



KEMENTERIAN EKONOMI
JABATAN PERANGKAAN MALAYSIA

2024
SUKU PERTAMA
FIRST QUARTER

STATISTIK
KAPASITI PENGGUNAAN
INDUSTRI PEMBUATAN
MANUFACTURING INDUSTRY
CAPACITY UTILISATION STATISTICS

JABATAN PERANGKAAN MALAYSIA
DEPARTMENT OF STATISTICS MALAYSIA



KEMENTERIAN EKONOMI
JABATAN PERANGKAAAN MALAYSIA

STATISTIK KAPASITI PENGGUNAAN

INDUSTRI PEMBUATAN

MANUFACTURING INDUSTRY

CAPACITY UTILISATION STATISTICS

SUKU PERTAMA **2024**
FIRST QUARTER

Dikeluarkan pada: **21 Mei 2024**
Released on *May*

Pemakluman

Jabatan Perangkaan Malaysia (DOSM) telah melancarkan OpenDOSM NextGen sebagai medium yang menyediakan katalog data dan visualisasi bagi memudahkan pengguna menganalisis pelbagai data dan boleh diakses melalui portal <https://open.dosm.gov.my>.

DOSM akan menjalankan Banci Pertanian pada tahun 2024. Sila layari <https://www.myagricensus.gov.my/> untuk maklumat lanjut. Tema adalah "Banci Pertanian, Kunci Kemajuan Pertanian."

Kerajaan Malaysia telah mengisytiharkan Hari Statistik Negara (MyStats Day) pada 20 Oktober setiap tahun. Tema sambutan MyStats Day adalah "Statistik Nadi Kehidupan". DOSM menyambut ulang tahun ke 75 Jubli Intan pada tahun 2024.

Announcement

The Department of Statistics Malaysia (DOSM) has launched OpenDOSM NextGen as a medium that provides a catalog of data and visualisations to facilitate users' analysis of various data and can be accessed through <https://open.dosm.gov.my>.

DOSM will conduct the Agricultural Census in 2024. Please visit <https://www.myagricensus.gov.my/> for more information. The theme is "Agriculture Census, Key to Agricultural Development."

The Government of Malaysia has declared National Statistics Day (MyStats Day) on October 20th each year. MyStats Day theme is "Statistics is the Essence of Life". DOSM commemorates its 75th Diamond Jubilee in 2024.

Diterbitkan dan dicetak oleh / Published and printed by:

Jabatan Perangkaan Malaysia

Department of Statistics Malaysia

Blok C6 & C7, Kompleks C,

Pusat Pentadbiran Kerajaan Persekutuan

62514 Putrajaya,

MALAYSIA

Tel. : 03-8885 7000

Faks : 03-8888 9248

Portal : <https://www.dosm.gov.my>

Facebook/ X/ Instagram/ Youtube : StatsMalaysia

Emel/ Email : info@dosm.gov.my (pertanyaan umum / *general enquiries*)
data@dosm.gov.my (pertanyaan & permintaan data / *data request & enquiries*)

Harga/ Price : RM15.00

Diterbitkan pada Mei 2024 / *Published in May 2024*

Hakcipta terpelihara / All rights reserved.

Tiada bahagian daripada terbitan ini boleh diterbitkan semula, disimpan untuk pengeluaran atau ditukar dalam apa-apa bentuk atau alat apa jua pun kecuali setelah mendapat kebenaran daripada Jabatan Perangkaan Malaysia. Pengguna yang mengeluarkan sebarang maklumat dari terbitan ini sama ada yang asal atau diolah semula hendaklah meletakkan kenyataan berikut:

“Sumber: Jabatan Perangkaan Malaysia”.

No part of this publication may be reproduced or distributed in any form or by any means or stored in database without the prior written permission from Department of Statistics, Malaysia. Users reproducing content of this publication with or without adaptation should quote the following.

“Source: Department of Statistics Malaysia”.

ISSN 1823 - 1632

KATA PENGANTAR

Penerbitan Statistik Kapasiti Penggunaan Industri Pembuatan diterbitkan oleh Jabatan Perangkaan Malaysia (DOSM). Penerbitan ini memaparkan statistik kapasiti penggunaan bagi sektor Pembuatan di Malaysia yang diterbitkan secara suku tahunan mulai Suku Pertama 2023. Statistik ini disusun mulai Januari 2015 sehingga Mac 2024 yang memberikan indikator tambahan kepada pengguna dalam menilai prestasi sektor Pembuatan di Malaysia.

Konsep yang digunakan dalam penerbitan ini adalah berpandukan kepada *International Recommendations for Industrial Statistics 2008, United Nations Statistics Division* manakala definisi Pembuatan adalah konsisten dengan Piawaian Klasifikasi Industri Malaysia (MSIC) 2008 Ver. 1.0. Statistik ini juga boleh digunakan sebagai sumber rujukan oleh kerajaan, ahli ekonomi, ahli akademik, pihak swasta serta individu bagi tujuan perancangan dan penggubalan dasar, analisis ekonomi, unjuran dan membantu dalam perancangan pembangunan perniagaan.

Penerbitan ini mengandungi tiga bahagian. Bahagian pertama memaparkan infografik dan ringkasan penemuan. Bahagian kedua memuatkan jadual terperinci manakala bahagian ketiga menerangkan aspek teknikal seperti skop & liputan dan konsep & definisi yang digunakan bagi memudahkan pengguna memahami statistik yang diterbitkan.

Jabatan Perangkaan Malaysia merakamkan setinggi-tinggi penghargaan atas kerjasama dan sumbangan yang diberikan oleh semua pihak dalam membekalkan data yang diperlukan dan menyumbang kepada kejayaan penerbitan ini. Setiap maklum balas dan cadangan untuk penambahbaikan penerbitan ini pada masa akan datang amatlah dihargai.

DATO' SRI DR. MOHD UZIR MAHIDIN

Ketua Perangkawan Malaysia

Mei 2024

PREFACE

The Manufacturing Industry Capacity Utilisation Statistics is a publication published by the Department of Statistics Malaysia (DOSM). The publication presents capacity utilisation statistics for the Manufacturing sector in Malaysia which published on quarterly basis since First Quarter 2023. The statistics was compiled from January 2015 until March 2024 which provide additional indicators for the users in assessing the performance of the Manufacturing sector in Malaysia.

The concept used in this compilation is guided by the International Recommendations for Industrial Statistics 2008, United Nations Statistics Division while the definition of Manufacturing is consistent with Malaysia Standard Industrial Classification (MSIC) 2008 Ver. 1.0. These statistics can be used by government agencies, economists, academicians, private sectors and individuals for planning and formulating policies, economic analysis, projections and assisting in business development planning.

This publication is divided into three main parts. The first part displays the infographic and summary of findings. The second part shows the detailed statistical tables meanwhile the third part explains technical aspects such as scope & coverage and concepts & definitions used to assist users to understand the published statistics.

Department of Statistics Malaysia (DOSM) gratefully acknowledges the co-operation and contribution of all parties who have provided the required data and contributed to the success of this publication. Every feedback and suggestion towards improving future publications is highly appreciated.

DATO' SRI DR. MOHD UZIR MAHIDIN
Chief Statistician Malaysia

May 2024



ISI KANDUNGAN

TABLE OF CONTENTS

Muka Surat Pages

Kata Pengantar

Preface

i - ii

Isi Kandungan

Table of Contents

iii - iv

Ringkasan Penemuan

Summary of Findings

1 - 12

Jadual Statistik

Statistical Tables

13 - 94

1 Kapasiti Penggunaan Industri Pembuatan mengikut Subsektor

Manufacturing Industry Capacity Utilisation by Sub-sector

1a Tahunan
Yearly

15

1b Suku Tahunan
Quarterly

16 - 18

1c Bulanan
Monthly

19 - 26

2 Kapasiti Penggunaan Industri Pembuatan mengikut Kumpulan

Manufacturing Industry Capacity Utilisation by Group

2a Tahunan
Yearly

27 - 29

2b Suku Tahunan
Quarterly

30 - 38

2c Bulanan
Monthly

39 - 62



ISI KANDUNGAN

TABLE OF CONTENTS

Muka Surat Pages

3	Kapasiti Penggunaan Industri Pembuatan mengikut Industri Berorientasikan Eksport dan Industri Berorientasikan Domestik <i>Manufacturing Industry Capacity Utilisation by Export-Oriented Industries and Domestic-Oriented Industries</i>	
3a	Tahunan <i>Yearly</i>	63
3b	Suku Tahunan <i>Quarterly</i>	64 - 66
3c	Bulanan <i>Monthly</i>	67 - 74
4	Kapasiti Penggunaan Industri Pembuatan mengikut Negeri <i>Manufacturing Industry Capacity Utilisation by State</i>	
4a	Tahunan <i>Yearly</i>	75
4b	Suku Tahunan <i>Quarterly</i>	76 - 78
4c	Bulanan <i>Monthly</i>	79 - 86
5	Faktor Kapasiti Industri Pembuatan di bawah Tahap Penggunaan - Peratus Sumbangan <i>Factors of Under-utilisation of Manufacturing Industry Capacity - Percentage Share</i>	87 - 89
6	Kapasiti Penggunaan Industri Pembuatan mengikut Negara Terpilih <i>Manufacturing Industry Capacity Utilisation by Selected Country</i>	90 - 92
7	Indeks Pengeluaran Perindustri Sektor Pembuatan Mengikut Kumpulan <i>Industrial Production Index of Manufacturing Sector by Group</i>	
7a	Tahunan <i>Yearly</i>	93
7b	Suku Tahunan <i>Quarterly</i>	94 - 96
7c	Bulanan <i>Monthly</i>	97 - 104
	Nota Teknikal <i>Technical Notes</i>	105 - 114

Ringkasan Penemuan

Summary of Findings

Infografik *Infographic*

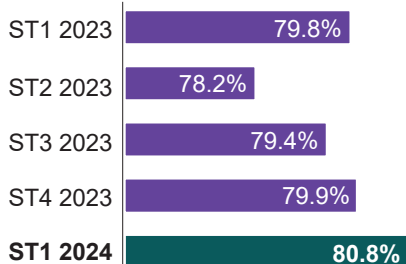
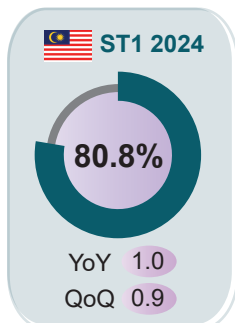
- 1.0 **Pengenalan**
Introduction
- 2.0 **Prestasi Kapasiti Penggunaan Industri Pembuatan di Malaysia, Suku Pertama 2024**
Performance of Manufacturing Industry Capacity Utilisation in Malaysia, First Quarter of 2024
- 3.0 **Kapasiti Penggunaan mengikut Subsektor Pembuatan, Suku Pertama 2024**
Capacity Utilisation by Manufacturing Sub-sector, First Quarter of 2024
- 4.0 **Kapasiti Penggunaan Industri Pembuatan mengikut Negeri, Suku Pertama 2024**
Manufacturing Industry Capacity Utilisation by State, First Quarter of 2024
- 5.0 **Kapasiti Penggunaan dalam Industri Berorientasikan Eksport dan Domestik, Suku Pertama 2024**
Capacity Utilisation in Export-Oriented and Domestic-Oriented Industries, First Quarter of 2024
- 6.0 **Prestasi Indeks Pengeluaran Perindustrian (IPP), Suku Pertama 2024**
Performance of Industrial Production Index (IPI), First Quarter of 2024

Muka surat ini sengaja dibiarkan kosong
This page is deliberately left blank

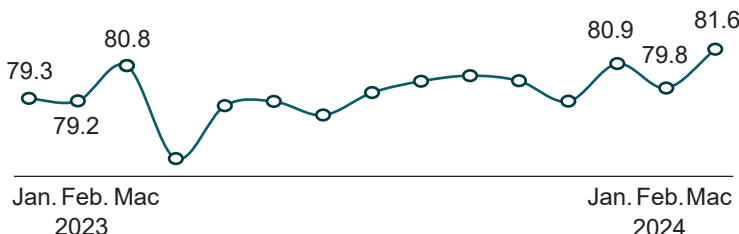
STATISTIK KAPASITI PENGGUNAAN INDUSTRI PEMBUATAN SUKU PERTAMA 2024

Kapasiti penggunaan industri Pembuatan mencapai 80.8 peratus pada suku pertama 2024

Suku Pertama 2024



Kapasiti Penggunaan Industri Pembuatan (%), Jan. 2023 - Mac 2024



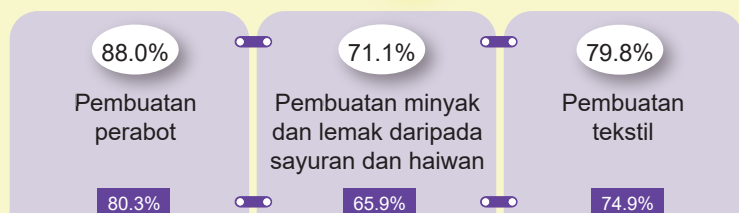
YoY: Perubahan mata peratus tahun ke tahun
QoQ: Perubahan mata peratus suku tahun ke suku tahun

Kapasiti Penggunaan Industri Pembuatan (%)

Tiga industri dengan kenaikan tahun ke tahun tertinggi dalam industri berorientasikan eksport dan domestik, ST1 2024

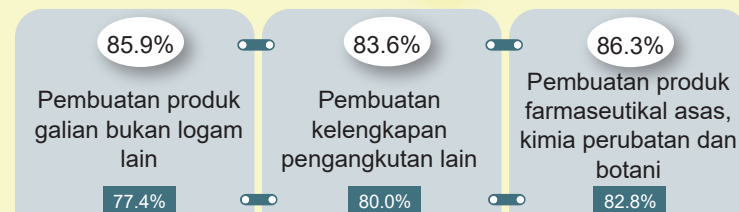
Industri Berorientasikan Eksport

79.4%



Industri Berorientasikan Domestik

83.7%

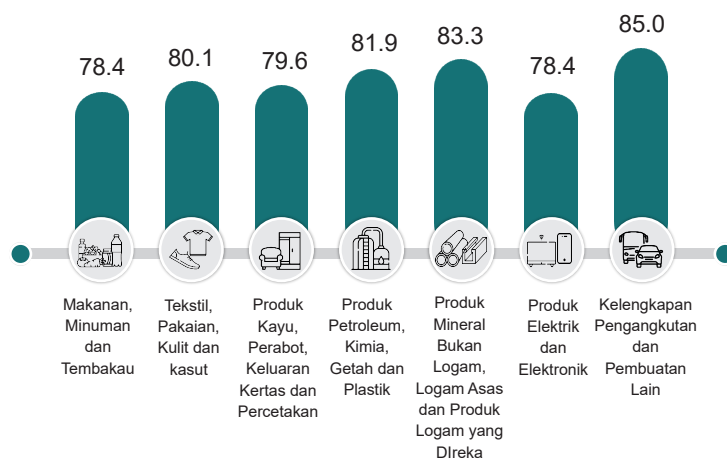


ST1 2024 ST1 2023

Kapasiti Penggunaan Industri Pembuatan mengikut Subsektor

ST1 2024

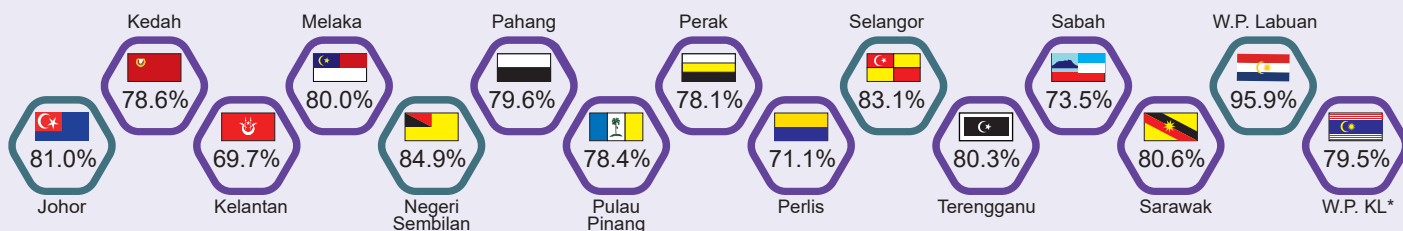
Subsektor Pembuatan kelengkapan pengangkutan & pembuatan lain merekodkan kadar kapasiti penggunaan tertinggi pada 85.0 peratus



Kapasiti Penggunaan Industri Pembuatan (%)

Kapasiti Penggunaan Industri Pembuatan mengikut Negeri

Empat negeri mempamerkan kadar kapasiti penggunaan melepasi paras kadar nasional pada suku pertama 2024, iaitu W.P. Labuan (95.9%), Negeri Sembilan (84.9%), Selangor (83.1%) dan Johor (81.0%)



> kadar kapasiti penggunaan nasional pada ST1 2024

Apakah yang dimaksudkan dengan Kapasiti Penggunaan Industri Pembuatan

Kapasiti penggunaan merujuk kepada nisbah output sebenar yang dihasilkan berbanding pengeluaran output pada kapasiti penuh melalui gabungan optimum mesin, bahan mentah dan buruh

$$\text{Kapasiti Penggunaan} = \frac{\text{Nilai Pengeluaran Sebenar}}{\text{Nilai Pengeluaran Penuh}} \times 100$$

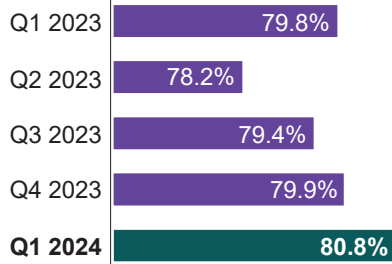
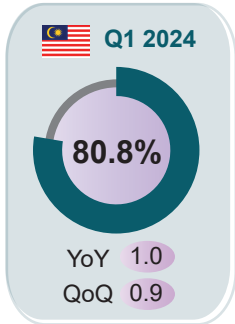
Nota: * termasuk W.P. Putrajaya | W.P. - Wilayah Persekutuan | KL - Kuala Lumpur | ST - Suku Tahun

Sumber: Statistik Kapasiti Penggunaan Industri Pembuatan Suku Pertama 2024, Jabatan Perangkaan Malaysia (DOSM)

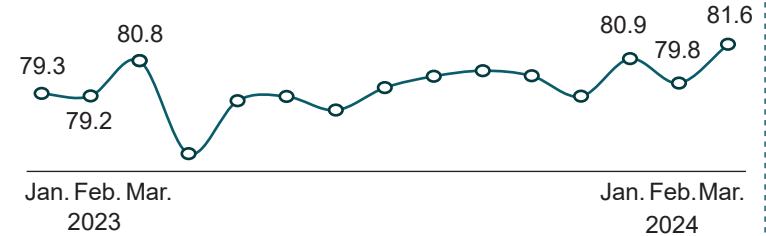
MANUFACTURING INDUSTRY CAPACITY UTILISATION STATISTICS FIRST QUARTER 2024

The capacity utilisation of the Manufacturing industry reached 80.8 per cent in the first quarter of 2024

First Quarter of 2024



Manufacturing Industry Capacity Utilisation (%), Jan. 2023 - Mar. 2024



YoY: Year-on-year percentage points change
QoQ: Quarter-on-quarter percentage points change

Manufacturing Industry Capacity Utilisation (%)

Top three industries with the highest year-on-year increments in exports-oriented and domestic-oriented industries, Q1 2024

Exports-oriented industries

79.4%

88.0%

Manufacture of furniture

80.3%

71.1%

Manufacture of vegetable and animal oils and fats

65.9%

79.8%

Manufacture of textiles

74.9%

Domestic-oriented industries

83.7%

85.9%

Manufacture of other non-metallic mineral products

77.4%

83.6%

Manufacture of other transport equipment

80.0%

86.3%

Manufacture of basic pharmaceutical, medicinal chemical and botanical products

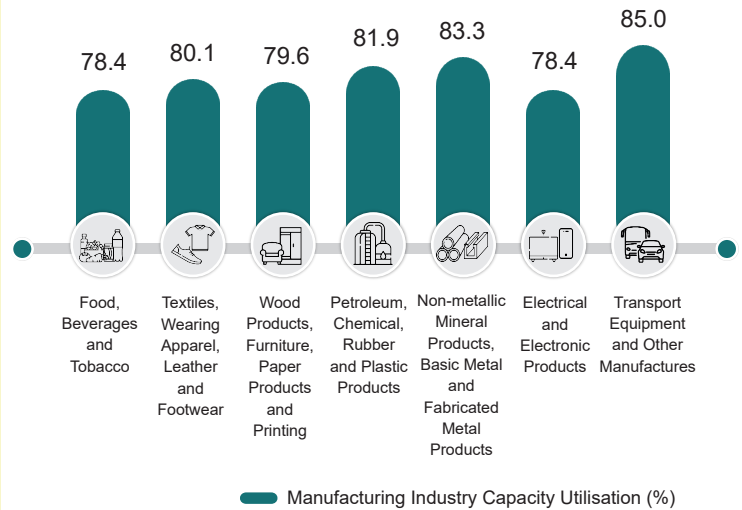
82.8%

Q1 2024 Q1 2023

Manufacturing Industry Capacity Utilisation by Sub-sector

Q1 2024

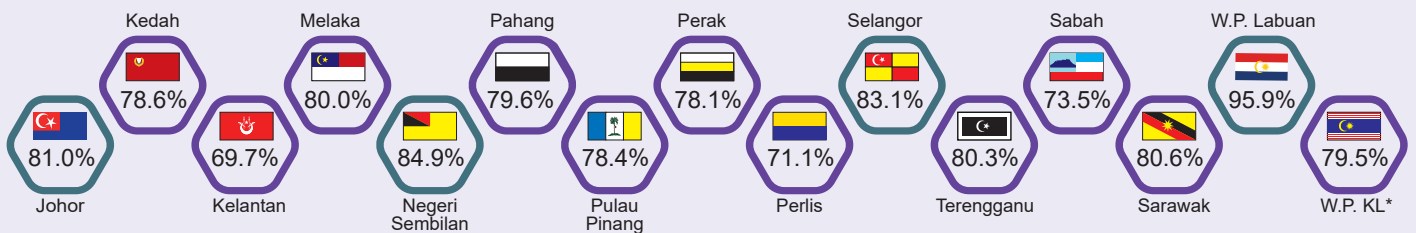
The **Manufacture of transport equipment & other manufactures** sub-sector recorded the highest capacity utilisation rate at **85.0 per cent**



Manufacturing Industry Capacity Utilisation (%)

Manufacturing Industry Capacity Utilisation by State

Four states demonstrated capacity utilisation rates surpassing the national rate in the first quarter of 2024, namely **W.P. Labuan (95.9%), Negeri Sembilan (84.9%), Selangor (83.1%)** and **Johor (81.0%)**



> national rate of capacity utilisation in Q1 2024

What is meant by Manufacturing Industry Capacity Utilisation?

Capacity utilisation refers to a ratio of actual output produced to the production of output at full capacity through an optimal combination of machinery, raw materials and labour

$$\text{Capacity Utilisation} = \frac{\text{Actual Level of Output}}{\text{Full Level of Output}} \times 100$$

Notes: * includes W.P. Putrajaya | W.P. - Wilayah Persekutuan | KL - Kuala Lumpur | Q - Quarter

Source: Manufacturing Industry Capacity Utilisation Statistics First Quarter 2024, Department of Statistics Malaysia (DOSM)

1.0 Pengenalan

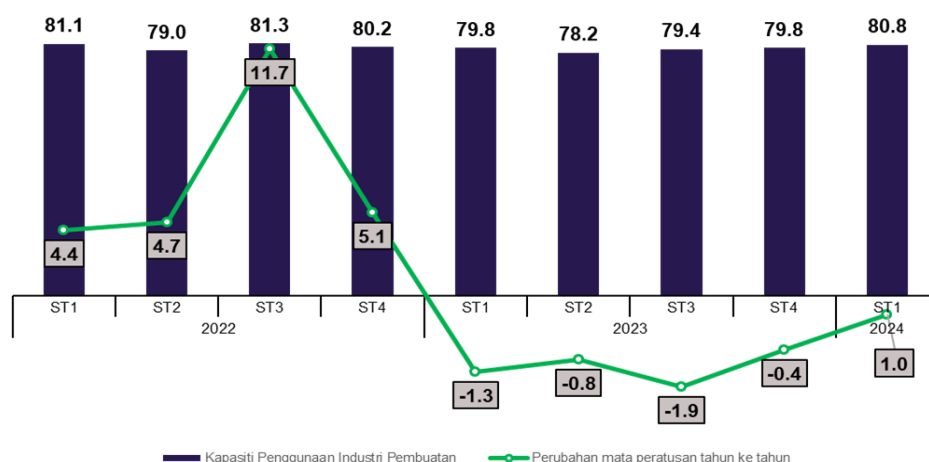
Penerbitan ini memaparkan statistik kapasiti penggunaan bagi industri Pembuatan yang diperoleh daripada Survei Pembuatan Bulanan yang dijalankan oleh Jabatan Perangkaan Malaysia. Statistik yang dilaporkan dalam penerbitan ini adalah dari tempoh suku pertama 2015 hingga suku pertama 2024 di peringkat nasional dan negeri. Sebagai tambahan, data tahunan dan bulanan juga dilaporkan dalam penerbitan ini.

Kapasiti penggunaan merujuk kepada nisbah output sebenar yang dihasilkan berbanding pengeluaran output pada kapasiti penuh melalui gabungan optimum mesin, bahan mentah dan buruh. Konsep yang digunakan dalam penerbitan ini adalah berpanduan kepada International Recommendations for Industrial Statistics 2008, United Nations Statistics Division manakala definisi Pembuatan adalah konsisten dengan Piawaian Klasifikasi Industri Malaysia (MSIC) 2008 Ver. 1.0.

2.0 Prestasi Kapasiti Penggunaan Industri Pembuatan di Malaysia, Suku Pertama 2024

Industri Pembuatan beroperasi dengan kapasiti 80.8 peratus pada suku pertama 2024, meningkat sebanyak 1.0 mata peratus berbanding kadar kapasiti 79.8 peratus yang direkodkan pada setahun lalu. Kadar kapasiti yang lebih tinggi ini juga mendorong peningkatan 2.1 peratus tahun ke tahun dalam Indeks Pengeluaran Perindustrian bagi industri Pembuatan pada suku berkenaan. Hampir semua subsektor merekodkan peningkatan kapasiti penggunaan, khususnya dalam subsektor Produk mineral bukan logam, logam asas & produk logam yang direka; dan Produk kayu, perabot, produk kertas & percetakan, yang meningkat masing-masing sebanyak 4.4 mata peratus kepada 83.3 peratus dan 79.6 peratus (**Paparan 1**).

Paparan 1 : Kapasiti Penggunaan Industri Pembuatan, ST1 2022 - ST1 2024



Peningkatan kadar kapasiti penggunaan pada suku pertama 2024 adalah disumbangkan oleh prestasi bagi Januari (80.9%) dan Mac (81.6%), dengan kedua-dua bulan melepasi 80 peratus. Sementara itu, kadar kapasiti penggunaan pada Februari 2024 berada pada 79.8 peratus. Tambahan lagi, faktor-faktor seperti permintaan yang rendah; bekalan bahan yang tidak mencukupi; dan pembaikan & penyelenggaraan jentera & peralatan kekal sebagai penyebab utama kepada kapasiti di bawah penggunaan dalam industri Pembuatan.

3.0 Kapasiti Penggunaan mengikut Subsektor Pembuatan, Suku Pertama 2024

Pada suku pertama 2024, empat subsektor beroperasi pada kadar kapasiti penggunaan melebihi 80.0 peratus. Terutamanya, subsektor Pembuatan kelengkapan kenderaan & pembuatan lain yang merekodkan kadar kapasiti penggunaan tertinggi pada 85.0 peratus, iaitu peningkatan 1.0 mata peratus tahun ke tahun. Ini diikuti oleh subsektor Produk mineral bukan logam, logam asas & produk logam yang direka, dengan kadar 83.3 peratus, menaik 4.4 mata peratus. Sebaliknya, kadar terendah iaitu 78.4 peratus telah direkodkan oleh subsektor iaitu Pembuatan makanan, minuman & tembakau; dan Pembuatan produk elektrik & elektronik.

Perbandingan suku tahun ke suku tahun, kapasiti penggunaan industri Pembuatan menaik sebanyak 0.9 mata peratus daripada kadar 79.9 peratus yang dicatatkan pada suku tahun sebelumnya (**Paparan 2**).

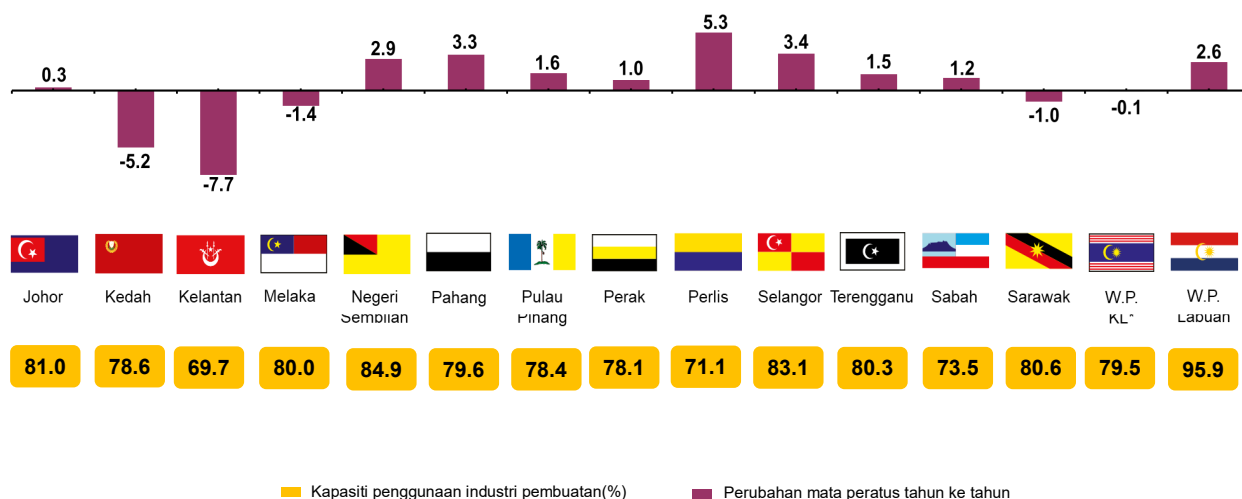
Paparan 2: Kapasiti Penggunaan Industri Pembuatan mengikut Subsektor, ST1 2024

		Kapasiti penggunaan industri Pembuatan (%)	Perubahan mata peratus tahun ke tahun	Perubahan mata peratus suku tahun ke suku tahun
	Makanan, minuman dan tembakau	78.4	0.9	-2.0
	Tekstil, pakaian, kulit dan kasut	80.1	1.2	-0.4
	Produk kayu, perabot, keluaran kertas dan percetakan	79.6	3.3	-0.4
	Petroleum, kimia, getah dan plastik	81.9	-4.2	3.9
	Produk mineral bukan logam, logam asas dan produk logam yang direka	83.3	4.5	0.1
	Produk elektrik dan elektronik	78.4	-0.2	-1.1
	Kelengkapan pengangkutan dan pembuatan lain	85.0	1.7	2.8

4.0 Kapasiti Penggunaan Industri Pembuatan mengikut Negeri

Empat negeri mempamerkan kadar kapasiti penggunaan melepasi paras kadar nasional pada suku pertama 2024, iaitu WP Labuan (95.9%), Negeri Sembilan (84.9%), Selangor (83.1%) dan Johor (81.0%). Hampir kesemua negeri mencatatkan peningkatan tahun ke tahun bagi kadar kapasiti penggunaan kecuali bagi lima negeri iaitu Kedah, Kelantan, Melaka, Sarawak dan WP Kuala Lumpur (termasuk WP Putrajaya). Sementara itu, Kelantan merekodkan kadar kapasiti penggunaan terendah pada 69.7 peratus, dipengaruhi terutamanya oleh industri Pembuatan produk makanan (**Paparan 3**).

Paparan 3: Kapasiti Penggunaan Industri Pembuatan mengikut Negeri, ST1 2024



*Termasuk W.P. Putrajaya

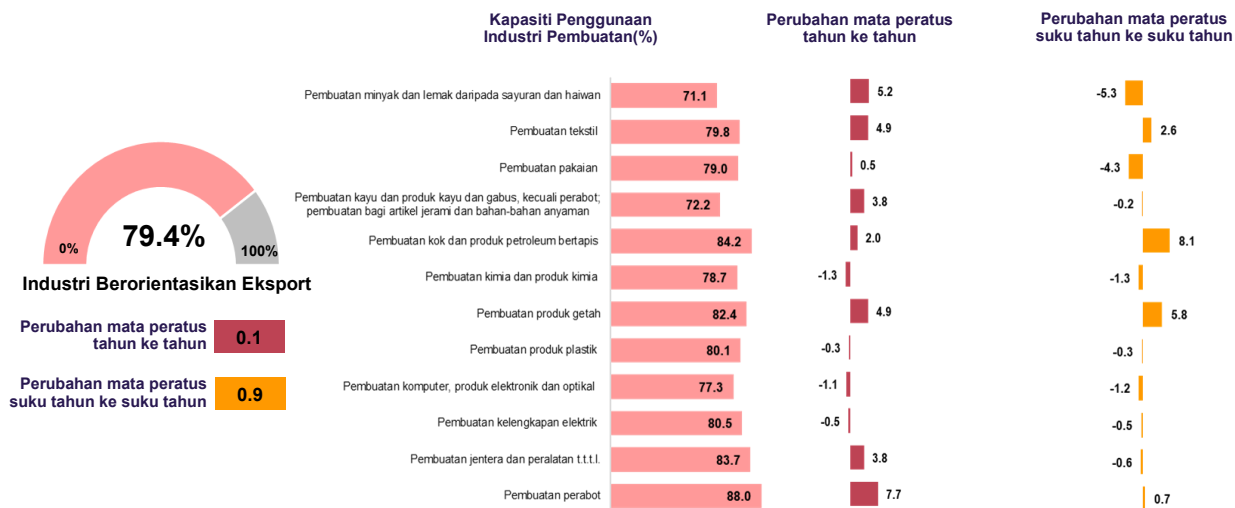
5.0 Kapasiti Penggunaan dalam Industri Berorientasikan Eksport dan Domestik

Kapasiti penggunaan bagi industri berorientasikan eksport menunjukkan kenaikan pada suku kali ini, meningkat dengan 0.1 mata peratus tahun ke tahun kepada 79.4 peratus (**Paparan 4**). Hampir kesemua industri dalam segmen ini mencatatkan peningkatan kadar penggunaan dengan Pembuatan perabot mengalami lonjakan yang ketara sebanyak 7.7 mata peratus, mencapai 88.0 peratus. Namun begitu, empat industri mencatatkan penurunan kapasiti penggunaan, sekaligus mengurangkan peningkatan dalam segmen ini, iaitu Pembuatan kimia & produk kimia (-1.3 mata peratus; 78.7%); Pembuatan komputer, produk elektronik & optikal (-1.2 mata peratus; 77.3%); Pembuatan kelengkapan elektrik (-0.5 mata peratus; 80.5%); dan Pembuatan produk plastik (-0.3 mata peratus; 80.1%).

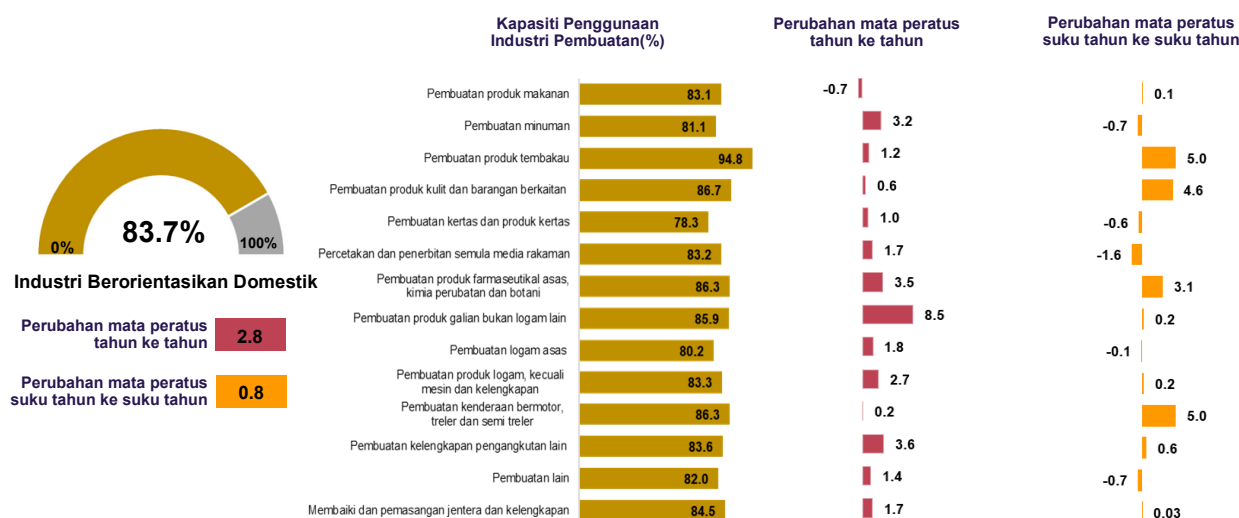
Selain itu, kadar kapasiti penggunaan bagi industri berorientasikan domestik terus kukuh sebanyak 2.8 mata peratus, mencapai 83.7 peratus (**Paparan 5**). Peningkatan tertinggi dicatatkan oleh Pembuatan produk galian bukan logam lain dengan 8.5 mata peratus, mencapai 85.9 peratus. Namun begitu, hanya Pembuatan produk prosesan makanan merekodkan penurunan untuk mencatatkan kadar 83.1 peratus.

Bagi perbandingan dengan suku tahun sebelum, kedua-dua industri berorientasikan eksport dan domestik masing-masing merekodkan kenaikan 0.9 mata peratus dan 0.8 mata peratus.

Paparan 4: Kapasiti Penggunaan Industri Pembuatan Berorientasikan Eksport



Paparan 5: Kapasiti Penggunaan Industri Pembuatan Berorientasikan Domestik



6.0 Prestasi Indeks Pengeluaran Perindustrian (IPP), Suku Pertama 2024

IPP terus meningkat 3.3 peratus tahun ke tahun berbanding 0.8 peratus yang direkodkan pada suku keempat 2023. Pengembangan ini disokong oleh kenaikan yang dicatatkan dalam sektor Perlombongan sebanyak 5.9 peratus (ST4 2023: 3.7%) dan sektor Elektrik 8.9 peratus (ST4 2023: 4.6%). Sementara itu, sektor Pembuatan kembali meningkat kepada 2.1 peratus daripada negatif 0.2 peratus yang dicatatkan pada suku tahun sebelumnya yang mana turut dicerminkan melalui peningkatan kapasiti penggunaan industri pembuatan pada suku pertama 2024 ini. Bagi perbandingan suku tahun ke suku tahun, IPP jatuh 1.0 peratus dipengaruhi oleh sektor Pembuatan pada negatif 1.8 peratus.

SUMMARY OF FINDINGS

1.0 Introduction

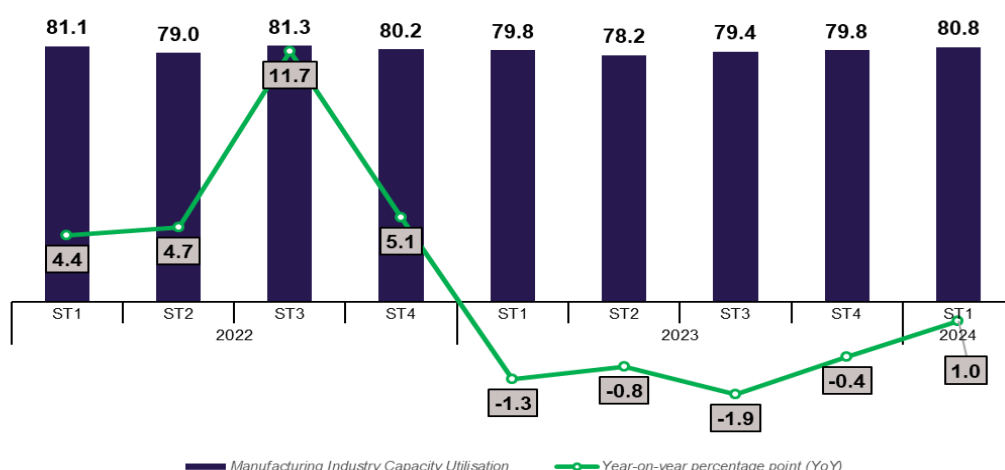
This publication presents statistics on capacity utilisation for Manufacturing industries acquired from the Monthly Manufacturing Survey conducted by the Department of Statistics, Malaysia. The statistics reported in this publication is for the period of the first quarter of 2015 until the first quarter of 2024 at the national and state level. In addition, annual and monthly data are also reported in this publication.

Capacity utilisation refers to a ratio of actual output produced to the production of output at full capacity through an optimal combination of machinery, raw materials and labour. The concept used in this compilation is guided by the International Recommendations for Industrial Statistics 2008, United Nations Statistics Division while the definition of Manufacturing is consistent with Malaysia Standard Industrial Classification (MSIC) 2008 Ver. 1.0.

2.0 Performance of Manufacturing Industry Capacity Utilisation in Malaysia, First Quarter of 2024

The Manufacturing industry operated at 80.8 per cent of capacity in the first quarter of 2024, an improvement of 1.0 percentage points from the 79.8 per cent capacity rate recorded a year ago. Almost all sub-sectors posted an increase in capacity utilisation, particularly in the Non-metallic mineral products, basic metal & fabricated metal products; and Wood products, furniture, paper products & printing sub-sectors, which increased by 4.4 percentage points to 83.3 per cent and 79.6 per cent, respectively (Figure 1).

Figure 1 : Manufacturing Industry Capacity Utilisation, Q1 2022 - Q1 2024



The increased capacity utilisation rate in the first quarter of 2024 was attributable to the performance in January (80.9%) and March (81.6%), with both exceeding 80 per cent. Meanwhile, the capacity utilisation rate for February 2024 stood at 79.8 per cent. In addition, factors such as low demand; insufficient supply of materials; and the repair & maintenance of machinery & equipment remained the cause of under-utilisation of capacity in the Manufacturing industry.

SUMMARY OF FINDINGS

3.0 Capacity Utilisation by Manufacturing Sub-sector, First Quarter of 2024

In the first quarter of 2024, four sub-sectors operated at a capacity utilisation rate above 80.0 per cent. Notably, the sub-sector of Manufacture of transport equipment & other manufactures recorded the highest rate at 85.0 per cent, an increase of 1.0 percentage points year-on-year. This was followed by the Non-metallic mineral products, basic metals & fabricated metal products sub-sector, with a rate of 83.3 per cent, up by 4.4 percentage points. Conversely, the lowest rate of 78.4 per cent was recorded by the Manufacture of food, beverages & tobacco products; and the Manufacture of electrical & electronic products sub-sectors.

On a quarter-on-quarter comparison, the capacity utilisation of the Manufacturing industry expanded by 0.9 percentage points from the rate of 79.9 per cent registered in the previous quarter (**Figure 2**).

Figure 2: Manufacturing Industry Capacity Utilisation by Sub-sector, Q1 2024

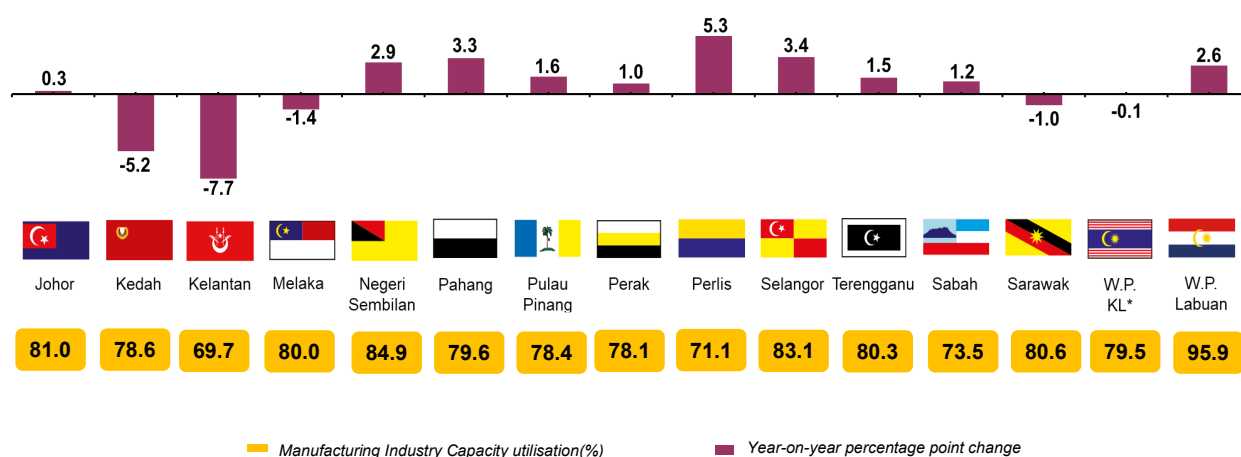
		Manufacturing industry capacity utilisation (%)	Year-on-year percentage point change	Quarter-on-quarter percentage point change
	Food, beverages and tobacco	78.4	0.9	-2.0
	Textiles, wearing apparel, leather and footwear	80.1	1.2	-0.4
	Wood products, furniture, paper products and printing	79.6	3.3	-0.4
	Petroleum, chemical, rubber and plastic	81.9	-4.2	3.9
	Non-metallic mineral products, basic metal and fabricated metal products	83.3	4.5	0.1
	Electrical and electronic products	78.4	-0.2	-1.1
	Transport equipment and other manufactures	85.0	1.7	2.8

4.0 Manufacturing Industry Capacity Utilisation by State

Four states demonstrated capacity utilisation rates surpassing the national rate in the first quarter of 2024, namely WP Labuan (95.9%), Negeri Sembilan (84.9%), Selangor (83.1%) and Johor (81.0%). Nearly all states registered a year-on-year increase in capacity utilisation rate, except for five states namely Kedah, Kelantan, Melaka, Sarawak and WP Kuala Lumpur (including WP Putrajaya). Furthermore, Kelantan recorded the lowest capacity utilisation rate at 69.7 per cent, mainly influenced by the Manufacture of food products industry (**Figure 3**).

SUMMARY OF FINDINGS

Figure 3: Manufacturing Industry Capacity Utilisation by State, Q1 2024



5.0 Capacity Utilisation in Export-Oriented and Domestic-Oriented Industries

The capacity utilisation in the export-oriented industries turned upward during this quarter, rising by 0.1 percentage points year-on-year to 79.4 per cent (**Figure 4**). Most of the industries in this segment registered higher utilisation rates, with the Manufacture of furniture experiencing a substantial increase of 7.7 percentage points, reaching 88.0 per cent. Nonetheless, four industries recorded a decrease in capacity utilisation, thus weighing down the increases in this segment, namely Manufacture of chemicals & chemical products (-1.3 percentage points; 78.7%); Manufacture of computer, electronics & optical products (-1.2 percentage points; 77.3%); Manufacture of electrical equipment (-0.5 percentage points; 80.5%); and Manufacture of plastics products (-0.3 percentage points; 80.1%).

In addition, the domestic-oriented industries registered a capacity utilisation rate expanding by 2.8 percentage points, reaching 83.7 per cent (**Figure 5**). The highest increment was registered by the Manufacture of other non-metallic mineral products with 8.5 percentage points, achieving 85.9 per cent. Nevertheless, only the Manufacture of food processing products recorded a decline to register a rate of 83.1 per cent.

In comparison with the previous quarter, both export-oriented and domestic-oriented industries registered an increment of 0.9 percentage points and 0.8 percentage points, respectively.

SUMMARY OF FINDINGS

Figure 4: Manufacturing Industry Capacity Utilisation by Export-Oriented Industry, Q1 2024

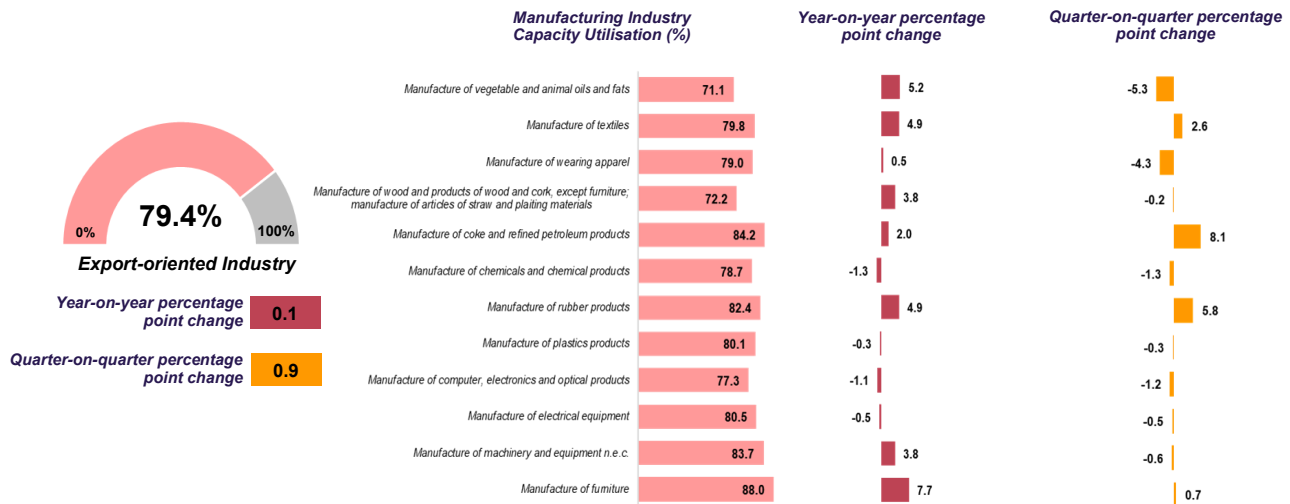
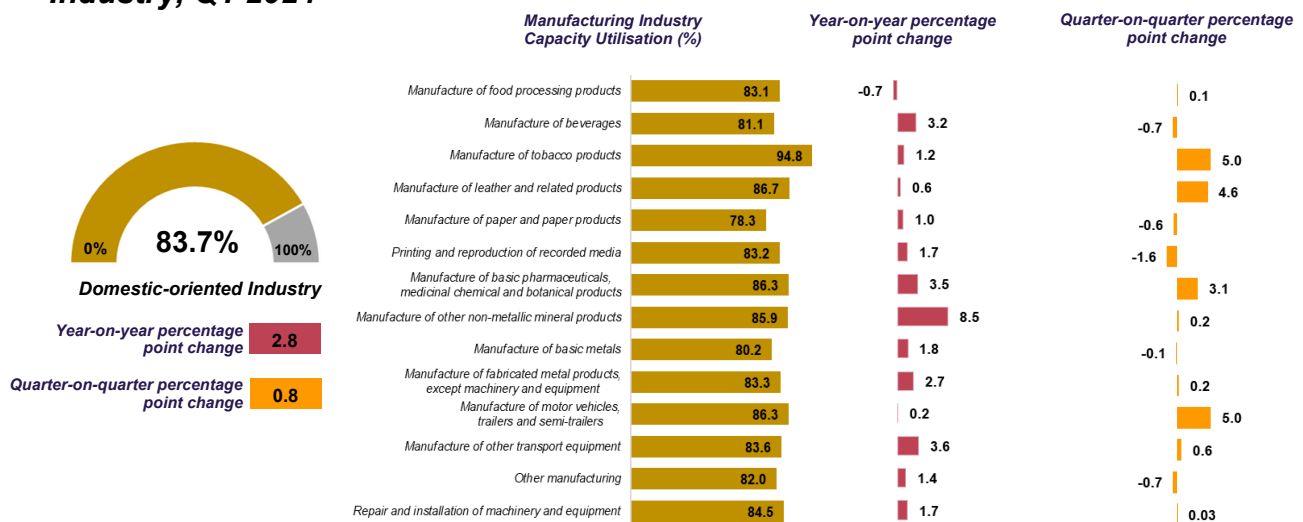


Figure 5: Manufacturing Industry Capacity Utilisation by Domestic-Oriented Industry, Q1 2024



6.0 Performance of Industrial Production Index (IPI), First Quarter of 2024

The IPI advanced further by 3.3 per cent year-on-year as compared to 0.8 per cent recorded in the fourth quarter of 2023. The expansion was supported by the acceleration registered in the Mining sector by 5.9 per cent (Q4 2023: 3.7%) and the Electricity sector by 8.9 per cent (Q4 2023: 4.6%). Meanwhile, the Manufacturing sector turned upward to 2.1 per cent from the negative 0.2 per cent posted in the previous quarter which is reflected in the increase in Manufacturing industry capacity utilisation in the first quarter of 2024. In a quarter-on-quarter comparison, the IPI dropped by 1.0 per cent influenced by the Manufacturing sector at negative 1.8 per cent.

Jadual Statistik

Statistical Table

1. **Kapasiti Penggunaan Industri Pembuatan Mengikut Subsektor**
Manufacturing Industry Capacity Utilisation by Sub-sector

2. **Kapasiti Penggunaan Industri Pembuatan Mengikut Kumpulan**
Manufacturing Industry Capacity Utilisation by Group

3. **Kapasiti Penggunaan Industri Pembuatan Mengikut Industri Berorientasikan Eksport dan Berorientasikan Domestik**
Manufacturing Industry Capacity Utilisation by Export-Oriented Industries and Domestic-Oriented Industries

4. **Kapasiti Penggunaan Industri Pembuatan Mengikut Negeri**
Manufacturing Industry Capacity Utilisation by State

5. **Faktor Kapasiti Industri Pembuatan di Bawah Tahap Penggunaan**
Factors of Undertilisation of Manufacturing Industry Capacity

6. **Kapasiti Penggunaan Mengikut Negara Terpilih**
Capacity Utilisation by Selected Country

7. **Indeks Pengeluaran Perindustri Sektor Pembuatan Mengikut Kumpulan**
Manufacturing Industry Capacity Utilisation by Group Sampling Design

Muka surat ini sengaja dibiarkan kosong
This page is deliberately left blank

1a Kapasiti Penggunaan Industri Pembuatan mengikut Subsektor - Tahunan

Manufacturing Industry Capacity Utilisation by Sub-sector – Yearly

Keterangan Subsektor Sub-sector Description		2017	2018	2019	2020	2021	2022	2023
1. Makanan, minuman dan tembakau Food, beverages and tobacco		70.5	71.1	73.3	66.7	67.3	81.2	78.9
10	Pembuatan produk makanan Manufacture of food products	76.3	76.5	73.7	73.9	75.1	76.4	78.1
11	Pembuatan minuman Manufacture of beverages	67.3	71.9	71.4	65.3	67.3	81.5	80.1
12	Pembuatan produk tembakau Manufacture of tobacco products	73.0	65.3	76.9	59.7	61.4	84.2	89.3
2. Tekstil, pakaian, kulit dan kasut Textiles, wearing apparel, leather and footwear		77.8	78.1	77.8	68.4	74.5	81.0	79.6
13	Pembuatan tekstil Manufacture of textiles	71.3	69.1	69.1	65.7	73.7	85.5	76.6
14	Pembuatan pakaian Manufacture of wearing apparel	84.2	87.4	87.0	70.9	76.2	74.1	81.4
15	Pembuatan produk kulit dan barangan berkaitan Manufacture of leather and related products	81.0	81.8	79.2	70.6	71.2	89.9	83.1
3. Produk kayu, perabot, keluaran kertas dan percetakan Wood products, furniture, paper products and printing		77.5	78.0	77.0	69.9	70.9	78.1	77.1
16	Pembuatan kayu dan produk kayu dan gabus, kecuali perabot; pembuatan bagi artikel jerami dan bahan-bahan anyaman Manufacture of wood and products of wood and cork, except furniture; manufacture of articles of straw and plaiting materials	75.1	75.4	73.9	67.6	68.9	72.6	70.5
17	Pembuatan kertas dan produk kertas Manufacture of paper and paper products	78.2	81.0	79.1	73.9	74.2	79.3	77.6
18	Percetakan dan penerbitan semula media rakaman Printing and reproduction of recorded media	77.0	76.4	77.1	69.8	70.9	82.0	83.2
31	Pembuatan perabot Manufacture of furniture	81.4	80.0	79.9	68.8	70.2	83.8	81.2
4. Petroleum, kimia, getah dan plastik Petroleum, chemical, rubber and plastic		82.8	82.4	80.1	70.5	75.0	80.8	78.4
19	Pembuatan kok dan produk petroleum bertapis Manufacture of coke and refined petroleum products	86.9	84.4	80.3	63.0	70.8	81.6	76.5
20	Pembuatan kimia dan produk kimia Manufacture of chemicals and chemical products	78.6	82.3	81.1	76.3	80.2	80.1	80.9
21	Pembuatan produk farmaseutikal asas, kimia perubatan dan botani Manufacture of basic pharmaceuticals, medicinal chemical and botanical products	72.4	74.6	73.3	73.7	72.4	80.0	82.6
22	Pembuatan produk getah dan plastik Manufacture of rubber and plastics products	80.1	78.9	78.5	78.3	76.7	79.9	78.6
5. Produk mineral bukan logam, logam asas dan produk logam yang direka Non-metallic mineral products, basic metal and fabricated metal products		74.6	75.8	74.6	68.0	69.4	79.2	80.8
23	Pembuatan produk galian bukan logam lain Manufacture of other non-metallic mineral products	72.4	72.7	72.1	64.1	67.9	80.1	81.7
24	Pembuatan logam asas Manufacture of basic metals	77.8	77.1	75.7	68.0	68.7	77.2	78.8
25	Pembuatan produk logam, kecuali mesin dan kelengkapan Manufacture of fabricated metal products, except machinery and equipment	73.8	77.1	75.8	70.8	71.1	80.1	81.3
6. Produk elektrik dan elektronik Electrical and electronic products		80.3	78.9	77.3	70.8	76.7	80.5	79.4
26	Pembuatan komputer, produk elektronik dan optikal Manufacture of computer, electronics and optical products	80.7	78.9	77.1	70.5	76.9	80.1	78.7
27	Pembuatan kelengkapan elektrik Manufacture of electrical equipment	80.9	80.6	80.3	71.8	77.1	82.8	80.4
28	Pembuatan jentera dan peralatan t.t.t.l. Manufacture of machinery and equipment n.e.c.	76.0	76.4	75.5	71.9	74.3	81.7	83.3
7. Kelengkapan pengangkutan dan pembuatan lain Transport equipment and other manufactures		73.2	76.7	78.1	67.3	70.1	81.6	82.1
29	Pembuatan kenderaan bermotor, treler dan semi treler Manufacture of motor vehicles, trailers and semi-trailers	70.6	77.9	78.9	64.9	69.0	83.0	82.8
30	Pembuatan kelengkapan pengangkutan lain Manufacture of other transport equipment	77.7	74.8	78.5	69.6	72.0	81.3	80.4
32	Pembuatan lain Other manufacturing	76.6	73.9	76.3	72.6	71.9	76.9	81.0
33	Pembaikan dan pemasangan jentera dan kelengkapan Repair and installation of machinery and equipment	77.9	75.8	74.3	72.7	72.2	78.6	82.2
Malaysia		79.2	79.1	77.8	69.8	73.9	80.4	79.3

1b Kapasiti Penggunaan Industri Pembuatan mengikut Subsektor - Suku Tahunan

Manufacturing Industry Capacity Utilisation by Sub-sector – Quarterly

Keterangan Subsektor Sub-sector Description		2017				2018			
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
1. Makanan, minuman dan tembakau Food, beverages and tobacco		70.3	73.3	74.5	63.8	65.8	71.7	74.1	72.6
10 Pembuatan produk makanan Manufacture of food products		73.8	78.0	76.7	76.9	76.0	75.5	75.5	79.0
11 Pembuatan minuman Manufacture of beverages		64.6	69.2	72.6	62.7	63.9	73.0	77.0	73.5
12 Pembuatan produk tembakau Manufacture of tobacco products		80.0	78.5	77.2	56.2	62.4	66.3	66.6	66.0
2. Tekstil, pakaian, kulit dan kasut Textiles, wearing apparel, leather and footwear		78.8	73.8	79.0	79.4	75.6	81.4	77.8	77.5
13 Pembuatan tekstil Manufacture of textiles		73.9	65.7	73.3	72.4	64.3	75.6	68.3	68.3
14 Pembuatan pakaian Manufacture of wearing apparel		83.0	81.2	85.3	87.4	87.4	87.5	87.4	87.5
15 Pembuatan produk kulit dan barangan berkaitan Manufacture of leather and related products		83.7	81.3	79.7	79.3	80.6	83.9	83.5	79.4
3. Produk kayu, perabot, keluaran kertas dan percetakan Wood products, furniture, paper products and printing		77.1	77.1	77.6	78.1	77.4	78.2	78.6	77.7
16 Pembuatan kayu dan produk kayu dan gabus, kecuali perabot; pembuatan bagi artikel jerami dan bahan-bahan anyaman Manufacture of wood and products of wood and cork, except furniture; manufacture of articles of straw and plaiting materials		75.1	73.9	74.5	76.7	74.4	74.7	76.1	76.2
17 Pembuatan kertas dan produk kertas Manufacture of paper and paper products		77.7	78.1	78.1	78.8	81.2	80.7	81.2	80.7
18 Percetakan dan penerbitan semula media rakaman Printing and reproduction of recorded media		74.6	79.0	79.1	75.4	74.9	79.2	78.7	72.8
31 Pembuatan perabot Manufacture of furniture		82.1	80.3	81.3	82.2	79.9	80.2	79.7	80.2
4. Petroleum, kimia, getah dan plastik Petroleum, chemical, rubber and plastic		83.2	80.3	83.6	83.9	83.8	82.7	81.3	81.9
19 Pembuatan kok dan produk petroleum bertapis Manufacture of coke and refined petroleum products		88.6	82.8	87.8	88.4	85.8	85.9	81.8	83.9
20 Pembuatan kimia dan produk kimia Manufacture of chemicals and chemical products		78.2	77.4	79.4	79.5	84.0	81.0	82.2	82.0
21 Pembuatan produk farmaseutikal asas, kimia perubatan dan botani Manufacture of basic pharmaceuticals, medicinal chemical and botanical products		69.3	71.2	72.5	76.5	74.8	72.9	76.0	74.6
22 Pembuatan produk getah dan plastik Manufacture of rubber and plastics products		79.5	79.3	80.9	80.7	79.6	78.5	79.3	78.3
5. Produk mineral bukan logam, logam asas dan produk logam yang direka Non-metallic mineral products, basic metal and fabricated metal products		74.9	73.3	74.4	75.7	75.9	75.4	76.3	75.6
23 Pembuatan produk galian bukan logam lain Manufacture of other non-metallic mineral products		73.5	71.6	71.3	73.1	72.7	72.4	73.8	72.1
24 Pembuatan logam asas Manufacture of basic metals		78.3	75.0	79.0	79.0	77.4	76.6	77.6	76.8
25 Pembuatan produk logam, kecuali mesin dan kelengkapan Manufacture of fabricated metal products, except machinery and equipment		73.3	73.3	73.3	75.3	77.1	76.7	77.2	77.3
6. Produk elektrik dan elektronik Electrical and electronic products		79.4	78.9	82.0	81.0	79.5	79.1	80.1	76.8
26 Pembuatan komputer, produk elektronik dan optikal Manufacture of computer, electronics and optical products		79.5	79.0	82.8	81.5	79.2	79.0	80.6	76.6
27 Pembuatan kelengkapan elektrik Manufacture of electrical equipment		79.7	80.4	82.5	81.2	81.3	82.0	79.5	79.8
28 Pembuatan jentera dan peralatan t.t.l. Manufacture of machinery and equipment n.e.c.		77.9	76.2	74.4	75.5	79.2	76.4	75.6	74.4
7. Kelengkapan pengangkutan dan pembuatan lain Transport equipment and other manufactures		73.3	72.7	72.3	74.5	77.1	78.0	74.4	77.3
29 Pembuatan kenderaan bermotor, treler dan semi treler Manufacture of motor vehicles, trailers and semi-trailers		70.1	70.8	69.0	72.4	77.9	80.6	74.7	78.3
30 Pembuatan kelengkapan pengangkutan lain Manufacture of other transport equipment		79.8	74.1	77.8	79.1	75.2	73.0	73.1	77.9
32 Pembuatan lain Other manufacturing		77.6	76.2	77.5	75.0	74.3	73.7	73.0	74.6
33 Pembaikan dan pemasangan jentera dan kelengkapan Repair and installation of machinery and equipment		76.2	78.3	78.1	79.0	78.9	75.4	76.6	72.3
Malaysia		79.1	77.7	80.1	80.0	79.7	79.4	79.1	78.3

2019				2020				2021			
Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
71.5	72.9	73.5	75.1	69.3	60.9	69.6	66.8	71.9	63.2	58.5	75.5
74.4	74.9	73.8	71.5	73.1	75.2	74.9	72.3	75.1	76.2	77.1	71.8
67.6	70.1	71.6	76.4	68.0	54.5	67.5	71.2	66.9	62.7	64.1	75.5
78.1	77.4	77.2	74.8	66.8	47.9	70.4	53.6	80.3	55.1	32.1	77.9
76.8	77.5	78.1	78.7	73.6	57.7	70.4	72.0	77.9	75.6	69.2	75.4
69.3	68.6	69.1	69.4	71.7	54.1	68.3	68.7	78.4	75.7	68.2	72.4
85.3	87.0	87.6	88.3	75.8	60.8	72.1	74.8	78.5	76.4	70.8	79.2
75.9	79.2	79.8	82.1	72.4	61.5	72.8	75.7	73.2	71.4	66.9	73.4
76.9	77.1	76.8	77.1	72.0	62.0	72.6	73.1	73.2	70.3	66.8	73.4
74.8	74.4	73.3	73.0	67.3	62.4	70.3	70.1	69.0	68.3	66.6	71.7
78.2	79.1	78.7	80.2	74.4	68.4	75.7	77.1	77.6	75.3	70.4	73.3
75.5	78.6	78.2	75.9	73.8	62.9	72.6	70.1	74.4	69.4	65.1	74.5
80.1	78.3	79.6	81.6	75.9	51.2	72.8	75.5	74.0	67.6	63.7	75.7
76.7	80.2	81.4	82.0	71.5	62.7	73.3	74.5	79.6	77.6	70.4	72.4
74.4	79.8	83.5	83.7	65.7	50.9	67.0	68.3	78.7	77.3	64.2	63.2
79.8	82.2	80.6	81.8	76.1	71.6	77.9	79.5	81.8	78.8	78.2	81.9
72.9	75.0	74.5	70.6	73.0	70.5	76.0	75.1	72.9	71.2	74.4	71.2
77.6	78.6	78.5	79.4	77.6	75.0	79.9	80.8	78.8	77.0	72.3	78.8
74.0	74.5	75.1	75.0	68.9	59.0	71.8	72.4	73.3	67.2	64.9	72.3
71.8	71.6	72.0	72.9	64.4	53.3	69.1	69.7	71.4	65.8	63.6	70.9
73.3	75.6	77.5	76.5	69.0	60.3	70.5	72.2	72.2	65.4	64.6	72.8
76.2	75.8	75.5	75.5	72.2	61.9	74.7	74.5	75.5	69.7	66.2	72.9
75.9	77.0	78.7	77.8	71.8	62.0	73.9	75.3	76.3	77.1	74.5	79.1
75.3	76.8	79.0	77.5	71.7	61.4	73.7	75.1	76.1	77.7	75.1	78.7
80.9	79.6	79.8	80.7	73.2	63.4	76.0	74.5	76.6	76.7	73.5	81.7
74.6	75.6	75.0	76.6	70.7	65.1	73.0	78.9	77.5	71.4	69.6	78.7
78.8	77.5	77.9	78.4	71.0	52.7	71.9	73.5	76.4	67.8	60.2	76.0
80.1	77.6	78.5	79.4	68.8	46.5	71.4	72.9	77.8	64.9	55.2	77.9
79.8	79.6	78.5	76.0	76.0	60.2	68.8	73.4	72.8	73.1	69.4	72.4
75.1	77.4	76.0	76.6	72.0	65.9	77.0	75.6	75.0	71.8	68.1	72.8
71.5	72.4	74.6	78.7	73.7	66.0	75.6	75.3	76.0	71.5	66.4	74.8
76.1	77.7	78.8	78.7	71.2	60.8	73.0	74.1	76.7	74.3	69.6	75.1

1b Kapasiti Penggunaan Industri Pembuatan mengikut Subsektor - Suku Tahunan

Manufacturing Industry Capacity Utilisation by Sub-sector – Quarterly

Keterangan Subsektor Sub-sector Description	2022				2023				2024
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1
1. Makanan, minuman dan tembakau Food, beverages and tobacco	85.3	82.2	77.9	79.5	78.6	76.5	80.1	80.4	78.4
10 Pembuatan produk makanan Manufacture of food products	74.2	74.4	78.9	78.0	77.6	75.3	79.8	79.6	77.0
11 Pembuatan minuman Manufacture of beverages	83.2	80.5	81.8	80.7	77.9	80.3	80.2	81.8	81.1
12 Pembuatan produk tembakau Manufacture of tobacco products	98.2	91.7	68.8	77.8	93.6	89.5	84.4	89.8	94.8
2. Tekstil, pakaian, kulit dan kasut Textiles, wearing apparel, leather and footwear	80.9	81.4	82.4	79.3	78.0	80.0	79.7	80.5	80.1
13 Pembuatan tekstil Manufacture of textiles	86.6	83.0	87.7	84.6	74.9	77.4	76.8	77.2	79.8
14 Pembuatan pakaian Manufacture of wearing apparel	73.3	78.4	74.2	70.6	78.5	81.7	82.2	83.3	79.0
15 Pembuatan produk kulit dan barangan berkaitan Manufacture of leather and related products	87.7	86.9	92.4	92.8	86.1	84.0	80.1	82.1	86.7
3. Produk kayu, perabot, keluaran kertas dan percetakan Wood products, furniture, paper products and printing	78.3	78.6	78.9	76.7	75.2	76.3	77.1	80.0	79.6
16 Pembuatan kayu dan produk kayu dan gabus, kecuali perabot; pembuatan bagi artikel jerami dan bahan-bahan anyaman Manufacture of wood and products of wood and cork, except furniture; manufacture of articles of straw and plaiting materials	72.6	73.5	73.5	70.8	68.4	69.3	71.8	72.4	72.2
17 Pembuatan kertas dan produk kertas Manufacture of paper and paper products	82.7	79.3	78.4	76.6	77.3	76.6	77.7	78.9	78.3
18 Percetakan dan penerbitan semula media rakaman Printing and reproduction of recorded media	78.0	82.8	84.5	82.8	81.5	83.3	83.4	84.8	83.2
31 Pembuatan perabot Manufacture of furniture	83.1	83.9	85.1	83.0	80.3	79.3	78.1	87.3	88.0
4. Petroleum, kimia, getah dan plastik Petroleum, chemical, rubber and plastic	82.6	77.7	80.7	82.1	80.8	77.1	77.8	77.9	81.9
19 Pembuatan kok dan produk petroleum bertapis Manufacture of coke and refined petroleum products	84.4	74.7	81.6	85.7	82.2	73.4	74.2	76.1	84.2
20 Pembuatan kimia dan produk kimia Manufacture of chemicals and chemical products	81.0	80.1	79.9	79.5	80.0	81.3	82.2	80.0	78.7
21 Pembuatan produk farmaseutikal asas, kimia perubatan dan botani Manufacture of basic pharmaceuticals, medicinal chemical and botanical products	76.7	79.8	86.4	77.0	82.8	81.0	83.3	83.2	86.3
22 Pembuatan produk getah dan plastik Manufacture of rubber and plastics products	81.1	80.5	79.4	78.5	78.9	78.3	78.7	78.5	81.2
5. Produk mineral bukan logam, logam asas dan produk logam yang direka Non-metallic mineral products, basic metal and fabricated metal products	79.4	78.8	79.9	78.7	78.9	79.4	81.6	83.2	83.3
23 Pembuatan produk galian bukan logam lain Manufacture of other non-metallic mineral products	78.9	80.6	81.8	79.1	77.4	80.4	83.4	85.7	85.9
24 Pembuatan logam asas Manufacture of basic metals	78.2	76.4	78.6	75.7	78.4	77.6	79.1	80.3	80.2
25 Pembuatan produk logam, kecuali mesin dan kelengkapan Manufacture of fabricated metal products, except machinery and equipment	80.7	79.3	79.5	80.9	80.6	79.7	81.7	83.1	83.3
6. Produk elektrik dan elektronik Electrical and electronic products	80.7	79.6	82.2	79.7	78.9	79.4	79.9	79.5	78.4
26 Pembuatan komputer, produk elektronik dan optikal Manufacture of computer, electronics and optical products	80.4	79.1	81.7	79.2	78.4	78.9	79.0	78.5	77.3
27 Pembuatan kelengkapan elektrik Manufacture of electrical equipment	82.2	80.8	85.2	82.9	81.0	77.9	81.5	81.0	80.5
28 Pembuatan jentera dan peralatan t.t.t.l. Manufacture of machinery and equipment n.e.c.	81.7	82.3	83.1	79.8	79.9	84.4	84.4	84.3	83.7
7. Kelengkapan pengangkutan dan pembuatan lain Transport equipment and other manufactures	81.0	80.6	84.2	80.5	84.0	80.7	81.4	82.2	85.0
29 Pembuatan kenderaan bermotor, treler dan semi treler Manufacture of motor vehicles, trailers and semi-trailers	82.6	81.6	86.3	81.3	86.1	82.0	81.6	81.3	86.3
30 Pembuatan kelengkapan pengangkutan lain Manufacture of other transport equipment	78.1	82.0	82.3	82.8	80.0	78.8	79.8	83.0	83.6
32 Pembuatan lain Other manufacturing	75.9	75.9	77.9	77.8	80.6	79.3	81.5	82.7	82.0
33 Pembaikan dan pemasangan jentera dan kelengkapan Repair and installation of machinery and equipment	82.3	76.1	80.2	75.7	82.8	79.0	82.4	84.5	84.5
Malaysia	81.1	79.0	81.3	80.2	79.8	78.2	79.4	79.9	80.8

1c Kapasiti Penggunaan Industri Pembuatan mengikut Subsektor - Bulanan

Manufacturing Industry Capacity Utilisation by Sub-sector – Monthly

Keterangan Subsektor Sub-sector Description		2017								
		Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.
1 Makanan, minuman dan tembakau Food, beverages and tobacco		70.6	69.6	70.6	72.2	75.8	71.9	77.1	72.9	73.6
10 Pembuatan produk makanan Manufacture of food products		73.3	73.5	74.7	79.2	78.5	76.2	76.3	76.8	76.9
11 Pembuatan minuman Manufacture of beverages		69.6	61.4	62.7	64.1	74.8	68.6	76.0	72.5	69.2
12 Pembuatan produk tembakau Manufacture of tobacco products		70.9	84.5	84.6	84.3	75.7	75.6	80.1	71.0	80.5
2 Tekstil, pakaian, kulit dan kasut Textiles, wearing apparel, leather and footwear		78.1	77.1	81.1	76.5	75.1	69.9	75.0	80.2	81.8
13 Pembuatan tekstil Manufacture of textiles		70.9	73.7	77.1	68.1	66.1	62.8	65.3	75.3	79.4
14 Pembuatan pakaian Manufacture of wearing apparel		84.7	79.7	84.7	84.6	83.7	75.4	85.0	85.5	85.4
15 Pembuatan produk kulit dan barangan berkaitan Manufacture of leather and related products		83.9	82.3	84.8	82.7	80.9	80.4	79.8	81.4	77.7
3 Produk kayu, perabot, keluaran kertas dan percetakan Wood products, furniture, paper products and printing		77.3	76.3	77.7	78.2	78.1	75.0	77.8	78.2	76.6
16 Pembuatan kayu dan produk kayu dan gabus, kecuali perabot; pembuatan bagi artikel jerami dan bahan-bahan anyaman Manufacture of wood and products of wood and cork, except furniture; manufacture of articles of straw and plaiting materials		76.0	74.0	75.4	75.2	75.5	71.0	74.9	75.0	73.7
17 Pembuatan kertas dan produk kertas Manufacture of paper and paper products		77.6	77.1	78.3	79.1	80.3	74.9	80.1	77.0	77.2
18 Percetakan dan penerbitan semula media rakaman Printing and reproduction of recorded media		74.6	74.5	74.5	82.5	75.8	78.8	78.5	82.6	76.3
31 Pembuatan perabot Manufacture of furniture		81.7	80.9	83.6	79.2	82.0	79.5	79.8	82.3	81.6
4 Petroleum, kimia, getah dan plastik Petroleum, chemical, rubber and plastic		84.3	83.2	82.2	76.7	79.1	85.1	84.9	83.7	82.4
19 Pembuatan kok dan produk petroleum bertapis Manufacture of coke and refined petroleum products		90.0	89.4	86.2	76.1	81.8	90.7	90.8	88.3	84.4
20 Pembuatan kimia dan produk kimia Manufacture of chemicals and chemical products		79.4	77.2	77.9	75.7	75.5	81.1	78.9	78.5	80.9
21 Pembuatan produk farmaseutikal asas, kimia perubatan dan botani Manufacture of basic pharmaceuticals, medicinal chemical and botanical products		72.9	64.3	70.6	74.2	69.0	70.4	72.0	73.4	72.2
22 Pembuatan produk getah dan plastik Manufacture of rubber and plastics products		79.0	79.2	80.3	79.6	78.9	79.5	80.8	81.4	80.6
5 Produk mineral bukan logam, logam asas dan produk logam yang direka Non-metallic mineral products, basic metal and fabricated metal products		75.5	73.7	75.5	73.8	74.4	71.8	75.2	75.4	72.7
23 Pembuatan produk galian bukan logam lain Manufacture of other non-metallic mineral products		76.3	72.8	71.5	72.6	70.6	71.6	71.4	71.7	70.7
24 Pembuatan logam asas Manufacture of basic metals		78.9	74.4	81.7	75.8	77.7	71.6	80.1	81.7	75.2
25 Pembuatan produk logam, kecuali mesin dan kelengkapan Manufacture of fabricated metal products, except machinery and equipment		72.2	73.9	73.7	73.2	74.7	72.0	74.3	73.4	72.4
6 Produk elektrik dan elektronik Electrical and electronic products		78.7	78.8	80.7	78.4	79.9	78.4	80.3	82.4	83.5
26 Pembuatan komputer, produk elektronik dan optikal Manufacture of computer, electronics and optical products		78.5	79.0	81.0	78.2	80.1	78.9	80.5	83.1	84.9
27 Pembuatan kelengkapan elektrik Manufacture of electrical equipment		80.2	79.4	79.6	80.6	81.2	79.3	83.2	82.8	81.4
28 Pembuatan jentera dan peralatan t.t.t.l. Manufacture of machinery and equipment n.e.c.		78.3	76.2	79.3	78.2	77.2	73.1	74.4	75.1	73.8
7 Kelengkapan pengangkutan dan pembuatan lain Transport equipment and other manufactures		75.2	72.2	72.4	70.7	73.8	73.6	74.0	71.6	71.3
29 Pembuatan kenderaan bermotor, treler dan semi treler Manufacture of motor vehicles, trailers and semi-trailers		71.3	68.3	70.8	66.8	72.2	73.4	72.2	67.7	67.0
30 Pembuatan kelengkapan pengangkutan lain Manufacture of other transport equipment		84.6	81.9	73.0	76.9	75.3	70.2	77.3	76.9	79.1
32 Pembuatan lain Other manufacturing		80.9	74.2	77.7	76.0	75.5	77.0	76.2	78.5	77.8
33 Pembaikan dan pemasangan jentera dan kelengkapan Repair and installation of machinery and equipment		75.4	76.7	76.6	77.4	79.7	77.6	78.3	78.7	77.3
Malaysia		79.4	78.5	79.3	76.3	78.0	78.7	80.1	80.3	79.8

1c Kapasiti Penggunaan Industri Pembuatan mengikut Subsektor - Bulanan

Manufacturing Industry Capacity Utilisation by Sub-sector – Monthly

Keterangan Subsektor Sub-sector Description		2017			2018					
		Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.	Mei	Jun
1 Makanan, minuman dan tembakau Food, beverages and tobacco		62.6	64.0	64.9	66.7	61.8	68.9	74.1	72.9	68.3
10	Pembuatan produk makanan Manufacture of food products	79.1	75.4	76.2	77.2	71.6	79.3	79.4	74.8	72.3
11	Pembuatan minuman Manufacture of beverages	60.9	65.1	62.2	68.0	56.0	67.8	76.1	75.2	67.7
12	Pembuatan produk tembakau Manufacture of tobacco products	53.6	53.0	62.1	56.1	67.2	63.8	65.6	66.4	66.7
2 Tekstil, pakaian, kulit dan kasut Textiles, wearing apparel, leather and footwear		80.4	77.4	80.6	78.0	73.3	75.5	78.6	78.7	86.9
13	Pembuatan tekstil Manufacture of textiles	74.9	68.5	73.9	69.0	61.5	62.2	69.5	69.5	87.9
14	Pembuatan pakaian Manufacture of wearing apparel	86.7	87.0	88.4	87.6	85.6	88.9	88.0	88.3	86.0
15	Pembuatan produk kulit dan barangan berkaitan Manufacture of leather and related products	79.5	78.8	79.5	80.5	78.4	83.0	83.2	82.7	85.7
3 Produk kayu, perabot, keluaran kertas dan percetakan Wood products, furniture, paper products and printing		78.6	78.2	77.6	78.3	74.6	79.3	78.2	79.0	77.2
16	Pembuatan kayu dan produk kayu dan gabus, kecuali perabot; pembuatan bagi artikel jerami dan bahan-bahan anyaman Manufacture of wood and products of wood and cork, except furniture; manufacture of articles of straw and plaiting materials	77.4	75.7	76.9	76.1	70.2	77.1	75.6	75.4	73.2
17	Pembuatan kertas dan produk kertas Manufacture of paper and paper products	79.0	79.5	78.0	83.1	79.2	81.2	81.9	81.4	78.9
18	Percetakan dan penerbitan semula media rakaman Printing and reproduction of recorded media	77.0	75.4	73.7	72.6	72.5	79.6	76.5	81.1	79.9
31	Pembuatan perabot Manufacture of furniture	81.8	83.2	81.6	80.5	78.6	80.6	79.5	80.7	80.4
4 Petroleum, kimia, getah dan plastik Petroleum, chemical, rubber and plastic		84.0	84.0	83.7	85.3	82.9	83.2	82.8	83.0	82.2
19	Pembuatan kok dan produk petroleum bertapis Manufacture of coke and refined petroleum products	87.2	89.5	88.5	88.6	84.1	84.8	86.2	85.2	86.4
20	Pembuatan kimia dan produk kimia Manufacture of chemicals and chemical products	81.5	77.9	79.1	84.2	84.4	83.4	80.2	83.3	79.4
21	Pembuatan produk farmaseutikal asas, kimia perubatan dan botani Manufacture of basic pharmaceuticals, medicinal chemical and botanical products	76.0	79.9	73.7	75.6	73.8	75.0	72.2	71.8	74.6
22	Pembuatan produk getah dan plastik Manufacture of rubber and plastics products	81.1	80.7	80.2	80.3	78.5	79.9	79.4	78.7	77.3
5 Produk mineral bukan logam, logam asas dan produk logam yang direka Non-metallic mineral products, basic metal and fabricated metal products		75.2	76.1	75.9	77.1	73.1	77.4	76.9	75.7	73.6
23	Pembuatan produk galian bukan logam lain Manufacture of other non-metallic mineral products	72.6	74.2	72.5	74.2	69.6	74.5	73.8	72.7	70.7
24	Pembuatan logam asas Manufacture of basic metals	78.9	79.6	78.5	78.7	73.7	79.9	78.8	77.7	73.4
25	Pembuatan produk logam, kecuali mesin dan kelengkapan Manufacture of fabricated metal products, except machinery and equipment	74.5	74.8	76.6	78.0	75.4	77.8	77.7	76.6	75.9
6 Produk elektrik dan elektronik Electrical and electronic products		81.5	81.3	80.1	78.2	76.9	83.2	79.4	79.9	78.0
26	Pembuatan komputer, produk elektronik dan optikal Manufacture of computer, electronics and optical products	82.2	81.9	80.5	77.7	76.4	83.5	78.9	79.9	78.2
27	Pembuatan kelengkapan elektrik Manufacture of electrical equipment	82.1	81.2	80.4	81.7	80.2	82.0	83.3	82.2	80.5
28	Pembuatan jentera dan peralatan t.t.t.l. Manufacture of machinery and equipment n.e.c.	74.8	76.2	75.4	77.8	77.3	82.5	79.0	76.7	73.5
7 Kelengkapan pengangkutan dan pembuatan lain Transport equipment and other manufactures		69.3	77.1	77.2	79.5	75.3	76.5	77.4	79.0	77.6
29	Pembuatan kenderaan bermotor, treler dan semi treler Manufacture of motor vehicles, trailers and semi-trailers	64.1	76.3	76.7	79.9	74.3	79.6	80.9	80.6	80.3
30	Pembuatan kelengkapan pengangkutan lain Manufacture of other transport equipment	77.9	80.0	79.5	79.9	77.8	67.8	68.5	77.6	72.8
32	Pembuatan lain Other manufacturing	75.7	74.0	75.4	77.0	73.4	72.4	74.7	74.5	71.8
33	Pembaikan dan pemasangan jentera dan kelengkapan Repair and installation of machinery and equipment	79.5	80.0	77.5	79.6	78.8	78.3	75.5	75.1	75.7
Malaysia		79.7	80.4	79.9	80.2	77.7	81.1	79.7	80.0	78.6

2019														
Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.
76.6	75.9	69.7	73.6	70.4	73.9	74.7	69.3	70.6	77.1	72.7	68.8	71.2	74.9	74.3
74.9	75.1	76.4	80.4	78.8	78.0	72.0	76.4	74.9	75.4	77.3	72.1	74.1	73.4	73.9
81.7	80.7	68.6	74.8	69.7	76.0	74.3	63.4	65.2	71.6	72.7	66.1	68.8	72.6	73.5
66.8	66.0	67.0	66.0	65.5	66.4	77.6	77.3	79.2	90.0	69.8	72.5	74.4	80.9	76.4
79.2	78.6	75.7	79.2	75.7	77.6	77.4	74.9	78.1	78.1	77.8	76.7	78.7	78.2	77.3
69.1	69.9	66.0	70.9	65.7	68.3	69.8	68.4	69.9	69.9	67.9	68.1	69.2	69.2	69.0
89.1	87.4	85.8	88.3	86.2	87.9	86.5	82.1	87.1	86.7	88.3	86.0	89.1	87.6	86.1
86.4	84.0	80.0	80.0	79.5	78.5	74.5	75.0	78.1	79.8	80.0	77.9	79.8	80.3	79.1
79.4	79.0	77.5	78.2	76.9	78.0	77.9	74.6	78.1	78.6	77.7	75.1	76.8	77.3	76.2
76.3	76.1	76.0	76.1	76.1	76.5	76.5	71.6	76.4	76.7	74.6	72.0	72.9	74.4	72.5
81.6	81.6	80.5	81.6	79.8	80.8	78.9	75.8	79.9	80.4	81.5	75.4	79.2	78.1	78.8
81.3	80.2	74.6	74.8	69.7	74.0	75.1	75.4	76.0	80.0	77.8	78.2	77.6	80.5	76.6
80.5	79.7	78.8	80.1	80.3	80.3	81.5	78.0	80.7	78.3	78.3	78.3	80.2	79.2	79.4
83.7	80.1	79.9	78.7	83.3	83.8	76.5	78.6	75.0	76.5	80.9	83.1	81.6	80.5	82.1
85.8	79.6	80.0	76.4	87.0	88.2	73.8	77.4	71.9	72.8	80.0	86.5	83.4	82.4	84.8
83.4	81.7	81.6	82.2	82.2	81.6	79.3	82.0	77.9	80.7	83.8	82.0	81.1	79.0	81.7
79.5	75.9	72.6	75.4	73.1	75.4	75.8	71.7	71.4	76.1	75.4	73.6	76.1	75.7	71.9
80.2	79.5	78.1	79.2	77.7	78.0	78.3	76.5	77.9	78.6	79.3	77.8	79.0	78.7	77.7
77.0	76.3	75.7	76.8	74.7	75.3	75.4	71.4	75.1	76.4	75.2	71.8	75.7	75.4	74.1
74.4	73.8	73.2	72.9	72.3	71.0	72.6	69.1	73.5	73.9	72.2	68.8	73.4	72.6	70.0
79.6	77.2	76.1	79.3	73.7	77.6	74.6	70.1	75.1	77.4	77.9	71.5	77.2	78.3	76.9
77.0	77.5	77.2	78.0	77.3	76.8	78.2	74.2	76.2	77.6	75.4	74.5	76.1	75.2	75.1
80.5	80.1	79.6	78.8	75.7	75.8	76.8	74.3	76.5	77.0	77.1	76.9	79.9	78.7	77.4
81.0	80.8	80.1	78.8	75.5	75.5	76.5	73.6	75.8	76.4	76.8	77.1	80.4	79.2	77.3
79.9	79.3	79.3	81.0	79.2	79.1	81.2	80.1	81.4	81.1	80.9	76.8	79.9	79.5	80.1
76.6	74.8	75.5	75.7	73.1	74.3	74.0	73.2	76.7	76.7	75.6	74.7	76.1	74.0	75.1
78.9	74.7	69.6	76.5	79.0	76.4	76.8	80.4	79.1	77.9	78.1	76.5	78.9	76.6	78.3
82.6	73.9	67.7	78.0	80.7	76.1	76.2	83.8	80.5	77.8	77.8	77.2	79.4	76.8	79.4
71.3	76.0	72.1	73.8	79.3	80.4	80.9	78.1	80.4	80.8	81.0	76.9	81.1	77.9	76.7
71.9	75.6	71.6	73.9	76.3	73.4	79.5	71.1	74.8	78.0	78.9	75.3	75.7	75.4	77.0
77.5	76.4	76.0	74.5	68.9	73.5	69.8	73.0	71.7	72.5	72.6	72.0	74.8	73.7	75.2
80.7	78.9	77.8	78.1	78.3	78.5	76.6	75.8	76.1	77.0	78.2	77.9	79.4	78.4	78.4

1c Kapasiti Penggunaan Industri Pembuatan mengikut Subsektor - Bulanan

Manufacturing Industry Capacity Utilisation by Sub-sector – Monthly

Keterangan Subsektor Sub-sector Description		2019			2020					
		Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.	Mei	Jun
1 Makanan, minuman dan tembakau Food, beverages and tobacco		75.5	75.2	74.7	72.3	73.2	62.4	54.0	61.5	67.2
10 Pembuatan produk makanan Manufacture of food products		71.4	71.4	71.7	72.6	72.9	73.7	71.3	76.0	78.3
11 Pembuatan minuman Manufacture of beverages		75.9	76.2	77.1	71.4	73.6	58.9	49.8	50.9	62.9
12 Pembuatan produk tembakau Manufacture of tobacco products		77.4	75.6	71.5	73.9	72.5	54.0	1.6	73.6	68.6
2 Tekstil, pakaian, kulit dan kasut Textiles, wearing apparel, leather and footwear		78.3	78.5	79.4	77.3	77.0	66.4	45.1	58.8	69.1
13 Pembuatan tekstil Manufacture of textiles		69.9	69.9	68.2	76.0	74.4	64.8	39.0	56.1	67.3
14 Pembuatan pakaian Manufacture of wearing apparel		86.6	87.5	90.8	78.4	79.9	69.1	52.4	59.7	70.3
15 Pembuatan produk kulit dan barangan berkaitan Manufacture of leather and related products		82.1	80.6	83.4	79.0	76.5	61.6	44.0	67.8	72.7
3 Produk kayu, perabot, keluaran kertas dan percetakan Wood products, furniture, paper products and printing		77.1	77.4	76.7	75.2	75.7	65.0	50.9	63.1	72.0
16 Pembuatan kayu dan produk kayu dan gabus, kecuali perabot; pembuatan bagi artikel jerami dan bahan-bahan anyaman Manufacture of wood and products of wood and cork, except furniture; manufacture of articles of straw and plaiting materials		74.5	72.8	71.7	70.9	71.5	59.6	55.0	61.6	70.6
17 Pembuatan kertas dan produk kertas Manufacture of paper and paper products		79.7	81.2	79.7	78.5	78.6	66.1	61.8	68.1	75.2
18 Percetakan dan penerbitan semula media rakaman Printing and reproduction of recorded media		74.1	77.0	76.6	73.6	76.4	71.4	47.3	64.9	76.4
31 Pembuatan perabot Manufacture of furniture		81.2	81.3	82.3	80.1	79.1	68.6	29.7	57.4	66.6
4 Petroleum, kimia, getah dan plastik Petroleum, chemical, rubber and plastic		80.8	83.2	81.9	73.7	74.6	66.3	50.1	65.7	72.2
19 Pembuatan kok dan produk petroleum bertapis Manufacture of coke and refined petroleum products		81.6	85.6	83.8	67.5	69.2	60.3	32.0	54.2	66.6
20 Pembuatan kimia dan produk kimia Manufacture of chemicals and chemical products		81.4	82.6	81.4	78.1	79.3	70.8	62.8	76.5	75.6
21 Pembuatan produk farmaseutikal asas, kimia perubatan dan botani Manufacture of basic pharmaceuticals, medicinal chemical and botanical products		72.3	72.1	67.5	76.2	73.5	69.2	69.4	68.6	73.6
22 Pembuatan produk getah dan plastik Manufacture of rubber and plastics products		78.9	79.6	79.6	80.6	79.5	72.7	70.8	75.0	79.2
5 Produk mineral bukan logam, logam asas dan produk logam yang direka Non-metallic mineral products, basic metal and fabricated metal products		75.5	74.9	74.7	74.1	72.5	60.1	47.0	62.1	68.0
23 Pembuatan produk galian bukan logam lain Manufacture of other non-metallic mineral products		73.1	72.5	73.0	71.4	66.8	55.1	40.2	57.4	62.5
24 Pembuatan logam asas Manufacture of basic metals		78.5	76.3	74.7	74.9	72.5	59.5	49.3	62.7	68.8
25 Pembuatan produk logam, kecuali mesin dan kelengkapan Manufacture of fabricated metal products, except machinery and equipment		75.0	75.6	75.9	75.6	76.7	64.2	49.2	65.0	71.3
6 Produk elektrik dan elektronik Electrical and electronic products		78.4	77.1	77.9	75.5	76.1	63.8	48.4	65.9	71.6
26 Pembuatan komputer, produk elektronik dan optikal Manufacture of computer, electronics and optical products		78.2	76.6	77.8	75.0	76.1	64.2	47.9	65.1	71.3
27 Pembuatan kelengkapan elektrik Manufacture of electrical equipment		81.5	80.8	79.8	78.9	77.3	63.3	49.1	69.4	71.8
28 Pembuatan jentera dan peralatan t.t.t.l. Manufacture of machinery and equipment n.e.c.		76.7	77.0	76.3	76.2	74.5	61.4	52.6	68.9	73.7
7 Kelengkapan pengangkutan dan pembuatan lain Transport equipment and other manufactures		79.5	80.0	75.7	74.3	72.9	65.7	34.2	55.0	69.0
29 Pembuatan kenderaan bermotor, treler dan semi treler Manufacture of motor vehicles, trailers and semi-trailers		82.2	80.7	75.3	71.4	70.3	64.8	24.7	49.1	65.6
30 Pembuatan kelengkapan pengangkutan lain Manufacture of other transport equipment		75.1	76.6	76.3	80.1	79.0	68.8	47.1	61.4	72.1
32 Pembuatan lain Other manufacturing		75.2	78.8	75.7	77.8	75.2	62.9	56.5	67.3	73.9
33 Pembaikan dan pemasangan jentera dan kelengkapan Repair and installation of machinery and equipment		75.1	83.8	77.4	77.8	74.5	68.9	51.3	66.7	79.8
Malaysia		78.8	79.1	78.4	74.6	74.7	64.4	47.7	63.9	70.9

2021														
Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.
69.7	69.9	69.4	67.5	65.8	67.2	72.6	68.7	74.3	72.2	68.4	49.1	49.3	50.7	75.5
75.0	75.0	74.7	73.5	71.7	71.6	73.7	72.0	79.7	78.3	73.7	76.7	77.9	76.3	77.2
65.0	66.6	71.0	72.0	70.2	71.2	69.6	61.9	69.1	68.4	61.6	58.0	57.3	61.1	74.0
76.0	73.2	62.1	53.4	52.1	55.4	78.4	81.1	81.4	76.3	79.3	9.7	8.8	9.9	77.6
69.2	70.6	71.3	71.5	71.6	72.9	77.3	78.7	77.8	79.6	77.3	69.9	69.4	67.3	71.0
68.4	68.2	68.3	68.3	68.8	69.0	75.3	81.9	77.9	80.5	76.6	70.0	70.3	64.9	69.6
68.9	72.9	74.4	75.0	73.4	76.0	80.4	76.7	78.4	79.5	78.9	70.7	69.2	71.4	71.9
73.9	71.9	72.7	71.8	77.2	78.0	73.1	72.1	74.4	75.3	73.3	65.5	65.2	61.7	73.6
72.3	72.1	73.5	73.1	72.9	73.2	73.4	72.0	74.1	72.9	71.5	66.5	64.7	66.2	69.5
70.0	70.1	70.9	69.6	70.5	70.4	68.5	68.5	69.9	69.6	70.7	64.7	63.8	67.3	68.6
75.9	74.5	76.6	77.2	77.0	77.0	79.7	75.1	78.1	76.8	75.5	73.7	70.8	68.4	71.9
75.3	71.1	71.3	70.8	69.5	70.0	72.5	73.6	77.1	73.8	68.9	65.6	62.4	65.9	67.2
69.2	73.3	75.9	76.0	74.8	75.8	74.7	73.2	74.2	72.9	69.8	59.9	59.5	61.5	70.0
72.5	72.5	74.9	77.2	72.1	74.3	79.9	79.8	79.0	78.3	79.6	75.0	74.2	69.4	67.6
65.3	66.6	69.2	73.4	62.6	69.0	78.8	79.2	78.0	78.0	79.1	74.7	74.3	64.5	53.8
77.9	76.2	79.8	80.8	80.3	77.4	82.9	82.5	80.0	78.2	82.2	76.1	76.6	75.9	82.3
73.4	77.1	77.6	76.0	72.0	77.5	72.1	74.1	72.4	75.0	69.8	68.9	72.3	74.3	76.7
80.1	79.4	80.1	80.6	80.6	81.2	78.7	77.6	80.2	79.2	77.4	74.4	70.7	70.6	75.6
72.0	70.0	73.4	72.1	71.4	73.7	73.5	71.0	75.2	74.7	69.3	57.6	60.1	64.2	70.5
68.7	69.5	69.1	69.8	68.7	70.7	70.0	70.2	73.9	74.0	68.7	54.8	58.8	63.5	68.5
71.9	67.3	72.4	71.5	70.3	74.7	73.7	68.9	73.9	73.7	67.9	54.6	57.2	62.6	74.1
74.5	72.5	77.3	74.2	74.1	75.1	76.1	73.3	77.2	76.0	71.0	62.1	63.4	66.0	69.3
73.0	73.6	75.1	75.4	74.6	76.0	75.2	75.6	78.0	77.4	76.6	77.3	71.4	72.9	79.1
72.7	73.4	75.1	75.1	74.3	75.9	75.1	75.5	77.7	77.2	76.7	79.3	73.3	72.7	79.4
75.5	75.5	76.8	75.1	74.2	74.2	75.4	75.5	79.0	79.0	78.1	73.0	68.3	73.6	78.6
73.3	72.5	73.1	78.9	77.9	79.8	76.7	76.2	79.5	76.8	73.8	63.6	57.7	74.0	77.0
69.7	72.2	73.8	74.2	72.7	73.5	76.8	73.3	79.2	76.5	76.8	50.0	47.0	60.4	73.2
69.3	71.9	73.0	72.8	72.1	73.7	77.5	74.4	81.6	77.2	78.9	38.6	37.0	54.7	73.8
66.8	66.9	72.8	77.6	72.0	70.6	73.6	68.4	76.6	76.5	74.5	68.4	62.1	71.8	74.4
74.7	78.2	78.2	75.2	75.0	76.5	76.1	73.9	75.1	74.6	72.1	68.8	68.3	67.4	68.6
72.0	78.2	76.4	74.9	75.9	75.3	80.2	75.6	72.3	74.0	72.7	67.7	59.7	67.4	72.1
72.2	72.4	74.4	75.1	72.8	74.5	76.5	75.8	77.7	76.9	76.1	70.0	67.6	68.5	72.7

1c Kapasiti Penggunaan Industri Pembuatan mengikut Subsektor - Bulanan

Manufacturing Industry Capacity Utilisation by Sub-sector – Monthly

Keterangan Subsektor Sub-sector Description		2021			2022					
		Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.	Mei	Jun
1	Makanan, minuman dan tembakau Food, beverages and tobacco	75.8	77.7	72.8	88.3	83.3	84.3	77.9	84.9	83.8
10	Pembuatan produk makanan Manufacture of food products	73.5	70.8	71.0	76.9	69.9	75.8	67.2	77.5	78.6
11	Pembuatan minuman Manufacture of beverages	74.3	78.3	73.8	87.9	80.5	81.1	81.1	80.8	79.5
12	Pembuatan produk tembakau Manufacture of tobacco products	80.8	81.0	72.0	97.9	99.1	97.7	79.1	99.3	96.8
2	Tekstil, pakaian, kulit dan kasut Textiles, wearing apparel, leather and footwear	74.4	75.7	76.0	81.7	78.6	82.4	82.0	81.0	81.2
13	Pembuatan tekstil Manufacture of textiles	71.9	72.5	72.8	88.1	84.8	86.8	84.5	80.7	83.8
14	Pembuatan pakaian Manufacture of wearing apparel	77.3	79.7	80.5	73.1	70.8	76.0	78.5	80.8	75.8
15	Pembuatan produk kulit dan barangan berkaitan Manufacture of leather and related products	73.9	74.1	72.1	90.0	83.9	89.2	85.0	82.9	92.7
3	Produk kayu, perabot, keluaran kertas dan percetakan Wood products, furniture, paper products and printing	73.3	73.7	73.1	78.0	76.2	80.6	79.0	76.7	80.1
16	Pembuatan kayu dan produk kayu dan gabus, kecuali perabot; pembuatan bagi artikel jerami dan bahan-bahan anyaman Manufacture of wood and products of wood and cork, except furniture; manufacture of articles of straw and plaiting materials	73.6	72.6	69.0	71.8	70.7	75.3	73.8	72.2	74.4
17	Pembuatan kertas dan produk kertas Manufacture of paper and paper products	70.7	73.7	75.5	83.6	80.0	84.5	80.3	76.8	80.9
18	Percetakan dan penerbitan semula media rakaman Printing and reproduction of recorded media	75.1	74.1	74.4	75.9	77.3	80.9	81.8	80.7	85.9
31	Pembuatan perabot Manufacture of furniture	74.8	75.7	76.7	83.9	80.4	85.2	84.7	81.9	85.0
4	Petroleum, kimia, getah dan plastik Petroleum, chemical, rubber and plastic	69.6	73.6	74.0	83.4	84.0	80.3	83.9	75.9	73.4
19	Pembuatan kok dan produk petroleum bertapis Manufacture of coke and refined petroleum products	57.3	64.6	67.7	85.7	90.8	76.8	86.4	71.6	66.2
20	Pembuatan kimia dan produk kimia Manufacture of chemicals and chemical products	81.6	83.4	80.8	81.1	77.7	84.3	82.1	79.7	78.5
21	Pembuatan produk farmaseutikal asas, kimia perubatan dan botani Manufacture of basic pharmaceuticals, medicinal chemical and botanical products	69.8	72.4	71.3	78.6	71.1	80.4	78.5	76.3	84.6
22	Pembuatan produk getah dan plastik Manufacture of rubber and plastics products	78.8	79.1	78.4	82.0	79.2	82.1	81.4	79.5	80.8
5	Produk mineral bukan logam, logam asas dan produk logam yang direka Non-metallic mineral products, basic metal and fabricated metal products	72.8	72.1	72.0	81.3	76.4	80.4	80.4	76.4	79.5
23	Pembuatan produk galian bukan logam lain Manufacture of other non-metalic mineral products	70.8	70.0	71.9	82.3	76.6	77.7	81.2	79.1	81.4
24	Pembuatan logam asas Manufacture of basic metals	74.8	73.3	70.2	80.2	74.1	80.2	77.8	74.2	77.2
25	Pembuatan produk logam, kecuali mesin dan kelengkapan Manufacture of fabricated metal products, except machinery and equipment	72.6	72.6	73.5	81.4	78.1	82.6	81.8	76.1	79.9
6	Produk elektrik dan elektronik Electrical and electronic products	78.9	78.4	79.9	80.6	78.5	83.1	78.3	77.7	82.8
26	Pembuatan komputer, produk elektronik dan optikal Manufacture of computer, electronics and optical products	78.6	77.5	80.1	79.9	78.5	82.8	77.1	77.4	82.8
27	Pembuatan kelengkapan elektrik Manufacture of electrical equipment	81.3	83.2	80.5	83.3	78.1	85.2	81.5	78.1	82.7
28	Pembuatan jentera dan peralatan t.t.t.l. Manufacture of machinery and equipment n.e.c.	78.8	80.3	77.0	82.7	79.0	83.4	84.5	79.4	83.1
7	Kelengkapan pengangkutan dan pembuatan lain Transport equipment and other manufactures	79.0	74.9	74.2	77.9	81.5	83.6	77.3	82.1	82.5
29	Pembuatan kenderaan bermotor, treler dan semi treler Manufacture of motor vehicles, trailers and semi-trailers	82.8	75.6	75.3	77.7	85.2	85.0	80.3	82.2	82.5
30	Pembuatan kelengkapan pengangkutan lain Manufacture of other transport equipment	71.7	74.2	71.3	77.0	75.0	82.3	79.7	82.0	84.3
32	Pembuatan lain Other manufacturing	72.4	73.4	72.7	78.9	72.6	76.2	70.1	79.1	78.4
33	Pembaikan dan pemasangan jentera dan kelengkapan Repair and installation of machinery and equipment	76.2	73.2	74.9	81.6	80.9	84.4	59.4	84.6	84.3
Malaysia		74.5	75.2	75.7	81.3	80.2	81.7	80.4	77.4	79.1

2023											
Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.	Mei	Jun
79.8	74.8	79.1	79.0	73.0	86.4	78.7	77.8	79.3	74.3	78.5	76.8
79.0	80.0	77.7	78.7	78.5	76.9	77.6	76.9	78.2	72.6	77.0	76.2
82.6	82.4	80.4	79.9	78.8	83.5	79.0	77.3	77.3	78.3	82.5	80.0
74.3	54.6	77.6	77.5	56.5	99.6	92.7	91.5	96.8	92.9	93.4	82.3
82.7	80.8	83.7	78.9	78.9	80.2	76.9	75.4	81.8	79.2	79.4	81.4
85.8	86.1	91.4	85.4	84.7	83.6	69.9	75.7	79.0	75.9	76.0	80.2
77.5	72.0	73.2	68.8	69.5	73.6	78.6	73.7	83.1	81.6	81.4	82.2
90.7	94.3	92.3	92.1	92.9	93.3	91.0	83.1	84.2	83.0	85.3	83.6
78.4	79.7	78.6	78.1	76.1	75.8	73.9	75.3	76.5	76.0	76.7	76.1
71.8	75.2	73.4	72.6	70.0	69.7	67.9	68.3	68.9	68.5	70.5	68.9
79.5	78.1	77.6	77.9	75.4	76.5	74.6	77.3	79.9	76.5	75.6	77.6
83.3	85.2	85.0	82.2	83.5	82.6	81.3	82.6	80.6	82.8	83.8	83.2
85.1	85.8	84.5	85.7	82.8	80.6	78.4	79.7	82.7	79.8	80.2	78.0
80.0	80.9	81.1	82.6	82.6	81.3	82.3	79.6	80.7	75.7	77.5	78.0
79.8	80.1	85.0	84.7	86.4	85.9	85.9	79.4	81.4	72.8	73.5	74.0
80.8	82.5	76.4	81.2	80.0	77.4	79.7	80.4	79.9	79.4	82.1	82.4
86.7	88.2	84.2	82.2	79.2	69.5	79.6	85.8	83.1	80.7	80.6	81.6
79.0	80.0	79.4	80.0	78.1	77.4	78.4	78.3	80.0	76.0	79.2	79.7
80.8	79.9	78.9	79.3	79.1	77.8	76.1	79.2	81.5	78.6	79.2	80.3
82.7	82.0	80.7	80.0	78.7	78.7	73.3	78.4	80.4	80.3	79.3	81.7
79.9	79.1	76.7	75.8	77.2	74.0	73.9	78.7	82.5	78.0	77.1	77.5
80.2	78.9	79.4	81.5	81.0	80.2	80.0	80.2	81.6	77.5	80.5	81.1
82.2	81.4	83.1	78.1	79.0	81.9	78.0	78.5	80.0	77.5	79.8	81.0
81.4	80.3	83.3	77.7	78.5	81.5	77.9	78.2	79.3	77.0	79.0	80.8
85.8	86.2	83.5	81.4	81.7	85.6	79.3	81.1	82.4	74.9	78.8	80.1
84.5	84.6	80.4	77.6	80.4	81.4	77.6	78.6	83.5	83.9	85.8	83.6
81.3	86.2	85.1	81.7	84.1	75.7	82.3	83.6	86.1	76.6	83.9	81.5
81.2	87.4	90.4	83.7	87.7	72.6	83.4	85.9	89.0	74.8	88.3	82.9
84.9	88.9	73.2	79.8	77.0	91.6	79.6	79.9	80.3	80.2	76.6	79.6
77.7	78.4	77.6	76.9	77.2	79.4	80.2	78.8	82.7	77.2	81.5	79.1
78.3	81.4	81.0	76.1	82.6	68.3	82.5	81.9	83.9	78.1	78.0	80.8
80.9	81.2	81.7	80.1	80.4	80.2	79.3	79.2	80.8	76.5	79.0	79.2

1c Kapasiti Penggunaan Industri Pembuatan mengikut Subsektor - Bulanan

Manufacturing Industry Capacity Utilisation by Sub-sector – Monthly

Keterangan Subsektor Sub-sector Description		2023					2024			
		Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac
1 Makanan, minuman dan tembakau Food, beverages and tobacco		78.5	79.6	82.2	81.1	80.6	79.6	79.1	77.0	79.2
10 Pembuatan produk makanan Manufacture of food products		78.2	79.4	81.8	80.5	79.8	78.6	77.9	75.5	77.7
11 Pembuatan minuman Manufacture of beverages		80.1	80.2	80.5	80.6	82.1	82.8	81.5	80.0	82.0
12 Pembuatan produk tembakau Manufacture of tobacco products		82.0	81.7	89.4	89.7	90.1	89.7	93.0	94.4	96.9
2 Tekstil, pakaian, kulit dan kasut Textiles, wearing apparel, leather and footwear		79.0	79.7	80.3	80.7	81.0	79.8	79.3	77.1	84.0
13 Pembuatan tekstil Manufacture of textiles		76.6	77.0	76.9	77.1	77.3	77.1	77.2	80.1	82.2
14 Pembuatan pakaian Manufacture of wearing apparel		81.1	82.4	83.1	84.0	84.4	81.5	78.7	72.9	85.3
15 Pembuatan produk kulit dan barangan berkaitan Manufacture of leather and related products		79.1	79.2	81.9	80.7	81.1	84.6	91.2	83.7	85.2
3 Produk kayu, perabot, keluaran kertas dan percetakan Wood products, furniture, paper products and printing		76.0	77.5	77.9	79.4	80.1	80.4	79.9	79.1	79.7
16 Pembuatan kayu dan produk kayu dan gabus, kecuali perabot; pembuatan bagi artikel jerami dan bahan-bahan anyaman Manufacture of wood and products of wood and cork, except furniture; manufacture of articles of straw and plaiting materials		69.9	72.8	72.8	72.4	72.5	72.2	71.3	71.9	73.3
17 Pembuatan kertas dan produk kertas Manufacture of paper and paper products		77.0	77.4	78.6	78.5	79.4	79.0	78.9	78.1	77.9
18 Percetakan dan penerbitan semula media rakaman Printing and reproduction of recorded media		82.9	83.4	83.9	83.5	84.5	86.3	84.1	83.8	81.6
31 Pembuatan perabot Manufacture of furniture		77.2	78.5	78.6	86.1	87.5	88.2	89.0	86.2	88.8
4 Petroleum, kimia, getah dan plastik Petroleum, chemical, rubber and plastic		77.8	78.4	77.2	78.6	77.5	77.7	82.6	81.3	81.8
19 Pembuatan kok dan produk petroleum bertapis Manufacture of coke and refined petroleum products		74.4	74.6	73.5	77.1	75.9	75.3	84.4	84.0	84.1
20 Pembuatan kimia dan produk kimia Manufacture of chemicals and chemical products		82.3	83.1	81.1	80.8	79.2	80.1	80.2	77.9	78.1
21 Pembuatan produk farmaseutikal asas, kimia perubatan dan botani Manufacture of basic pharmaceuticals, medicinal chemical and botanical products		81.2	83.5	85.1	82.6	82.5	84.5	83.6	86.1	89.2
22 Pembuatan produk getah dan plastik Manufacture of rubber and plastics products		78.4	79.1	78.7	78.4	78.2	78.9	82.2	79.8	81.6
5 Produk mineral bukan logam, logam asas dan produk logam yang direka Non-metallic mineral products, basic metal and fabricated metal products		80.1	81.9	82.6	82.9	83.5	83.2	83.3	82.1	84.6
23 Pembuatan produk galian bukan logam lain Manufacture of other non-metallic mineral products		81.4	83.8	84.8	85.1	85.9	86.0	86.3	84.9	86.5
24 Pembuatan logam asas Manufacture of basic metals		77.3	79.6	80.5	80.1	81.3	79.6	78.6	79.4	82.7
25 Pembuatan produk logam, kecuali mesin dan kelengkapan Manufacture of fabricated metal products, except machinery and equipment		80.9	81.9	82.3	82.9	83.0	83.4	83.9	81.7	84.3
6 Produk elektrik dan elektronik Electrical and electronic products		78.6	79.7	81.4	80.5	80.4	77.6	77.4	77.3	80.5
26 Pembuatan komputer, produk elektronik dan optikal Manufacture of computer, electronics and optical products		77.9	78.3	80.7	79.7	79.5	76.4	76.2	76.1	79.5
27 Pembuatan kelengkapan elektrik Manufacture of electrical equipment		79.2	82.5	82.9	82.6	82.4	78.0	79.9	79.5	82.0
28 Pembuatan jentera dan peralatan t.t.t.l. Manufacture of machinery and equipment n.e.c.		82.7	86.1	84.4	83.4	84.9	84.6	82.6	82.9	85.5
7 Kelengkapan pengangkutan dan pembuatan lain Transport equipment and other manufactures		80.8	81.7	81.6	82.1	82.7	81.9	86.6	84.4	84.2
29 Pembuatan kenderaan bermotor, treler dan semi treler Manufacture of motor vehicles, trailers and semi-trailers		81.2	82.7	81.0	81.3	81.6	81.1	88.5	85.9	84.6
30 Pembuatan kelengkapan pengangkutan lain Manufacture of other transport equipment		77.8	79.4	82.2	82.1	83.4	83.4	84.9	82.8	82.9
32 Pembuatan lain Other manufacturing		81.2	81.1	82.3	82.7	83.0	82.4	83.0	80.3	82.9
33 Pembaikan dan pemasangan jentera dan kelengkapan Repair and installation of machinery and equipment		82.9	81.7	82.7	85.1	85.8	82.4	84.1	84.0	85.5
Malaysia		78.6	79.6	80.1	80.4	80.1	79.2	80.9	79.8	81.6

2a Kapasiti Penggunaan Industri Pembuatan mengikut Kumpulan - Tahunan

Manufacturing Industry Capacity Utilisation by Group- Yearly

Kod Kumpulan Group Code	Keterangan Kumpulan Group Description	2017	2018	2019	2020	2021	2022	2023
101	Pemprosesan dan pengawetan daging <i>Processing and preserving of meat</i>	68.8	68.1	73.0	85.3	80.2	80.9	81.2
102	Pemprosesan dan pengawetan ikan, krustasea dan moluska <i>Processing and preserving of fish, crustaceans and molluscs</i>	70.2	73.4	72.2	70.8	70.4	74.9	75.2
103	Pemprosesan dan pengawetan buah-buahan dan sayur-sayuran <i>Processing and preserving of fruits and vegetable</i>	59.4	64.0	65.4	64.3	64.2	78.9	78.0
104	Pembuatan minyak dan lemak daripada sayuran dan haiwan <i>Manufacture of vegetable and animal oils and fats</i>	76.0	78.7	71.3	71.1	74.9	67.4	67.3
105	Pembuatan produk tenusu <i>Manufacture of dairy products</i>	77.1	75.8	66.1	73.0	69.0	76.6	75.7
106	Pembuatan produk bijian, kanji dan produk berkanji <i>Manufacture of grain mill products, starches and starch products</i>	66.2	60.5	67.8	60.0	59.6	70.0	70.3
107	Pembuatan produk makanan lain <i>Manufacture of other food products</i>	78.8	78.5	78.9	79.0	80.0	83.9	84.3
108	Pembuatan makanan haiwan tersedia <i>Manufacture of prepared animal feeds</i>	78.0	73.2	72.6	73.2	70.8	79.9	79.9
110	Pembuatan minuman ringan <i>Manufacture of beverages</i>	67.3	71.9	71.4	65.3	67.3	81.5	80.8
120	Pembuatan produk tembakau <i>Manufacture of tobacco products</i>	73.0	65.3	76.9	59.7	61.4	84.2	83.7
131	Pemintalan, penenunan dan penyiapan tekstil <i>Spinning, weaving and finishing of textiles</i>	67.8	65.5	65.6	62.5	73.7	86.5	84.0
139	Pembuatan tekstil lain <i>Manufacture of other textiles</i>	79.8	77.7	78.0	73.8	73.7	82.8	82.4
141	Pembuatan pakaian, kecuali pakaian berbulu <i>Manufacture of wearing apparel, except fur apparel</i>	85.1	87.2	87.0	71.5	76.3	74.0	74.5
142 & 143	Pembuatan artikel daripada kulit bulu dan pakaian yang dikait dan dikrusye <i>Manufacture of articles of fur, knitted and crocheted apparel</i>	68.6	86.0	81.1	57.9	60.8	72.6	74.5
151	Penyamakan dan pembersihan kulit, pembuatan begasi, beg tangan, pelana dan abah-abah pembersihan dan pewarnaan bulu <i>Tanning and dressing of leather; manufacture of luggage, handbags, saddlery and harness; dressing and dyeing of fur</i>	83.6	85.3	78.5	64.1	67.6	89.7	90.1
152	Pembuatan kasut <i>Manufacture of footwear</i>	78.7	77.1	79.9	77.4	75.4	90.2	90.0
161	Pengilangan dan pengetaman kayu <i>Sawmilling and planing of wood</i>	75.3	73.5	75.3	68.8	68.1	77.3	77.4
162	Pembuatan produk daripada kayu, gabus, jerami dan bahan jalinan lain <i>Manufacture of products of wood, cork, straw and plaiting materials</i>	75.0	76.0	73.4	67.1	69.2	71.0	70.5
170	Pembuatan kertas dan produk kertas <i>Manufacture of paper and paper products</i>	78.2	81.0	79.1	73.9	74.2	79.3	78.5
181 & 182	Percetakan dan aktiviti perkhidmatan berkaitan percetakan dan penerbitan semula media rakaman <i>Printing and service activities related to printing & reproduction of recorded media</i>	77.1	76.7	73.5	66.6	69.4	76.5	77.0
192	Pembuatan produk petroleum bertapis <i>Manufacture of refined petroleum products</i>	86.9	84.4	80.3	63.0	70.8	81.6	81.6
201	Pembuatan kimia asas, baja dan sebatian nitrogen, plastik dan getah sintetik dalam bentuk primer <i>Manufacture of basic chemicals, fertilizer and nitrogen compounds, plastics and synthetic rubber in primary forms</i>	79.5	84.1	82.5	76.6	81.6	80.2	80.0
202 & 203	Pembuatan produk kimia lain dan serat buatan manusia <i>Manufacture of other chemical products and man-made fibres</i>	79.0	76.2	76.6	65.4	70.9	73.7	72.9
210	Pembuatan produk farmaseutikal, kimia perubatan dan botani <i>Manufacture of pharmaceuticals, medicinal chemical and botanical products</i>	72.4	74.6	73.3	73.7	72.4	80.0	80.0
221	Pembuatan produk getah <i>Manufacture of rubber products</i>	82.3	80.1	80.3	81.9	79.1	79.4	78.9
222	Pembuatan produk plastik <i>Manufacture of plastics products</i>	77.7	77.6	76.5	74.4	74.1	80.5	80.4

2a Kapasiti Penggunaan Industri Pembuatan mengikut Kumpulan - Tahunan

Manufacturing Industry Capacity Utilisation by Group- Yearly

Kod Kumpulan Group Code	Keterangan Kumpulan Group Description	2017	2018	2019	2020	2021	2022	2023
231	Pembuatan kaca dan produk kaca <i>Manufacture of glass and glass products</i>	81.4	79.0	74.8	70.1	73.9	85.1	83.1
239	Pembuatan pengeluaran galian bukan logam t.t.t.l. <i>Manufacture of non-metallic mineral products n.e.c.</i>	71.1	71.8	71.7	63.2	67.1	79.3	78.8
241	Pembuatan besi dan keluli asas <i>Manufacture of basic iron and steel</i>	76.7	78.1	75.0	65.1	64.4	76.8	76.5
242	Pembuatan logam asas berharga dan logam bukan ferus lain <i>Manufacture of basic precious and other non-ferrous metals</i>	80.6	75.9	76.9	73.0	76.9	77.9	77.0
243	Pengacuan logam <i>Casting of metals</i>	73.0	74.0	75.6	68.4	65.1	76.8	76.8
251 & 252	Pembuatan produk struktur logam, tangki, takungan, penjana wap, senjata dan peluru <i>Manufacture of structural metal products, tanks, reservoirs, steam generators, weapons and ammunition</i>	77.1	77.7	77.2	69.5	76.5	78.0	78.8
259	Pembuatan lain-lain produk yang direka daripada logam; aktiviti perkhidmatan kerja logam <i>Manufacture of other fabricated metal products; metal working service activities</i>	73.5	77.8	76.5	70.7	70.0	78.2	78.0
261	Pembuatan komponen dan papan elektronik <i>Manufacture of electronic components and boards</i>	85.6	84.3	81.6	75.5	81.2	85.0	84.9
262	Pembuatan komputer dan kelengkapan peranti <i>Manufacture of computers and peripheral equipment</i>	67.4	68.5	63.4	59.5	63.6	70.4	68.5
263	Pembuatan peralatan komunikasi <i>Manufacture of communication equipment</i>	71.0	77.9	74.4	74.3	78.2	77.6	77.9
264	Pembuatan peralatan elektronik pengguna <i>Manufacture of consumer electronics</i>	79.9	73.3	77.6	62.4	75.5	71.3	72.2
265	Pembuatan kelengkapan mengukur, menguji, memandu arah dan kawalan; jam tangan dan jam <i>Manufacture of measuring, testing, navigating and control equipment; watches and clocks</i>	69.9	69.8	68.7	63.4	67.7	81.4	81.8
266	Pembuatan peralatan penyinaran, perubatan elektro dan elektroterapeutik <i>Manufacture of irradiation, electromedical and electrotherapeutic equipment</i>	84.4	54.7	60.6	68.5	68.2	81.7	82.4
267 & 268	Pembuatan peralatan optikal, kelengkapan fotografi, media magnetik dan optikal <i>Manufacture of optical instruments, photographic equipment, magnetic and optical media</i>	86.4	77.0	65.6	70.0	68.6	84.3	84.2
271	Pembuatan motor elektrik, penjana, transformer dan perkakasan pengagihan dan pengawalan elektrik <i>Manufacture of electric motors, generators, transformers and electricity distribution and control apparatus</i>	77.0	77.2	78.9	74.7	77.6	82.9	82.8
272	Pembuatan bateri dan akumulator <i>Manufacture of batteries and accumulators</i>	93.3	85.0	84.1	64.4	82.5	81.0	80.5
273	Pembuatan pendawaian dan peranti pendawaian <i>Manufacture of wiring and wiring devices</i>	78.9	76.1	75.9	68.7	72.9	80.2	80.0
274	Pembuatan kelengkapan pencahayaan elektrik <i>Manufacture of electric lighting equipment</i>	66.6	68.5	67.2	62.5	67.0	77.1	77.3
275	Pembuatan perkakasan domestik <i>Manufacture of domestic appliances</i>	81.5	87.0	84.5	69.0	75.4	84.4	84.5
279	Pembuatan kelengkapan elektrik lain <i>Manufacture of other electrical equipment</i>	87.0	87.6	86.3	84.7	88.0	88.5	86.6
281 & 282	Pembuatan jentera kegunaan umum dan kegunaan khas <i>Manufacture of general-purpose and special-purpose machinery</i>	76.2	76.5	75.6	71.9	74.1	81.9	81.5
291	Pembuatan kenderaan bermotor <i>Manufacture of motor vehicles</i>	67.1	77.9	78.2	62.2	62.8	80.1	80.8
292	Pembuatan kerangka (coachwork) untuk kenderaan bermotor; pembuatan treler dan semi treler <i>Manufacture of bodies (coachwork) for motor vehicles; manufacture of trailers and semi-trailers</i>	77.1	75.4	77.4	70.4	64.3	76.9	76.2
293	Pembuatan alat ganti dan aksesori untuk kenderaan bermotor <i>Manufacture of parts and accessories for motor vehicles</i>	75.2	78.1	80.0	68.4	77.4	87.6	87.9
301	Pembinaan kapal dan bot <i>Building of ships and boats</i>	76.6	70.7	75.0	63.3	68.7	74.9	74.1
302, 303, 304 & 309	Pembuatan lokomotif keretapi, rolling stock, kapal angkasa dan udara, jentera berkaitan, kenderaan tempur ketenteraan dan kelengkapan pengangkutan t.t.t.l. <i>Manufacture of railway locomotives, rolling stock, air and spacecraft, related machinery, military fighting vehicles and transport equipment n.e.c.</i>	77.9	76.6	81.1	78.1	72.2	84.5	85.1

Kod Kumpulan Group Code	Keterangan Kumpulan Group Description	2017	2018	2019	2020	2021	2022	2023
310	Pembuatan perabot <i>Manufacture of furniture</i>	81.4	80.0	79.9	68.8	70.2	83.8	83.3
321	Pembuatan barang kemas, bijouterie dan artikel berkaitan <i>Manufacture of jewellery, bijouterie and related articles</i>	76.1	75.5	76.6	67.9	68.2	79.7	80.2
322, 325 & 329	Pembuatan instrumen muzik, peralatan dan bekalan perubatan dan pergigian dan pembuatan lain t.t.t.l. <i>Manufacture of musical instruments, medical and dental instruments and supplies and other manufacturing n.e.c.</i>	73.3	68.6	72.0	74.0	75.1	83.2	83.2
323	Pembuatan barangan sukan <i>Manufacture of sports goods</i>	75.3	74.0	73.5	71.5	74.8	89.8	90.6
324	Pembuatan permainan dan mainan <i>Manufacture of games and toys</i>	64.4	69.9	72.9	74.2	57.5	75.5	75.4
331 & 332	Pembaikan pemasangan produk logam, jentera dan kelengkapan serta pemasangan jentera perindustrian dan kelengkapan <i>Repair of fabricated metal products, machinery and equipment and installation of industrial machinery and equipment</i>	81.3	76.6	70.4	70.5	70.8	78.9	79.0
Malaysia		79.2	79.1	77.8	69.8	73.9	80.4	80.2

2b Kapasiti Penggunaan Industri Pembuatan mengikut Kumpulan - Suku Tahunan

Manufacturing Industry Capacity Utilisation by Group – Quarterly

Kod Kumpulan Group Code	Keterangan Kumpulan Group Description	2017				2018			
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
101	Pemprosesan dan pengawetan daging <i>Processing and preserving of meat</i>	74.5	63.2	66.8	70.9	72.6	66.5	66.7	66.7
102	Pemprosesan dan pengawetan ikan, krustasea dan moluska <i>Processing and preserving of fish, crustaceans and molluscs</i>	67.9	69.4	71.8	71.7	75.0	74.0	72.0	72.6
103	Pemprosesan dan pengawetan buah-buahan dan sayur-sayuran <i>Processing and preserving of fruits and vegetable</i>	56.9	65.0	59.9	56.0	63.4	63.1	65.7	63.7
104	Pembuatan minyak dan lemak daripada sayuran dan haiwan <i>Manufacture of vegetable and animal oils and fats</i>	68.2	79.1	78.0	78.9	76.8	75.6	78.6	83.9
105	Pembuatan produk tenusu <i>Manufacture of dairy products</i>	74.9	71.6	80.9	81.3	80.8	74.8	74.0	73.5
106	Pembuatan produk bijian, kanji dan produk berkanji <i>Manufacture of grain mill products, starches and starch products</i>	67.1	64.7	66.5	66.4	61.0	61.3	60.5	59.3
107	Pembuatan produk makanan lain <i>Manufacture of other food products</i>	79.7	81.0	77.1	77.5	78.0	78.7	76.4	81.0
108	Pembuatan makanan haiwan tersedia <i>Manufacture of prepared animal feeds</i>	73.8	79.4	81.4	77.3	72.7	73.2	74.7	72.4
110	Pembuatan minuman ringan <i>Manufacture of beverages</i>	64.6	69.2	72.6	62.7	63.9	73.0	77.0	73.5
120	Pembuatan produk tembakau <i>Manufacture of tobacco products</i>	80.0	78.5	77.2	56.2	62.4	66.3	66.6	66.0
131	Pemintalan, penenunan dan penyiapan tekstil <i>Spinning, weaving and finishing of textiles</i>	71.6	59.4	70.8	69.3	58.1	74.1	64.6	65.1
139	Pembuatan tekstil lain <i>Manufacture of other textiles</i>	79.7	80.4	79.4	79.8	78.6	79.2	77.1	75.8
141	Pembuatan pakaian, kecuali pakaian berbulu <i>Manufacture of wearing apparel, except fur apparel</i>	84.0	82.0	86.2	88.4	87.2	87.3	87.2	87.3
142 & 143	Pembuatan artikel daripada kulit bulu dan pakaian yang dikait dan dikrusye <i>Manufacture of articles of fur, knitted and crocheted apparel</i>	60.6	72.3	71.1	70.4	86.5	85.8	85.9	85.9
151	Penyamakan dan pembersihan kulit, pembuatan begasi, beg tangan, pelana dan abah-abah pembersihan dan pewarnaan bulu <i>Tanning and dressing of leather; manufacture of luggage, handbags, saddlery and harness; dressing and dyeing of fur</i>	84.9	81.7	83.3	84.4	83.4	88.9	88.1	80.8
152	Pembuatan kasut <i>Manufacture of footwear</i>	82.6	81.0	76.4	74.7	76.8	77.1	77.0	77.4
161	Pengilangan dan pengetaman kayu <i>Sawmilling and planning of wood</i>	74.9	74.4	76.4	75.4	72.3	72.2	75.0	74.6
162	Pembuatan produk daripada kayu, gabus, jerami dan bahan jalinan lain <i>Manufacture of products of wood, cork, straw and plaiting materials</i>	75.2	73.8	73.9	77.1	75.2	75.6	76.5	76.8
170	Pembuatan kertas dan produk kertas <i>Manufacture of paper and paper products</i>	77.7	78.1	78.1	78.8	81.2	80.7	81.2	80.7
181 & 182	Percetakan dan aktiviti perkhidmatan berkaitan percetakan dan penerbitan semula media rakaman <i>Printing and service activities related to printing & reproduction of recorded media</i>	75.8	78.1	78.1	76.2	76.0	78.1	77.9	75.0
192	Pembuatan produk petroleum bertapis <i>Manufacture of refined petroleum products</i>	88.6	82.8	87.8	88.4	85.8	85.9	81.8	83.9
201	Pembuatan kimia asas, baja dan sebatian nitrogen, plastik dan getah sintetik dalam bentuk primer <i>Manufacture of basic chemicals, fertilizer and nitrogen compounds, plastics and synthetic rubber in primary forms</i>	78.6	78.3	80.4	80.6	85.4	82.2	84.0	84.6
202 & 203	Pembuatan produk kimia lain dan serat buatan manusia <i>Manufacture of other chemical products and man-made fibres</i>	74.3	79.9	80.9	80.8	81.1	78.1	74.0	71.8
210	Pembuatan produk farmaseutikal, kimia perubatan dan botani <i>Manufacture of pharmaceuticals, medicinal chemical and botanical products</i>	69.3	71.2	72.5	76.5	74.8	72.9	76.0	74.6
221	Pembuatan produk getah <i>Manufacture of rubber products</i>	82.4	81.6	82.3	83.1	81.2	79.4	80.0	79.9
222	Pembuatan produk plastik <i>Manufacture of plastics products</i>	76.4	76.9	79.4	78.0	77.8	77.5	78.5	76.6

2019				2020				2021			
Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
72.1	71.5	73.2	75.2	86.5	84.3	86.3	84.1	85.5	79.7	75.4	80.2
72.0	73.1	71.8	72.1	69.3	71.5	71.0	71.3	70.1	71.3	69.8	70.2
67.7	63.3	63.0	67.7	62.8	60.9	66.0	67.3	67.7	63.4	60.1	65.6
72.9	73.8	71.6	66.8	71.7	78.7	71.5	62.4	73.4	76.6	80.7	68.8
63.4	64.6	67.1	69.5	73.5	71.9	73.8	72.9	74.1	71.4	64.6	65.7
67.7	67.7	68.4	67.2	64.9	57.5	59.6	57.9	59.1	58.7	61.8	58.9
80.4	80.2	78.7	76.4	75.5	76.4	81.1	83.1	80.7	80.7	80.5	78.2
68.6	73.2	73.2	75.6	74.1	72.4	73.8	72.5	68.5	72.1	72.4	70.2
67.6	70.1	71.6	76.4	68.0	54.5	67.5	71.2	66.9	62.7	64.1	75.5
78.1	77.4	77.2	74.8	66.8	47.9	70.4	53.6	80.3	55.1	32.1	77.9
65.7	64.9	65.6	66.0	69.9	48.3	65.3	66.5	81.0	77.0	67.2	69.5
78.5	78.0	77.8	77.7	76.3	68.9	75.8	74.0	71.8	72.5	70.9	79.5
85.1	86.8	87.6	88.2	76.4	61.4	72.8	75.6	78.7	76.5	70.9	79.2
74.3	88.4	83.3	78.6	62.0	48.8	57.5	63.2	61.4	61.9	56.2	63.9
74.9	78.0	79.6	81.4	63.8	54.5	67.4	70.5	66.5	61.2	66.4	76.2
76.7	80.3	79.9	82.6	81.9	69.0	78.0	80.6	80.8	83.3	67.5	70.2
74.2	76.3	75.4	75.2	69.1	65.1	70.7	70.1	69.8	66.0	66.9	69.8
75.0	73.8	72.5	72.3	66.7	61.5	70.2	70.1	68.7	69.1	66.4	72.4
78.2	79.1	78.7	80.2	74.4	68.4	75.7	77.1	77.6	75.3	70.4	73.3
72.8	74.3	74.1	73.0	67.2	50.1	78.8	70.1	71.2	68.7	66.5	71.1
74.4	79.8	83.5	83.7	65.7	50.9	67.0	68.3	78.7	77.3	64.2	63.2
81.1	83.8	81.7	83.3	76.1	72.3	77.9	80.0	83.1	79.9	80.0	83.3
77.8	78.5	75.8	74.4	70.8	50.9	69.6	70.2	71.7	71.0	68.9	72.0
72.9	75.0	74.5	70.6	73.0	70.5	76.0	75.1	72.9	71.2	74.4	71.2
79.5	79.9	80.5	81.1	80.9	80.0	82.9	83.9	81.3	80.5	73.6	81.1
75.4	77.1	76.2	77.4	74.0	69.7	76.5	77.5	76.2	73.2	70.9	76.3

2b Kapasiti Penggunaan Industri Pembuatan mengikut Kumpulan - Suku Tahunan

Manufacturing Industry Capacity Utilisation by Group – Quarterly

Kod Kumpulan Group Code	Keterangan Kumpulan Group Description	2022				2023				2024
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1
101	Pemprosesan dan pengawetan daging <i>Processing and preserving of meat</i>	79.0	80.7	82.7	81.3	85.8	88.2	91.9	89.7	89.1
102	Pemprosesan dan pengawetan ikan, krustasea dan moluska <i>Processing and preserving of fish, crustaceans and molluscs</i>	73.3	72.3	77.1	77.0	75.2	77.8	79.9	78.6	79.5
103	Pemprosesan dan pengawetan buah-buahan dan sayur-sayuran <i>Processing and preserving of fruits and vegetable</i>	78.8	80.0	77.7	78.9	79.5	78.4	79.8	82.4	85.4
104	Pembuatan minyak dan lemak daripada sayuran dan haiwan <i>Manufacture of vegetable and animal oils and fats</i>	64.7	65.8	69.1	70.3	65.9	70.2	76.6	76.4	71.1
105	Pembuatan produk tenusu <i>Manufacture of dairy products</i>	81.8	77.9	74.8	72.1	76.0	77.4	82.2	81.4	78.2
106	Pembuatan produk bijian, kanji dan produk berkanji <i>Manufacture of grain mill products, starches and starch products</i>	66.3	64.5	73.4	76.0	75.3	70.2	75.0	77.8	80.3
107	Pembuatan produk makanan lain <i>Manufacture of other food products</i>	81.7	81.6	87.6	84.6	87.9	81.2	83.3	83.6	85.3
108	Pembuatan makanan haiwan tersedia <i>Manufacture of prepared animal feeds</i>	74.9	79.1	83.5	82.4	79.9	82.2	82.9	82.2	77.3
110	Pembuatan minuman ringan <i>Manufacture of beverages</i>	83.2	80.5	81.8	80.7	77.9	80.3	80.2	81.8	81.1
120	Pembuatan produk tembakau <i>Manufacture of tobacco products</i>	98.2	91.7	68.8	77.8	93.6	89.5	84.4	89.8	94.8
131	Pemintalan, penenunan dan penyiapan tekstil <i>Spinning, weaving and finishing of textiles</i>	88.3	81.4	89.3	87.2	63.4	73.5	73.1	73.5	77.1
139	Pembuatan tekstil lain <i>Manufacture of other textiles</i>	82.3	87.0	84.0	77.9	87.5	87.2	86.4	86.6	86.5
141	Pembuatan pakaian, kecuali pakaian berbulu <i>Manufacture of wearing apparel, except fur apparel</i>	73.2	78.4	74.2	70.4	77.9	81.8	82.3	83.4	78.9
142 & 143	Pembuatan artikel daripada kulit bulu dan pakaian yang dikait dan dikrusye <i>Manufacture of articles of fur, knitted and crocheted apparel</i>	66.6	75.1	74.6	74.1	77.8	68.5	77.9	81.4	80.4
151	Penyamakan dan pembersihan kulit, pembuatan begasi, beg tangan, pelana dan abah-abah pembersihan dan pewarnaan bulu <i>Tanning and dressing of leather; manufacture of luggage, handbags, saddlery and harness; dressing and dyeing of fur</i>	87.9	82.7	93.6	94.6	95.0	80.6	78.8	78.0	87.5
152	Pembuatan kasut <i>Manufacture of footwear</i>	87.5	90.9	91.4	91.0	78.9	85.9	80.9	84.8	86.3
161	Pengilangan dan pengetaman kayu <i>Sawmilling and planning of wood</i>	74.2	78.8	78.9	77.4	75.1	78.2	76.0	75.1	78.6
162	Pembuatan produk daripada kayu, gabus, jerami dan bahan jalinan lain <i>Manufacture of products of wood, cork, straw and plaiting materials</i>	72.1	71.7	71.7	68.5	66.1	66.5	70.5	71.5	70.1
170	Pembuatan kertas dan produk kertas <i>Manufacture of paper and paper products</i>	82.7	79.3	78.4	76.6	77.3	76.6	77.7	78.9	78.3
181 & 182	Percetakan dan aktiviti perkhidmatan berkaitan percetakan dan penerbitan semula media rakaman <i>Printing and service activities related to printing & reproduction of recorded media</i>	72.2	77.4	77.1	79.4	79.4	83.3	83.4	84.8	83.2
192	Pembuatan produk petroleum bertapis <i>Manufacture of refined petroleum products</i>	84.4	74.7	81.6	85.7	82.2	73.4	74.2	76.1	84.2
201	Pembuatan kimia asas, baja dan sebatian nitrogen, plastik dan getah sintetik dalam bentuk primer <i>Manufacture of basic chemicals, fertilizer and nitrogen compounds, plastics and synthetic rubber in primary forms</i>	81.0	80.0	79.4	80.3	80.4	82.6	82.9	80.0	77.7
202 & 203	Pembuatan produk kimia lain dan serat buatan manusia <i>Manufacture of other chemical products and man-made fibres</i>	78.2	74.7	72.4	69.5	70.2	71.9	79.6	80.0	82.2
210	Pembuatan produk farmaseutikal, kimia perubatan dan botani <i>Manufacture of pharmaceuticals, medicinal chemical and botanical products</i>	76.7	79.8	86.4	77.0	82.8	81.0	83.3	83.2	86.3
221	Pembuatan produk getah <i>Manufacture of rubber products</i>	82.1	81.4	77.6	76.5	77.5	77.8	77.9	76.6	82.4
222	Pembuatan produk plastik <i>Manufacture of plastics products</i>	80.0	79.7	81.4	80.7	80.4	78.7	79.6	80.4	80.1

Kod Kumpulan Group Code	Keterangan Kumpulan Group Description	2017				2018			
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
231	Pembuatan kaca dan produk kaca <i>Manufacture of glass and glass products</i>	81.4	80.8	81.6	81.6	80.9	79.2	77.3	78.7
239	Pembuatan pengeluaran galian bukan logam t.t.t.l. <i>Manufacture of non-metallic mineral products n.e.c.</i>	72.4	70.3	69.8	71.9	71.6	71.4	73.3	71.1
241	Pembuatan besi dan keluli asas <i>Manufacture of basic iron and steel</i>	77.2	71.3	79.2	78.8	79.9	78.0	79.2	75.2
242	Pembuatan logam asas berharga dan logam bukan ferus lain <i>Manufacture of basic precious and other non-ferrous metals</i>	81.1	81.7	79.6	80.1	74.3	74.8	75.0	79.7
243	Pengacuan logam <i>Casting of metals</i>	72.5	74.1	72.3	73.2	70.0	72.7	76.7	76.7
251 & 252	Pembuatan produk struktur logam, tangki, takungan, penjana wap, senjata dan peluru <i>Manufacture of structural metal products, tanks, reservoirs, steam generators, weapons and ammunition</i>	75.9	77.1	77.5	78.1	78.3	78.3	76.8	77.2
259	Pembuatan lain-lain produk yang direka daripada logam; aktiviti perkhidmatan kerja logam <i>Manufacture of other fabricated metal products; metal working service activities</i>	74.0	72.8	72.4	74.8	77.3	76.8	78.2	78.9
261	Pembuatan komponen dan papan elektronik <i>Manufacture of electronic components and boards</i>	85.4	84.4	86.2	86.5	85.2	84.9	84.5	82.6
262	Pembuatan komputer dan kelengkapan peranti <i>Manufacture of computers and peripheral equipment</i>	64.7	65.0	69.3	70.7	70.0	71.3	68.0	64.7
263	Pembuatan peralatan komunikasi <i>Manufacture of communication equipment</i>	78.9	59.6	69.6	76.0	79.2	77.9	79.3	75.5
264	Pembuatan peralatan elektronik pengguna <i>Manufacture of consumer electronics</i>	74.0	81.3	88.2	76.2	69.5	70.2	83.0	70.4
265	Pembuatan kelengkapan mengukur, menguji, memandu arah dan kawalan; jam tangan dan jam <i>Manufacture of measuring, testing, navigating and control equipment; watches and clocks</i>	67.9	67.6	75.0	68.9	70.8	65.4	74.7	68.4
266	Pembuatan peralatan penyinaran, perubatan elektro dan elektroterapeutik <i>Manufacture of irradiation, electromedical and electrotherapeutic equipment</i>	80.3	76.7	86.7	94.1	58.8	55.7	51.2	52.9
267 & 268	Pembuatan peralatan optikal, kelengkapan fotografi, media magnetik dan optikal <i>Manufacture of optical instruments, photographic equipment, magnetic and optical media</i>	85.2	88.2	83.5	88.6	89.1	81.0	73.3	64.7
271	Pembuatan motor elektrik, penjana, transformer dan perkakasan pengagihan dan pengawalan elektrik <i>Manufacture of electric motors, generators, transformers and electricity distribution and control apparatus</i>	78.3	76.9	76.3	76.6	77.3	77.2	78.4	75.8
272	Pembuatan bateri dan akumulator <i>Manufacture of batteries and accumulators</i>	90.7	94.5	94.7	93.1	83.5	84.0	82.8	89.5
273	Pembuatan pendawaian dan peranti pendawaian <i>Manufacture of wiring and wiring devices</i>	82.5	78.8	78.1	76.0	78.1	76.8	74.7	74.8
274	Pembuatan kelengkapan pencahayaan elektrik <i>Manufacture of electric lighting equipment</i>	64.3	62.5	70.5	69.1	68.6	72.3	68.7	64.3
275	Pembuatan perkakasan domestik <i>Manufacture of domestic appliances</i>	70.6	79.7	88.8	86.7	87.7	92.8	82.9	84.6
279	Pembuatan kelengkapan elektrik lain <i>Manufacture of other electrical equipment</i>	85.9	85.5	88.7	87.9	87.5	87.0	87.8	88.0
281 & 282	Pembuatan jentera kegunaan umum dan kegunaan khas <i>Manufacture of general-purpose and special-purpose machinery</i>	77.9	76.5	74.9	75.6	78.9	76.4	75.9	74.6
291	Pembuatan kenderaan bermotor <i>Manufacture of motor vehicles</i>	66.7	68.9	63.9	69.0	76.5	82.3	73.3	79.3
292	Pembuatan kerangka (coachwork) untuk kenderaan bermotor; pembuatan treler dan semi treler <i>Manufacture of bodies (coachwork) for motor vehicles; manufacture of trailers and semi-trailers</i>	75.7	77.3	77.5	78.2	76.8	76.1	75.8	72.8
293	Pembuatan alat ganti dan aksesori untuk kenderaan bermotor <i>Manufacture of parts and accessories for motor vehicles</i>	74.7	73.2	75.9	77.1	79.9	78.4	76.7	77.2
301	Pembinaan kapal dan bot <i>Building of ships and boats</i>	81.8	73.3	75.6	75.5	67.6	74.5	67.8	73.0
302, 303, 304 & 309	Pembuatan lokomotif keretapi, rolling stock, kapal angkasa dan udara, jentera berkaitan, kenderaan tempur ketenteraan dan kelengkapan pengangkutan t.t.t.l. <i>Manufacture of railway locomotives, rolling stock, air and spacecraft, related machinery, military fighting vehicles and transport equipment n.e.c.</i>	78.2	75.6	78.1	79.8	79.6	71.1	76.2	79.4

2b Kapasiti Penggunaan Industri Pembuatan mengikut Kumpulan - Suku Tahunan

Manufacturing Industry Capacity Utilisation by Group – Quarterly

Kod Kumpulan Group Code	Keterangan Kumpulan Group Description	2019				2020			
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
231	Pembuatan kaca dan produk kaca <i>Manufacture of glass and glass products</i>	77.7	75.2	73.2	73.1	73.1	66.2	71.2	69.7
239	Pembuatan pengeluaran galian bukan logam t.t.t.l. <i>Manufacture of non-metallic mineral products n.e.c.</i>	70.9	71.1	71.8	72.9	63.1	51.3	68.7	69.7
241	Pembuatan besi dan keluli asas <i>Manufacture of basic iron and steel</i>	71.3	74.9	78.0	75.9	66.9	56.3	67.6	69.7
242	Pembuatan logam asas berharga dan logam bukan ferus lain <i>Manufacture of basic precious and other non-ferrous metals</i>	76.3	76.7	76.8	77.8	72.5	67.2	75.5	76.7
243	Pengacuan logam <i>Casting of metals</i>	76.1	76.2	75.5	74.6	70.3	60.2	71.7	71.3
251 & 252	Pembuatan produk struktur logam, tangki, takungan, penjana wap, senjata dan peluru <i>Manufacture of structural metal products, tanks, reservoirs, steam generators, weapons and ammunition</i>	77.7	76.6	77.0	77.3	71.4	62.4	72.2	72.1
259	Pembuatan lain-lain produk yang direka daripada logam; aktiviti perkhidmatan kerja logam <i>Manufacture of other fabricated metal products; metal working service activities</i>	76.6	77.2	76.2	76.0	71.8	62.3	74.2	74.7
261	Pembuatan komponen dan papan elektronik <i>Manufacture of electronic components and boards</i>	81.6	80.8	81.9	82.2	76.4	66.5	77.8	81.4
262	Pembuatan komputer dan kelengkapan peranti <i>Manufacture of computers and peripheral equipment</i>	58.2	59.0	67.5	68.8	63.2	58.4	59.6	56.8
263	Pembuatan peralatan komunikasi <i>Manufacture of communication equipment</i>	78.0	68.1	76.2	75.3	73.1	64.2	79.6	80.4
264	Pembuatan peralatan elektronik pengguna <i>Manufacture of consumer electronics</i>	69.6	84.1	83.5	73.0	63.6	47.0	71.2	67.8
265	Pembuatan kelengkapan mengukur, menguji, memandu arah dan kawalan; jam tangan dan jam <i>Manufacture of measuring, testing, navigating and control equipment; watches and clocks</i>	70.4	70.5	67.3	66.8	62.8	53.3	66.9	70.7
266	Pembuatan peralatan penyinaran, perubatan elektro dan elektroterapeutik <i>Manufacture of irradiation, electromedical and electrotherapeutic equipment</i>	56.8	58.8	63.8	63.0	74.1	58.2	69.0	72.9
267 & 268	Pembuatan peralatan optikal, kelengkapan fotografi, media magnetik dan optikal <i>Manufacture of optical instruments, photographic equipment, magnetic and optical media</i>	60.8	64.9	70.7	66.0	60.4	62.1	83.7	74.0
271	Pembuatan motor elektrik, penjana, transformer dan perkakasan pengagihan dan pengawalan elektrik <i>Manufacture of electric motors, generators, transformers and electricity distribution and control apparatus</i>	78.1	79.4	78.2	79.8	72.6	70.3	79.0	77.1
272	Pembuatan bateri dan akumulator <i>Manufacture of batteries and accumulators</i>	90.9	89.5	80.7	75.5	62.6	47.5	74.3	73.2
273	Pembuatan pendawaian dan peranti pendawaian <i>Manufacture of wiring and wiring devices</i>	76.7	75.9	75.7	75.3	71.2	61.5	72.1	70.2
274	Pembuatan kelengkapan pencahayaan elektrik <i>Manufacture of electric lighting equipment</i>	63.5	68.0	67.5	69.9	56.9	56.7	67.7	68.6
275	Pembuatan perkakasan domestik <i>Manufacture of domestic appliances</i>	86.8	78.6	83.8	88.8	75.5	54.2	74.0	72.3
279	Pembuatan kelengkapan elektrik lain <i>Manufacture of other electrical equipment</i>	83.4	85.7	88.0	87.9	85.9	82.2	85.2	85.5
281 & 282	Pembuatan jentera kegunaan umum dan kegunaan khas <i>Manufacture of general-purpose and special-purpose machinery</i>	74.9	75.8	75.1	76.8	71.0	65.1	73.1	78.4
291	Pembuatan kenderaan bermotor <i>Manufacture of motor vehicles</i>	80.3	74.1	78.8	79.7	67.0	41.5	69.6	70.6
292	Pembuatan kerangka (coachwork) untuk kenderaan bermotor; pembuatan treler dan semi treler <i>Manufacture of bodies (coachwork) for motor vehicles; manufacture of trailers and semi-trailers</i>	75.2	80.0	77.4	77.1	73.5	58.1	71.3	78.9
293	Pembuatan alat ganti dan aksesori untuk kenderaan bermotor <i>Manufacture of parts and accessories for motor vehicles</i>	80.2	82.5	78.1	79.1	71.1	52.7	73.9	75.7
301	Pembinaan kapal dan bot <i>Building of ships and boats</i>	74.1	79.1	76.3	70.5	75.7	51.3	61.6	64.8
302, 303, 304 & 309	Pembuatan lokomotif keretapi, rolling stock, kapal angkasa dan udara, jentera berkaitan, kenderaan tempur ketenteraan dan kelengkapan pengangkutan t.t.t.l. <i>Manufacture of railway locomotives, rolling stock, air and spacecraft, related machinery, military fighting vehicles and transport equipment n.e.c.</i>	83.0	80.4	80.5	80.5	81.1	67.5	78.2	85.6

2021				2022				2023				2024
Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1
71.0	73.0	72.7	79.0	85.7	87.1	87.5	80.1	60.8	74.1	81.4	85.1	88.1
71.4	64.9	62.4	69.8	77.9	79.6	81.0	79.0	79.8	81.3	83.6	85.7	85.5
69.2	59.5	61.4	67.5	76.2	75.3	77.9	77.9	79.1	79.1	80.1	81.4	81.5
78.3	76.3	70.9	82.1	81.5	78.1	80.0	72.1	76.9	74.7	78.4	79.8	78.6
65.9	61.2	60.3	72.9	78.6	78.9	76.8	72.9	80.4	75.2	73.5	72.9	75.9
77.3	75.2	75.3	78.1	81.0	75.8	76.9	78.4	92.4	89.9	85.3	85.4	85.4
76.0	69.3	63.7	71.1	79.7	77.4	77.0	78.9	78.1	76.7	79.6	81.7	82.1
82.0	81.3	79.0	82.6	86.3	82.6	86.7	84.4	82.1	82.1	81.0	78.5	76.8
63.1	67.3	62.9	61.3	69.4	69.7	76.3	66.0	60.8	56.6	59.3	70.9	75.6
80.8	79.7	76.7	75.5	78.4	77.9	75.6	78.8	80.5	80.6	84.5	81.5	77.5
66.8	76.3	74.7	84.1	70.3	74.6	69.7	70.8	78.8	83.5	82.4	80.0	76.1
69.9	69.6	65.0	66.0	75.7	80.5	85.7	83.6	78.2	75.5	80.6	83.6	80.9
66.2	66.7	67.0	72.9	81.3	81.6	80.7	83.3	86.3	91.3	90.4	90.2	92.7
70.3	64.9	57.3	81.9	82.5	78.9	88.8	87.1	86.8	84.0	86.7	82.4	85.7
76.2	76.5	73.6	84.2	82.2	80.9	84.5	84.1	84.3	79.4	80.2	80.5	79.5
77.9	87.6	81.6	82.7	76.9	88.0	81.3	77.9	67.0	80.5	81.7	81.6	81.2
72.1	71.3	70.4	77.6	80.3	81.4	81.3	77.9	83.2	81.4	82.7	83.4	82.8
68.9	61.8	63.2	74.0	77.6	74.0	79.0	77.8	76.7	81.2	86.1	88.7	89.0
76.9	74.8	68.4	81.6	83.4	73.4	90.7	90.0	85.6	79.0	90.6	77.3	78.4
89.1	88.9	86.0	87.7	89.9	87.4	90.8	85.7	71.2	66.3	68.4	82.0	80.0
76.3	71.3	70.4	78.4	81.6	82.3	83.6	80.1	79.2	84.1	84.3	84.3	83.7
76.9	55.6	42.0	76.8	82.7	77.4	84.6	75.9	87.3	83.5	83.4	85.0	91.4
59.7	60.2	63.7	73.6	61.7	83.8	79.3	82.8	67.5	67.5	81.0	74.9	67.2
80.1	77.3	72.7	79.7	83.8	87.9	89.4	89.3	85.5	81.2	79.6	77.5	81.6
62.8	68.3	74.9	68.8	75.8	75.6	74.3	73.8	68.3	69.1	65.3	77.1	77.1
84.1	78.6	55.5	70.5	81.2	84.6	86.0	86.3	87.1	82.0	90.0	87.1	88.1

Jadual Statistik

Statistical Table

2b Kapasiti Penggunaan Industri Pembuatan mengikut Kumpulan - Suku Tahunan
Manufacturing Industry Capacity Utilisation by Group – Quarterly

Kod Kumpulan Group Code	Keterangan Kumpulan Group Description	2017				2018			
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
310	Pembuatan perabot <i>Manufacture of furniture</i>	82.1	80.3	81.3	82.2	79.9	80.2	79.7	80.2
321	Pembuatan barang kemas, bijouterie dan artikel berkaitan <i>Manufacture of jewellery, bijouterie and related articles</i>	76.2	76.6	79.0	72.8	77.0	76.0	71.9	77.3
322, 325 & 329	Pembuatan instrumen muzik, peralatan dan bekalan perubatan dan pergigian dan pembuatan lain t.t.t.l. <i>Manufacture of musical instruments, medical and dental instruments and supplies and other manufacturing n.e.c.</i>	74.0	73.5	73.3	72.3	67.3	67.7	69.2	70.1
323	Pembuatan barangan sukan <i>Manufacture of sports goods</i>	70.8	76.8	78.0	75.6	72.8	74.9	73.1	75.2
324	Pembuatan permainan dan mainan <i>Manufacture of games and toys</i>	69.6	66.3	61.6	60.3	58.9	68.3	74.5	78.0
331 & 332	Pembaikan pemasangan produk logam, jentera dan kelengkapan serta pemasangan jentera perindustrian dan kelengkapan <i>Repair of fabricated metal products, machinery and equipment and installation of industrial machinery and equipment</i>	80.4	80.5	83.1	81.2	81.8	73.6	76.2	74.8
Malaysia		79.1	77.7	80.1	80.0	79.7	79.4	79.1	78.3

2019				2020				2021			
Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
80.1	78.3	79.6	81.6	75.9	51.2	72.8	75.5	74.0	67.6	63.7	75.7
73.5	78.1	75.3	79.6	66.6	54.0	74.5	76.4	72.0	71.9	61.3	67.6
71.1	73.0	74.6	69.4	74.7	65.2	79.8	76.1	76.5	72.4	72.8	78.6
74.7	73.8	72.5	72.9	71.2	63.5	75.3	75.8	76.7	76.0	70.7	75.7
69.8	75.8	79.3	66.8	71.3	69.0	85.0	71.5	64.3	49.1	49.7	67.0
68.9	69.3	71.1	72.4	70.5	66.1	73.3	72.3	73.7	70.1	66.9	72.5
76.1	77.7	78.8	78.7	71.2	60.8	73.0	74.1	76.7	74.3	69.6	75.1

2b Kapasiti Penggunaan Industri Pembuatan mengikut Kumpulan - Suku Tahunan
Manufacturing Industry Capacity Utilisation by Group – Quarterly

Kod Kumpulan <i>Group Code</i>	Keterangan Kumpulan <i>Group Description</i>	2022				2023				2024
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1
310	Pembuatan perabot <i>Manufacture of furniture</i>	83.1	83.9	85.1	83.0	80.3	79.3	78.1	87.3	88.0
321	Pembuatan barang kemas, bijouterie dan artikel berkaitan <i>Manufacture of jewellery, bijouterie and related articles</i>	76.6	77.5	81.8	83.1	86.3	86.5	83.3	87.0	88.3
322, 325 & 329	Pembuatan instrumen muzik, peralatan dan bekalan perubatan dan pergigian dan pembuatan lain t.t.t.l. <i>Manufacture of musical instruments, medical and dental instruments and supplies and other manufacturing n.e.c.</i>	83.7	84.1	83.4	81.4	86.0	81.0	82.1	81.2	80.4
323	Pembuatan barangan sukan <i>Manufacture of sports goods</i>	91.9	94.9	88.0	84.6	98.5	87.5	90.7	89.4	87.4
324	Pembuatan permainan dan mainan <i>Manufacture of games and toys</i>	75.7	76.6	80.3	69.6	77.6	76.4	71.0	80.7	74.2
331 & 332	Pembaikan pemasangan produk logam, jentera dan kelengkapan serta pemasangan jentera perindustrian dan kelengkapan <i>Repair of fabricated metal products, machinery and equipment and installation of industrial machinery and equipment</i>	83.1	80.3	79.2	73.0	83.7	75.1	82.3	84.5	84.5
Malaysia		81.1	79.0	81.3	80.2	79.8	78.2	79.4	79.9	80.8

2c Kapasiti Penggunaan Industri Pembuatan mengikut Kumpulan - Bulanan

Manufacturing Industry Capacity Utilisation by Group – Monthly

Kod Kumpulan Group Code	Keterangan Kumpulan Group Description	2017									
		Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	
101	Pemprosesan dan pengawetan daging <i>Processing and preserving of meat</i>	78.7	79.8	65.1	65.2	64.9	59.4	62.1	69.8	68.6	
102	Pemprosesan dan pengawetan ikan, krustasea dan moluska <i>Processing and preserving of fish, crustaceans and molluscs</i>	71.1	67.0	65.5	66.9	69.9	71.5	72.7	74.4	68.3	
103	Pemprosesan dan pengawetan buah-buahan dan sayur-sayuran <i>Processing and preserving of fruits and vegetable</i>	54.4	57.0	59.2	60.9	69.2	65.0	65.2	57.4	56.9	
104	Pembuatan minyak dan lemak daripada sayuran dan haiwan <i>Manufacture of vegetable and animal oils and fats</i>	65.7	66.9	72.1	81.5	79.5	76.1	77.7	77.8	78.6	
105	Pembuatan produk tenusu <i>Manufacture of dairy products</i>	75.2	74.8	74.6	71.1	73.1	70.5	80.5	81.6	80.4	
106	Pembuatan produk bijian, kanji dan produk berkanji <i>Manufacture of grain mill products, starches and starch products</i>	67.9	67.0	66.5	65.6	65.3	63.1	67.4	68.7	63.5	
107	Pembuatan produk makanan lain <i>Manufacture of other food products</i>	79.7	80.6	78.8	82.1	81.6	79.2	76.5	76.7	78.2	
108	Pembuatan makanan haiwan tersedia <i>Manufacture of prepared animal feeds</i>	75.7	67.7	78.1	78.8	77.6	81.9	80.1	83.6	80.4	
110	Pembuatan minuman ringan <i>Manufacture of beverages</i>	69.6	61.4	62.7	64.1	74.8	68.6	76.0	72.5	69.2	
120	Pembuatan produk tembakau <i>Manufacture of tobacco products</i>	70.9	84.5	84.6	84.3	75.7	75.6	80.1	71.0	80.5	
131	Pemintalan, penenunan dan penyiapan tekstil <i>Spinning, weaving and finishing of textiles</i>	67.7	71.4	75.7	62.9	59.9	55.3	59.2	73.4	79.8	
139	Pembuatan tekstil lain <i>Manufacture of other textiles</i>	79.0	79.6	80.4	80.3	80.7	80.2	79.9	79.7	78.5	
141	Pembuatan pakaian, kecuali pakaian berbulu <i>Manufacture of wearing apparel, except fur apparel</i>	85.6	80.7	85.7	85.5	84.6	75.9	85.9	86.3	86.3	
142 & 143	Pembuatan artikel daripada kulit bulu dan pakaian yang dikait dan dikrusye <i>Manufacture of articles of fur, knitted and crocheted apparel</i>	62.6	53.8	65.4	71.8	71.6	73.6	63.7	78.7	71.0	
151	Penyamakan dan pembersihan kulit, pembuatan begasi, beg tangan, pelana dan abah-abah pembersihan dan pewarnaan bulu <i>Tanning and dressing of leather; manufacture of luggage, handbags, saddlery and harness; dressing and dyeing of fur</i>	84.5	82.6	87.6	85.1	81.0	79.0	82.6	86.7	80.6	
152	Pembuatan kasut <i>Manufacture of footwear</i>	83.4	82.0	82.4	80.6	80.7	81.7	77.4	76.8	75.1	
161	Pengilangan dan pengetaman kayu <i>Sawmilling and planing of wood</i>	75.5	74.7	74.6	76.6	76.3	70.4	76.8	77.4	75.1	
162	Pembuatan produk daripada kayu, gabus, jerami dan bahan jalinan lain <i>Manufacture of products of wood, cork, straw and plaiting materials</i>	76.1	73.7	75.7	74.7	75.3	71.3	74.2	74.2	73.2	
170	Pembuatan kertas dan produk kertas <i>Manufacture of paper and paper products</i>	77.6	77.1	78.3	79.1	80.3	74.9	80.1	77.0	77.2	
181 & 182	Percetakan dan aktiviti perkhidmatan berkaitan percetakan dan penerbitan semula media rakaman <i>Printing and service activities related to printing & reproduction of recorded media</i>	75.9	75.8	75.8	79.8	76.4	78.0	77.8	79.8	76.7	
192	Pembuatan produk petroleum bertapis <i>Manufacture of refined petroleum products</i>	90.0	89.4	86.2	76.1	81.8	90.7	90.8	88.3	84.4	
201	Pembuatan kimia asas, baja dan sebatian nitrogen, plastik dan getah sintetik dalam bentuk primer <i>Manufacture of basic chemicals, fertilizer and nitrogen compounds, plastics and synthetic rubber in primary forms</i>	79.9	77.8	78.0	76.1	75.5	83.2	79.6	79.1	82.7	
202 & 203	Pembuatan produk kimia lain dan serat buatan manusia <i>Manufacture of other chemical products and man-made fibres</i>	70.7	70.1	82.1	81.1	78.8	79.8	81.1	81.3	80.3	
210	Pembuatan produk farmaseutikal, kimia perubatan dan botani <i>Manufacture of pharmaceuticals, medicinal chemical and botanical products</i>	72.9	64.3	70.6	74.2	69.0	70.4	72.0	73.4	72.2	
221	Pembuatan produk getah <i>Manufacture of rubber products</i>	82.1	82.1	82.9	82.3	80.9	81.5	82.6	82.4	81.9	
222	Pembuatan produk plastik <i>Manufacture of plastics products</i>	75.7	75.9	77.5	76.6	76.6	77.3	78.9	80.2	79.2	

2c Kapasiti Penggunaan Industri Pembuatan mengikut Kumpulan - Bulanan

Manufacturing Industry Capacity Utilisation by Group – Monthly

Kod Kumpulan Group Code	Keterangan Kumpulan Group Description	2017		2018						
		Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.	Mei	Jun
101	Pemprosesan dan pengawetan daging <i>Processing and preserving of meat</i>	68.2	73.2	71.3	81.0	67.9	68.8	66.5	66.6	66.2
102	Pemprosesan dan pengawetan ikan, krustasea dan moluska <i>Processing and preserving of fish, crustaceans and molluscs</i>	72.0	72.1	70.9	75.6	73.1	76.2	74.8	74.6	72.7
103	Pemprosesan dan pengawetan buah-buahan dan sayur-sayuran <i>Processing and preserving of fruits and vegetable</i>	55.5	56.2	56.2	68.6	61.5	60.1	60.9	64.4	64.2
104	Pembuatan minyak dan lemak daripada sayuran dan haiwan <i>Manufacture of vegetable and animal oils and fats</i>	81.8	75.3	79.4	80.6	69.5	80.3	81.0	76.0	69.7
105	Pembuatan produk tenusu <i>Manufacture of dairy products</i>	80.1	80.3	83.3	78.8	82.3	81.5	80.6	79.5	64.2
106	Pembuatan produk bijian, kanji dan produk berkanji <i>Manufacture of grain mill products, starches and starch products</i>	67.3	66.3	65.5	62.6	59.5	60.9	61.6	61.3	60.9
107	Pembuatan produk makanan lain <i>Manufacture of other food products</i>	80.3	76.8	75.4	77.3	74.1	82.5	82.5	76.0	77.7
108	Pembuatan makanan haiwan tersedia <i>Manufacture of prepared animal feeds</i>	77.0	76.9	78.0	72.6	69.8	75.6	74.8	73.7	71.1
110	Pembuatan minuman ringan <i>Manufacture of beverages</i>	60.9	65.1	62.2	68.0	56.0	67.8	76.1	75.2	67.7
120	Pembuatan produk tembakau <i>Manufacture of tobacco products</i>	53.6	53.0	62.1	56.1	67.2	63.8	65.6	66.4	66.7
131	Pemintalan, penenunan dan penyiapan tekstil <i>Spinning, weaving and finishing of textiles</i>	72.8	63.9	71.2	64.7	54.6	55.2	65.1	65.8	91.3
139	Pembuatan tekstil lain <i>Manufacture of other textiles</i>	80.0	79.4	80.0	79.1	77.7	78.8	79.7	78.2	79.9
141	Pembuatan pakaian, kecuali pakaian berbulu <i>Manufacture of wearing apparel, except fur apparel</i>	87.6	88.0	89.5	87.4	85.4	88.7	87.9	88.2	85.8
142 & 143	Pembuatan artikel daripada kulit bulu dan pakaian yang dikait dan dikrusye <i>Manufacture of articles of fur, knitted and crocheted apparel</i>	73.7	65.9	71.7	87.7	85.0	86.8	84.7	86.6	86.1
151	Penyamakan dan pembersihan kulit, pembuatan begasi, beg tangan, pelana dan abah-abah pembersihan dan pewarnaan bulu <i>Tanning and dressing of leather; manufacture of luggage, handbags, saddlery and harness; dressing and dyeing of fur</i>	85.8	84.4	83.1	82.8	80.7	86.7	87.3	86.5	92.8
152	Pembuatan kasut <i>Manufacture of footwear</i>	73.9	73.8	76.3	77.4	75.1	77.9	77.7	77.6	75.9
161	Pengilangan dan pengetaman kayu <i>Sawmilling and planing of wood</i>	76.1	75.8	74.3	73.4	68.5	75.2	71.5	72.0	73.0
162	Pembuatan produk daripada kayu, gabus, jerami dan bahan jalinan lain <i>Manufacture of products of wood, cork, straw and plaiting materials</i>	77.8	75.7	77.8	77.0	70.8	77.7	77.1	76.5	73.2
170	Pembuatan kertas dan produk kertas <i>Manufacture of paper and paper products</i>	79.0	79.5	78.0	83.1	79.2	81.2	81.9	81.4	78.9
181 & 182	Percetakan dan aktiviti perkhidmatan berkaitan percetakan dan penerbitan semula media rakaman <i>Printing and service activities related to printing & reproduction of recorded media</i>	77.1	76.3	75.4	74.9	74.8	78.4	76.8	79.1	78.5
192	Pembuatan produk petroleum bertapis <i>Manufacture of refined petroleum products</i>	87.2	89.5	88.5	88.6	84.1	84.8	86.2	85.2	86.4
201	Pembuatan kimia asas, baja dan sebatian nitrogen, plastik dan getah sintetik dalam bentuk primer <i>Manufacture of basic chemicals, fertilizer and nitrogen compounds, plastics and synthetic rubber in primary forms</i>	82.7	78.5	80.5	85.3	86.4	84.4	81.5	85.0	80.2
202 & 203	Pembuatan produk kimia lain dan serat buatan manusia <i>Manufacture of other chemical products and man-made fibres</i>	81.6	80.9	80.1	75.2	80.6	87.4	73.0	81.3	80.0
210	Pembuatan produk farmaseutikal, kimia perubatan dan botani <i>Manufacture of pharmaceuticals, medicinal chemical and botanical products</i>	76.0	79.9	73.7	75.6	73.8	75.0	72.2	71.8	74.6
221	Pembuatan produk getah <i>Manufacture of rubber products</i>	83.5	82.9	82.8	82.3	79.8	81.7	79.9	79.6	78.6
222	Pembuatan produk plastik <i>Manufacture of plastics products</i>	78.5	78.3	77.3	78.2	77.1	78.1	78.9	77.6	76.0

2019														
Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.
67.2	66.0	67.0	66.4	67.4	66.3	70.7	73.3	72.3	71.1	72.6	70.9	72.3	73.0	74.2
72.4	70.3	73.3	72.7	73.1	72.1	73.0	68.7	74.3	74.2	73.3	71.7	71.8	70.0	73.7
64.1	69.3	63.8	61.4	63.5	66.2	75.9	64.9	62.2	64.3	63.8	61.7	62.6	64.3	62.2
78.8	79.5	77.5	85.9	84.1	81.6	67.7	80.1	70.9	71.7	79.2	70.3	71.3	71.6	71.8
74.9	76.5	70.6	77.0	72.7	70.9	63.4	61.2	65.4	67.6	65.4	60.8	67.9	67.7	65.6
61.7	61.1	58.7	59.1	60.0	58.9	68.3	66.5	68.3	68.5	68.2	66.5	66.7	69.3	69.2
74.3	74.7	80.4	82.2	80.2	80.6	78.6	80.0	82.5	82.4	80.7	77.4	79.9	77.4	78.9
77.9	73.2	73.0	72.2	71.4	73.5	67.5	67.0	71.2	73.1	74.9	71.5	73.7	74.0	72.0
81.7	80.7	68.6	74.8	69.7	76.0	74.3	63.4	65.2	71.6	72.7	66.1	68.8	72.6	73.5
66.8	66.0	67.0	66.0	65.5	66.4	77.6	77.3	79.2	90.0	69.8	72.5	74.4	80.9	76.4
65.2	65.8	62.7	69.7	62.1	63.6	66.1	64.3	66.6	66.4	64.3	63.9	65.7	65.6	65.6
78.1	79.5	73.8	73.9	74.2	79.3	78.7	78.4	78.5	78.7	77.0	78.3	77.9	78.2	77.3
88.9	87.1	85.7	88.2	86.0	87.8	86.3	81.9	87.1	86.6	88.1	85.8	89.2	87.6	86.1
87.5	86.3	83.8	86.2	86.0	85.5	76.5	72.0	74.5	79.6	92.7	92.9	87.3	83.1	79.5
93.1	89.2	82.1	81.3	81.5	79.7	70.0	75.9	78.9	78.1	81.4	74.5	80.9	79.0	78.8
77.1	76.9	77.1	78.3	76.8	76.9	78.6	74.2	77.4	81.2	78.7	80.9	78.8	81.5	79.4
75.7	73.7	75.8	74.3	75.4	74.0	77.9	68.3	76.3	76.8	77.3	74.7	74.3	74.9	76.9
76.6	76.9	76.0	76.7	76.3	77.4	76.1	72.7	76.4	76.7	73.6	71.1	72.5	74.2	71.0
81.6	81.6	80.5	81.6	79.8	80.8	78.9	75.8	79.9	80.4	81.5	75.4	79.2	78.1	78.8
79.2	78.7	75.8	75.9	73.4	75.5	72.5	72.7	73.0	75.0	73.9	74.1	73.8	75.3	73.3
85.8	79.6	80.0	76.4	87.0	88.2	73.8	77.4	71.9	72.8	80.0	86.5	83.4	82.4	84.8
84.8	83.2	84.1	84.7	85.6	83.5	80.0	84.5	78.7	82.0	85.0	84.4	82.8	79.6	82.9
80.0	65.0	77.0	62.8	77.5	75.1	76.9	77.5	79.0	75.5	82.1	77.7	77.3	78.1	71.8
79.5	75.9	72.6	75.4	73.1	75.4	75.8	71.7	71.4	76.1	75.4	73.6	76.1	75.7	71.9
80.2	80.0	79.8	80.6	79.4	79.6	79.9	79.1	79.6	79.0	80.4	80.4	80.6	81.2	79.7
80.1	78.9	76.3	77.6	75.8	76.3	76.5	73.6	76.0	78.1	78.2	74.9	77.4	76.0	75.4

2c Kapasiti Penggunaan Industri Pembuatan mengikut Kumpulan - Bulanan

Manufacturing Industry Capacity Utilisation by Group – Monthly

Kod Kumpulan Group Code	Keterangan Kumpulan Group Description	2019		2020							
		Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.	Mei	Jun	
101	Pemprosesan dan pengawetan daging <i>Processing and preserving of meat</i>	75.4	75.4	74.8	88.9	88.4	82.2	81.7	85.8	85.3	
102	Pemprosesan dan pengawetan ikan, krustasea dan moluska <i>Processing and preserving of fish, crustaceans and molluscs</i>	74.7	72.2	69.3	70.0	69.4	68.4	68.9	72.7	72.9	
103	Pemprosesan dan pengawetan buah-buahan dan sayur-sayuran <i>Processing and preserving of fruits and vegetable</i>	64.6	68.6	69.8	66.0	68.6	53.9	54.8	60.3	67.6	
104	Pembuatan minyak dan lemak daripada sayuran dan haiwan <i>Manufacture of vegetable and animal oils and fats</i>	68.6	66.4	65.4	65.7	68.6	80.8	76.8	79.8	79.6	
105	Pembuatan produk tenusu <i>Manufacture of dairy products</i>	65.9	68.5	74.1	73.4	80.6	66.6	67.4	71.7	76.7	
106	Pembuatan produk bijian, kanji dan produk berkanji <i>Manufacture of grain mill products, starches and starch products</i>	67.1	67.5	67.1	69.6	69.8	55.4	49.3	68.8	54.4	
107	Pembuatan produk makanan lain <i>Manufacture of other food products</i>	74.8	76.7	77.9	78.3	75.6	72.5	70.7	75.5	83.1	
108	Pembuatan makanan haiwan tersedia <i>Manufacture of prepared animal feeds</i>	76.8	74.3	75.6	73.8	74.5	74.0	74.6	71.8	70.9	
110	Pembuatan minuman ringan <i>Manufacture of beverages</i>	75.9	76.2	77.1	71.4	73.6	58.9	49.8	50.9	62.9	
120	Pembuatan produk tembakau <i>Manufacture of tobacco products</i>	77.4	75.6	71.5	73.9	72.5	54.0	1.6	73.6	68.6	
131	Pemintalan, penenunan dan penyiapan tekstil <i>Spinning, weaving and finishing of textiles</i>	66.9	66.7	64.4	75.2	73.3	61.1	30.5	49.7	64.6	
139	Pembuatan tekstil lain <i>Manufacture of other textiles</i>	77.5	77.9	77.8	78.1	77.3	73.5	61.0	71.9	73.8	
141	Pembuatan pakaian, kecuali pakaian berbulu <i>Manufacture of wearing apparel, except fur apparel</i>	86.5	87.4	90.8	78.9	80.2	70.1	52.9	60.1	71.1	
142 & 143	Pembuatan artikel daripada kulit bulu dan pakaian yang dikait dan dikrusye <i>Manufacture of articles of fur, knitted and crocheted apparel</i>	84.3	78.0	73.4	67.6	66.6	51.7	35.0	57.4	54.1	
151	Penyamakan dan pembersihan kulit, pembuatan begasi, beg tangan, pelana dan abah-abah pembersihan dan pewarnaan bulu <i>Tanning and dressing of leather; manufacture of luggage, handbags, saddlery and harness; dressing and dyeing of fur</i>	80.6	80.5	83.2	74.6	68.6	48.3	35.5	58.3	69.6	
152	Pembuatan kasut <i>Manufacture of footwear</i>	83.4	80.8	83.7	83.2	85.0	77.6	52.9	78.5	75.6	
161	Pengilangan dan pengetaman kayu <i>Sawmilling and planing of wood</i>	77.4	77.1	71.2	73.9	74.6	58.9	56.7	66.5	72.2	
162	Pembuatan produk daripada kayu, gabus, jerami dan bahan jalinan lain <i>Manufacture of products of wood, cork, straw and plaiting materials</i>	73.6	71.4	71.9	69.8	70.5	59.9	54.4	60.0	70.1	
170	Pembuatan kertas dan produk kertas <i>Manufacture of paper and paper products</i>	79.7	81.2	79.7	78.5	78.6	66.1	61.8	68.1	75.2	
181 & 182	Percetakan dan aktiviti perkhidmatan berkaitan percetakan dan penerbitan semula media rakaman <i>Printing and service activities related to printing & reproduction of recorded media</i>	72.1	73.5	73.3	71.8	71.7	58.2	29.7	42.5	78.2	
192	Pembuatan produk petroleum bertapis <i>Manufacture of refined petroleum products</i>	81.6	85.6	83.8	67.5	69.2	60.3	32.0	54.2	66.6	
201	Pembuatan kimia asas, baja dan sebatian nitrogen, plastik dan getah sintetik dalam bentuk primer <i>Manufacture of basic chemicals, fertilizer and nitrogen compounds, plastics and synthetic rubber in primary forms</i>	83.2	84.2	82.4	78.0	79.4	70.8	63.0	78.1	75.8	
202 & 203	Pembuatan produk kimia lain dan serat buatan manusia <i>Manufacture of other chemical products and man-made fibres</i>	72.8	77.1	73.4	76.6	74.0	62.0	45.3	48.3	59.2	
210	Pembuatan produk farmaseutikal, kimia perubatan dan botani <i>Manufacture of pharmaceuticals, medicinal chemical and botanical products</i>	72.3	72.1	67.5	76.2	73.5	69.2	69.4	68.6	73.6	
221	Pembuatan produk getah <i>Manufacture of rubber products</i>	80.6	81.2	81.6	82.7	82.4	77.7	80.1	78.1	81.7	
222	Pembuatan produk plastik <i>Manufacture of plastics products</i>	77.0	77.9	77.5	78.2	76.4	67.3	61.2	71.5	76.6	

2021														
Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.
87.3	86.9	84.8	83.2	84.5	84.5	88.0	84.0	84.4	83.9	78.3	76.9	73.1	76.5	76.7
73.2	70.9	68.9	71.2	71.4	71.3	69.6	69.9	70.9	71.2	71.7	71.0	69.9	68.9	70.5
70.7	63.5	63.8	63.1	65.3	73.6	72.9	63.9	66.5	65.9	67.0	57.2	58.5	64.8	57.0
76.0	69.0	69.5	64.8	61.9	60.5	68.9	69.0	82.2	81.7	70.6	77.5	81.4	79.1	81.6
73.0	73.9	74.4	73.2	72.7	72.9	74.0	73.4	74.7	73.5	69.2	71.7	67.0	67.4	59.5
52.0	70.3	56.7	51.0	68.1	54.4	58.7	58.9	59.6	59.7	58.2	58.3	61.5	61.1	62.7
78.2	81.7	83.3	85.1	80.7	83.5	80.6	77.5	83.9	80.7	80.0	81.5	81.1	79.6	80.7
75.0	74.7	71.9	74.9	70.8	71.8	70.6	64.6	70.2	72.7	71.5	72.0	75.8	71.6	69.6
65.0	66.6	71.0	72.0	70.2	71.2	69.6	61.9	69.1	68.4	61.6	58.0	57.3	61.1	74.0
76.0	73.2	62.1	53.4	52.1	55.4	78.4	81.1	81.4	76.3	79.3	9.7	8.8	9.9	77.6
65.4	65.2	65.2	66.0	66.6	67.0	75.6	86.7	80.6	83.8	76.5	70.7	71.5	62.2	67.8
76.0	75.5	75.9	74.0	74.1	74.1	74.6	69.9	70.9	72.4	76.9	68.1	67.2	71.6	74.1
69.4	73.6	75.3	75.8	74.2	76.9	80.6	76.9	78.6	79.7	79.1	70.6	69.1	71.6	72.1
59.5	54.0	59.2	65.1	64.2	60.2	69.6	57.4	57.2	54.0	53.8	78.0	75.3	39.7	53.6
70.2	65.6	66.5	63.8	72.6	75.3	68.1	65.6	65.7	68.4	65.5	49.8	63.2	58.0	77.9
77.4	77.9	78.6	79.5	81.7	80.6	78.8	79.3	84.2	83.1	82.1	84.6	67.7	66.1	68.7
68.4	71.4	72.4	71.3	69.7	69.4	70.2	68.8	70.4	69.7	68.1	60.1	64.7	68.0	68.1
70.6	69.6	70.4	69.0	70.7	70.7	67.9	68.5	69.7	69.6	71.5	66.3	63.4	67.1	68.8
75.9	74.5	76.6	77.2	77.0	77.0	79.7	75.1	78.1	76.8	75.5	73.7	70.8	68.4	71.9
85.1	70.5	80.7	70.8	69.5	70.0	70.3	70.8	72.6	70.9	68.5	66.8	65.2	67.0	67.4
65.3	66.6	69.2	73.4	62.6	69.0	78.8	79.2	78.0	78.0	79.1	74.7	74.3	64.5	53.8
77.8	76.0	80.0	81.7	80.6	77.8	84.7	84.2	80.4	78.9	84.2	76.7	78.6	77.4	84.1
65.2	70.5	73.0	69.8	69.1	71.7	72.8	70.1	72.0	71.8	68.3	72.7	68.6	65.5	72.7
73.4	77.1	77.6	76.0	72.0	77.5	72.1	74.1	72.4	75.0	69.8	68.9	72.3	74.3	76.7
82.8	82.9	83.1	83.5	83.7	84.4	81.7	79.2	82.9	82.3	81.6	77.6	73.5	71.2	76.0
77.1	75.7	76.8	77.4	77.2	77.8	75.4	75.8	77.3	75.8	72.8	70.9	67.6	70.0	75.2

2c Kapasiti Penggunaan Industri Pembuatan mengikut Kumpulan - Bulanan

Manufacturing Industry Capacity Utilisation by Group – Monthly

Kod Kumpulan Group Code	Keterangan Kumpulan Group Description	2021		2022							
		Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.	Mei	Jun	
101	Pemprosesan dan pengawetan daging <i>Processing and preserving of meat</i>	79.8	80.2	80.6	81.3	76.5	79.1	80.6	81.1	80.4	
102	Pemprosesan dan pengawetan ikan, krustasea dan moluska <i>Processing and preserving of fish, crustaceans and molluscs</i>	71.2	68.4	71.2	74.6	69.5	75.8	71.5	71.6	73.8	
103	Pemprosesan dan pengawetan buah-buahan dan sayur-sayuran <i>Processing and preserving of fruits and vegetable</i>	56.8	64.8	75.2	82.8	73.1	80.6	78.7	77.1	84.0	
104	Pembuatan minyak dan lemak daripada sayuran dan haiwan <i>Manufacture of vegetable and animal oils and fats</i>	71.9	69.2	65.3	66.2	62.6	65.1	59.1	69.6	68.7	
105	Pembuatan produk tenusu <i>Manufacture of dairy products</i>	67.2	59.4	70.6	84.6	80.0	80.7	81.8	77.8	74.1	
106	Pembuatan produk bijian, kanji dan produk berkanji <i>Manufacture of grain mill products, starches and starch products</i>	58.7	58.4	59.8	73.0	58.8	67.1	55.0	65.1	73.3	
107	Pembuatan produk makanan lain <i>Manufacture of other food products</i>	79.4	76.8	78.5	84.2	76.2	84.6	71.5	86.0	87.4	
108	Pembuatan makanan haiwan tersedia <i>Manufacture of prepared animal feeds</i>	68.0	72.2	70.5	82.5	66.3	75.7	75.6	78.6	83.0	
110	Pembuatan minuman ringan <i>Manufacture of beverages</i>	74.3	78.3	73.8	87.9	80.5	81.1	81.1	80.8	79.5	
120	Pembuatan produk tembakau <i>Manufacture of tobacco products</i>	80.8	81.0	72.0	97.9	99.1	97.7	79.1	99.3	96.8	
131	Pemintalan, penenunan dan penyiapan tekstil <i>Spinning, weaving and finishing of textiles</i>	69.2	69.6	69.9	88.5	86.2	90.0	82.4	78.4	83.4	
139	Pembuatan tekstil lain <i>Manufacture of other textiles</i>	78.8	79.8	80.0	87.0	81.0	79.0	89.6	86.5	84.9	
141	Pembuatan pakaian, kecuali pakaian berbulu <i>Manufacture of wearing apparel, except fur apparel</i>	77.5	79.7	80.6	73.1	70.6	75.9	78.6	81.1	75.6	
142 & 143	Pembuatan artikel daripada kulit bulu dan pakaian yang dikait dan dikrusye <i>Manufacture of articles of fur, knitted and crocheted apparel</i>	60.8	66.5	64.3	63.6	64.2	72.0	71.9	64.0	89.3	
151	Penyamakan dan pembersihan kulit, pembuatan begasi, beg tangan, pelana dan abah-abah pembersihan dan pewarnaan bulu <i>Tanning and dressing of leather; manufacture of luggage, handbags, saddlery and harness; dressing and dyeing of fur</i>	77.4	76.4	74.8	91.6	84.8	87.3	79.9	74.2	93.8	
152	Pembuatan kasut <i>Manufacture of footwear</i>	70.0	71.5	69.1	88.5	82.9	90.9	89.8	91.3	91.6	
161	Pengilangan dan pengetaman kayu <i>Sawmilling and planing of wood</i>	70.5	71.7	67.2	72.3	70.6	79.7	78.6	76.4	81.2	
162	Pembuatan produk daripada kayu, gabus, jerami dan bahan jalinan lain <i>Manufacture of products of wood, cork, straw and plaiting materials</i>	74.7	72.9	69.6	71.6	70.8	73.8	72.2	70.8	72.1	
170	Pembuatan kertas dan produk kertas <i>Manufacture of paper and paper products</i>	70.7	73.7	75.5	83.6	80.0	84.5	80.3	76.8	80.9	
181 & 182	Percetakan dan aktiviti perkhidmatan berkaitan percetakan dan penerbitan semula media rakaman <i>Printing and service activities related to printing & reproduction of recorded media</i>	71.7	71.3	70.4	73.0	73.2	70.5	75.9	75.9	80.5	
192	Pembuatan produk produk petroleum bertapis <i>Manufacture of refined petroleum products</i>	57.3	64.6	67.7	85.7	90.8	76.8	86.4	71.6	66.2	
201	Pembuatan kimia asas, baja dan sebatian nitrogen, plastik dan getah sintetik dalam bentuk primer <i>Manufacture of basic chemicals, fertilizer and nitrogen compounds, plastics and synthetic rubber in primary forms</i>	82.8	84.7	82.3	81.8	76.8	84.4	83.0	80.2	76.9	
202 & 203	Pembuatan produk kimia lain dan serat buatan manusia <i>Manufacture of other chemical products and man-made fibres</i>	69.1	73.4	73.5	76.6	78.3	79.6	71.8	76.1	76.1	
210	Pembuatan produk farmaseutikal, kimia perubatan dan botani <i>Manufacture of pharmaceuticals, medicinal chemical and botanical products</i>	69.8	72.4	71.3	78.6	71.1	80.4	78.5	76.3	84.6	
221	Pembuatan produk getah <i>Manufacture of rubber products</i>	79.5	82.1	81.7	83.3	80.4	82.6	83.0	80.4	80.7	
222	Pembuatan produk plastik <i>Manufacture of plastics products</i>	78.0	75.9	74.9	80.6	77.9	81.5	79.7	78.5	80.9	

2023														
Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.
82.9	82.0	83.1	81.0	81.7	81.4	85.2	86.0	86.1	88.2	88.5	87.9	90.6	90.8	94.2
77.7	75.3	78.4	76.1	77.1	78.0	77.7	73.4	74.7	76.8	80.0	76.5	79.6	81.3	78.7
81.6	76.3	75.3	71.9	86.3	78.6	72.9	83.9	81.5	79.4	77.7	78.1	79.6	79.0	80.9
67.9	70.5	68.7	71.6	74.1	65.2	64.8	67.3	65.7	66.3	73.0	71.4	74.6	75.7	79.5
78.2	74.6	71.7	78.2	69.9	68.1	72.9	76.7	78.3	75.4	80.6	76.2	83.0	79.4	84.2
71.1	73.6	75.4	74.7	76.1	77.1	76.6	75.2	74.0	65.0	73.9	71.7	73.7	72.9	78.3
88.3	89.1	85.4	84.8	83.1	85.9	88.8	85.1	89.7	79.8	81.0	82.8	80.9	84.4	84.6
84.8	84.7	80.9	81.9	81.1	84.2	82.5	78.8	78.5	81.5	83.0	82.0	83.5	83.8	81.5
82.6	82.4	80.4	79.9	78.8	83.5	79.0	77.3	77.3	78.3	82.5	80.0	80.1	80.2	80.5
74.3	54.6	77.6	77.5	56.5	99.6	92.7	91.5	96.8	92.9	93.4	82.3	82.0	81.7	89.4
86.1	87.1	94.5	87.1	86.0	88.6	58.3	65.5	66.5	72.0	71.3	77.2	72.4	73.7	73.2
84.9	83.4	83.6	81.2	81.6	71.1	82.4	86.8	93.1	85.9	87.9	87.7	87.2	85.5	86.4
77.5	71.8	73.2	68.6	69.2	73.3	77.9	72.8	82.9	81.7	81.5	82.3	81.3	82.5	83.2
86.6	70.7	66.4	67.0	72.4	83.0	85.9	74.1	73.4	48.1	79.4	77.9	76.5	78.3	78.9
90.7	95.5	94.5	93.7	95.5	94.6	97.0	93.8	94.1	77.8	82.2	81.8	77.8	78.9	79.6
90.7	93.2	90.2	90.5	90.3	92.1	86.1	74.5	76.1	85.9	87.0	84.8	79.9	79.3	83.4
78.6	79.4	78.9	75.5	77.6	79.1	73.7	76.0	75.6	78.6	77.3	78.7	77.0	75.3	75.7
69.6	73.8	71.6	71.6	67.4	66.6	65.9	65.8	66.6	65.3	68.3	65.7	67.6	72.1	71.9
79.5	78.1	77.6	77.9	75.4	76.5	74.6	77.3	79.9	76.5	75.6	77.6	77.0	77.4	78.6
76.7	77.6	77.0	76.1	81.7	80.3	78.2	79.8	80.3	82.8	83.8	83.2	82.9	83.4	83.8
79.8	80.1	85.0	84.7	86.4	85.9	85.9	79.4	81.4	72.8	73.5	74.0	74.4	74.6	73.5
80.7	82.3	75.2	82.1	80.5	78.1	80.3	81.0	79.8	81.0	82.7	83.9	83.4	83.6	81.7
69.3	75.9	72.2	70.1	70.9	67.7	67.1	67.2	76.1	66.6	71.8	77.2	78.6	81.5	78.8
86.7	88.2	84.2	82.2	79.2	69.5	79.6	85.8	83.1	80.7	80.6	81.6	81.2	83.5	85.1
77.3	78.9	76.5	78.3	76.4	74.7	77.0	76.3	79.1	75.2	77.9	80.4	77.7	78.0	77.8
80.7	81.1	82.5	81.9	80.0	80.3	79.9	80.4	80.9	76.7	80.5	78.9	79.0	80.2	79.5

2c Kapasiti Penggunaan Industri Pembuatan mengikut Kumpulan - Bulanan

Manufacturing Industry Capacity Utilisation by Group – Monthly

Kod Kumpulan Group Code	Keterangan Kumpulan Group Description	2023		2024			
		Okt.	Nov.	Dis.	Jan.	Feb.	Mac
101	Pemprosesan dan pengawetan daging <i>Processing and preserving of meat</i>	89.4	90.6	89.1	90.3	90.1	86.8
102	Pemprosesan dan pengawetan ikan, krustasea dan moluska <i>Processing and preserving of fish, crustaceans and molluscs</i>	80.9	78.0	76.8	79.5	79.4	79.5
103	Pemprosesan dan pengawetan buah-buahan dan sayur-sayuran <i>Processing and preserving of fruits and vegetable</i>	78.9	82.7	85.6	87.3	84.1	84.8
104	Pembuatan minyak dan lemak daripada sayuran dan haiwan <i>Manufacture of vegetable and animal oils and fats</i>	78.0	76.9	74.3	71.9	68.6	72.9
105	Pembuatan produk tenusu <i>Manufacture of dairy products</i>	81.4	80.4	82.5	78.6	77.8	78.2
106	Pembuatan produk bijian, kanji dan produk berkanji <i>Manufacture of grain mill products, starches and starch products</i>	76.3	75.1	82.2	80.9	78.4	81.5
107	Pembuatan produk makanan lain <i>Manufacture of other food products</i>	83.7	83.6	83.4	86.5	84.5	84.9
108	Pembuatan makanan haiwan tersedia <i>Manufacture of prepared animal feeds</i>	82.5	83.0	81.0	78.7	77.4	75.9
110	Pembuatan minuman ringan <i>Manufacture of beverages</i>	80.6	82.1	82.8	81.5	80.0	82.0
120	Pembuatan produk tembakau <i>Manufacture of tobacco products</i>	89.7	90.1	89.7	93.0	94.4	96.9
131	Pemintalan, penenunan dan penyiapan tekstil <i>Spinning, weaving and finishing of textiles</i>	74.1	74.0	72.5	74.8	77.0	79.6
139	Pembuatan tekstil lain <i>Manufacture of other textiles</i>	85.0	86.0	89.0	83.0	87.7	88.8
141	Pembuatan pakaian, kecuali pakaian berbulu <i>Manufacture of wearing apparel, except fur apparel</i>	84.2	84.5	81.4	78.7	72.7	85.4
142 & 143	Pembuatan artikel daripada kulit bulu dan pakaian yang dikait dan dikrusye <i>Manufacture of articles of fur, knitted and crocheted apparel</i>	79.2	79.0	85.9	80.8	79.8	80.5
151	Penyamakan dan pembersihan kulit, pembuatan begasi, beg tangan, pelana dan abah-abah pembersihan dan pewarnaan bulu <i>Tanning and dressing of leather; manufacture of luggage, handbags, saddlery and harness; dressing and dyeing of fur</i>	73.7	74.5	85.9	93.7	83.9	84.9
152	Pembuatan kasut <i>Manufacture of footwear</i>	85.2	85.3	83.7	89.9	83.6	85.3
161	Pengilangan dan pengetaman kayu <i>Sawmilling and planing of wood</i>	75.0	75.2	75.1	81.3	76.4	78.1
162	Pembuatan produk daripada kayu, gabus, jerami dan bahan jalinan lain <i>Manufacture of products of wood, cork, straw and plaiting materials</i>	71.6	71.6	71.3	68.0	70.5	71.7
170	Pembuatan kertas dan produk kertas <i>Manufacture of paper and paper products</i>	78.5	79.4	79.0	78.9	78.1	77.9
181 & 182	Percetakan dan aktiviti perkhidmatan berkaitan percetakan dan penerbitan semula media rakaman <i>Printing and service activities related to printing & reproduction of recorded media</i>	83.5	84.5	86.3	84.1	83.8	81.6
192	Pembuatan produk produk petroleum bertapis <i>Manufacture of refined petroleum products</i>	77.1	75.9	75.3	84.4	84.0	84.1
201	Pembuatan kimia asas, baja dan sebatian nitrogen, plastik dan getah sintetik dalam bentuk primer <i>Manufacture of basic chemicals, fertilizer and nitrogen compounds, plastics and synthetic rubber in primary forms</i>	80.5	79.5	80.0	79.7	76.9	76.6
202 & 203	Pembuatan produk kimia lain dan serat buatan manusia <i>Manufacture of other chemical products and man-made fibres</i>	81.9	77.9	80.4	81.8	81.7	83.1
210	Pembuatan produk farmaseutikal, kimia perubatan dan botani <i>Manufacture of pharmaceuticals, medicinal chemical and botanical products</i>	82.6	82.5	84.5	83.6	86.1	89.2
221	Pembuatan produk getah <i>Manufacture of rubber products</i>	76.0	75.5	78.3	83.1	80.8	83.3
222	Pembuatan produk plastik <i>Manufacture of plastics products</i>	80.9	80.9	79.5	81.4	78.9	79.9

Kod Kumpulan Group Code	Keterangan Kumpulan Group Description	2017									
		Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	
231	Pembuatan kaca dan produk kaca <i>Manufacture of glass and glass products</i>	82.1	79.6	82.6	80.5	81.1	80.7	81.6	81.2	82.0	
239	Pembuatan pengeluaran galian bukan logam t.t.t.l. <i>Manufacture of non-metallic mineral products n.e.c.</i>	75.5	71.8	69.9	71.5	69.1	70.3	70.0	70.3	69.1	
241	Pembuatan besi dan keluli asas <i>Manufacture of basic iron and steel</i>	79.4	71.2	81.1	72.2	74.8	67.0	80.1	83.1	74.4	
242	Pembuatan logam asas berharga dan logam bukan ferus lain <i>Manufacture of basic precious and other non-ferrous metals</i>	79.1	80.5	83.7	82.2	83.2	79.6	81.1	80.5	77.1	
243	Pengacuan logam <i>Casting of metals</i>	70.7	71.7	75.1	74.8	74.2	73.5	72.6	72.6	71.6	
251 & 252	Pembuatan produk struktur logam, tangki, takungan, penjana wap, senjata dan peluru <i>Manufacture of structural metal products, tanks, reservoirs, steam generators, weapons and ammunition</i>	73.7	77.3	76.6	76.7	77.2	77.3	78.9	76.8	76.6	
259	Pembuatan lain-lain produk yang direka daripada logam; aktiviti perkhidmatan kerja logam <i>Manufacture of other fabricated metal products; metal working service activities</i>	74.6	73.4	73.9	73.1	74.9	70.5	72.2	73.2	71.9	
261	Pembuatan komponen dan papan elektronik <i>Manufacture of electronic components and boards</i>	85.0	84.7	86.5	84.1	85.1	83.9	85.1	86.5	87.1	
262	Pembuatan komputer dan kelengkapan peranti <i>Manufacture of computers and peripheral equipment</i>	62.8	62.0	69.2	64.2	63.4	67.5	64.8	69.4	73.5	
263	Pembuatan peralatan komunikasi <i>Manufacture of communication equipment</i>	74.7	76.9	85.2	60.4	57.0	61.4	59.3	58.6	91.1	
264	Pembuatan peralatan elektronik pengguna <i>Manufacture of consumer electronics</i>	72.3	76.9	72.8	78.6	85.8	79.4	85.5	91.3	87.7	
265	Pembuatan kelengkapan mengukur, menguji, memandu arah dan kawalan; jam tangan dan jam <i>Manufacture of measuring, testing, navigating and control equipment; watches and clocks</i>	67.2	68.6	67.8	65.0	66.8	71.0	76.8	77.6	70.6	
266	Pembuatan peralatan penyinaran, perubatan elektro dan elektroterapeutik <i>Manufacture of irradiation, electromedical and electrotherapeutic equipment</i>	84.1	74.7	82.1	73.5	90.4	66.1	85.8	94.8	79.4	
267 & 268	Pembuatan peralatan optikal, kelengkapan fotografi, media magnetik dan optikal <i>Manufacture of optical instruments, photographic equipment, magnetic and optical media</i>	83.0	85.4	87.1	88.9	89.0	86.6	85.1	82.0	83.6	
271	Pembuatan motor elektrik, penjana, transformer dan perkakasan pengagihan dan pengawalan elektrik <i>Manufacture of electric motors, generators, transformers and electricity distribution and control apparatus</i>	76.6	78.3	80.0	79.6	76.1	75.1	77.1	76.9	74.7	
272	Pembuatan bateri dan akumulator <i>Manufacture of batteries and accumulators</i>	83.4	93.6	95.1	95.0	96.9	91.6	94.7	94.2	95.2	
273	Pembuatan pendawaian dan peranti pendawaian <i>Manufacture of wiring and wiring devices</i>	84.1	82.6	81.0	79.2	80.5	76.9	78.7	79.1	76.5	
274	Pembuatan kelengkapan pencahayaan elektrik <i>Manufacture of electric lighting equipment</i>	70.5	58.3	64.1	64.4	63.2	60.1	67.5	70.4	73.7	
275	Pembuatan perkakasan domestik <i>Manufacture of domestic appliances</i>	74.5	69.7	67.7	80.5	79.1	79.5	90.1	87.6	88.5	
279	Pembuatan kelengkapan elektrik lain <i>Manufacture of other electrical equipment</i>	86.7	83.7	87.3	79.4	88.7	88.4	89.8	90.1	86.3	
281 & 282	Pembuatan jentera kegunaan umum dan kegunaan khas <i>Manufacture of general-purpose and special-purpose machinery</i>	78.5	76.4	78.9	78.1	77.5	73.9	75.1	75.4	74.1	
291	Pembuatan kenderaan bermotor <i>Manufacture of motor vehicles</i>	67.2	66.3	66.7	61.9	70.5	74.5	70.2	61.7	59.9	
292	Pembuatan kerangka (coachwork) untuk kenderaan bermotor; pembuatan treler dan semi treler <i>Manufacture of bodies (coachwork) for motor vehicles; manufacture of trailers and semi-trailers</i>	77.1	76.4	73.4	76.1	77.3	78.3	77.0	76.6	78.8	
293	Pembuatan alat ganti dan aksesori untuk kenderaan bermotor <i>Manufacture of parts and accessories for motor vehicles</i>	76.9	70.7	76.6	73.5	74.5	71.6	75.0	76.0	76.6	
301	Pembinaan kapal dan bot <i>Building of ships and boats</i>	89.9	84.8	70.7	74.7	75.2	70.1	74.2	77.3	75.4	
302, 303, 304 & 309	Pembuatan lokomotif keretapi, rolling stock, kapal angkasa dan udara, jentera berkaitan, kenderaan tempur ketenteraan dan kelengkapan pengangkutan t.t.t.l. <i>Manufacture of railway locomotives, rolling stock, air and spacecraft, related machinery, military fighting vehicles and transport equipment n.e.c.</i>	79.6	79.4	75.5	78.8	76.0	71.9	78.6	75.3	80.3	

2c Kapasiti Penggunaan Industri Pembuatan mengikut Kumpulan - Bulanan

Manufacturing Industry Capacity Utilisation by Group – Monthly

Kod Kumpulan Group Code	Keterangan Kumpulan Group Description	2017		2018						
		Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.	Mei	Jun
231	Pembuatan kaca dan produk kaca <i>Manufacture of glass and glass products</i>	81.4	81.7	81.9	79.6	79.1	83.9	81.8	80.6	75.1
239	Pembuatan pengeluaran galian bukan logam t.t.t.l. <i>Manufacture of non-metallic mineral products n.e.c.</i>	71.3	73.1	71.1	73.4	68.2	73.1	72.6	71.5	70.1
241	Pembuatan besi dan keluli asas <i>Manufacture of basic iron and steel</i>	78.4	79.7	78.5	81.2	75.3	83.0	81.0	79.3	73.7
242	Pembuatan logam asas berharga dan logam bukan ferus lain <i>Manufacture of basic precious and other non-ferrous metals</i>	80.9	80.2	79.3	75.5	71.6	75.8	76.0	75.3	73.2
243	Pengacuan logam <i>Casting of metals</i>	71.8	74.7	73.0	71.3	69.0	69.7	71.4	74.0	72.8
251 & 252	Pembuatan produk struktur logam, tangki, takungan, penjana wap, senjata dan peluru <i>Manufacture of structural metal products, tanks, reservoirs, steam generators, weapons and ammunition</i>	77.7	77.8	78.7	79.4	77.4	78.1	78.6	78.0	78.3
259	Pembuatan lain-lain produk yang direka daripada logam; aktiviti perkhidmatan kerja logam <i>Manufacture of other fabricated metal products; metal working service activities</i>	73.9	74.3	76.0	77.5	75.8	78.6	78.0	76.8	75.5
261	Pembuatan komponen dan papan elektronik <i>Manufacture of electronic components and boards</i>	86.3	87.4	85.9	83.2	85.4	86.9	85.3	85.2	84.1
262	Pembuatan komputer dan kelengkapan peranti <i>Manufacture of computers and peripheral equipment</i>	68.6	69.6	74.0	69.3	65.5	75.4	71.2	71.7	71.2
263	Pembuatan peralatan komunikasi <i>Manufacture of communication equipment</i>	67.7	72.0	88.2	85.0	69.9	82.7	80.7	80.0	72.8
264	Pembuatan peralatan elektronik pengguna <i>Manufacture of consumer electronics</i>	85.6	77.5	65.3	66.2	57.7	84.6	66.7	72.7	71.1
265	Pembuatan kelengkapan mengukur, menguji, memandu arah dan kawalan; jam tangan dan jam <i>Manufacture of measuring, testing, navigating and control equipment; watches and clocks</i>	67.6	70.1	69.2	71.4	73.9	67.1	66.9	69.1	60.1
266	Pembuatan peralatan penyinaran, perubatan elektro dan elektroterapeutik <i>Manufacture of irradiation, electromedical and electrotherapeutic equipment</i>	94.4	95.8	92.0	53.3	67.1	55.9	55.9	57.0	54.3
267 & 268	Pembuatan peralatan optikal, kelengkapan fotografi, media magnetik dan optikal <i>Manufacture of optical instruments, photographic equipment, magnetic and optical media</i>	91.7	88.5	85.6	89.1	89.9	88.4	87.9	78.9	76.1
271	Pembuatan motor elektrik, penjana, transformer dan perkakasan pengagihan dan pengawalan elektrik <i>Manufacture of electric motors, generators, transformers and electricity distribution and control apparatus</i>	75.9	78.0	76.0	75.8	76.9	79.4	79.4	76.8	75.5
272	Pembuatan bateri dan akumulator <i>Manufacture of batteries and accumulators</i>	95.4	94.0	90.0	83.6	83.6	83.4	83.4	84.8	83.8
273	Pembuatan pendawaian dan peranti pendawaian <i>Manufacture of wiring and wiring devices</i>	77.0	76.1	75.0	79.7	77.2	77.5	77.4	76.1	76.9
274	Pembuatan kelengkapan pencahayaan elektrik <i>Manufacture of electric lighting equipment</i>	65.6	70.7	71.0	72.0	66.6	67.3	77.9	66.6	72.5
275	Pembuatan perkakasan domestik <i>Manufacture of domestic appliances</i>	88.7	84.3	87.1	89.0	84.8	89.4	94.9	95.6	87.9
279	Pembuatan kelengkapan elektrik lain <i>Manufacture of other electrical equipment</i>	89.6	88.2	85.9	87.0	86.9	88.7	87.4	87.1	86.6
281 & 282	Pembuatan jentera kegunaan umum dan kegunaan khas <i>Manufacture of general-purpose and special-purpose machinery</i>	74.9	76.3	75.6	78.1	77.4	81.3	78.5	76.6	74.2
291	Pembuatan kenderaan bermotor <i>Manufacture of motor vehicles</i>	54.3	75.1	77.5	78.4	71.2	80.0	80.8	82.1	84.1
292	Pembuatan kerangka (coachwork) untuk kenderaan bermotor; pembuatan treler dan semi treler <i>Manufacture of bodies (coachwork) for motor vehicles; manufacture of trailers and semi-trailers</i>	78.5	77.7	78.4	79.9	75.2	75.3	76.4	76.8	75.1
293	Pembuatan alat ganti dan aksesori untuk kenderaan bermotor <i>Manufacture of parts and accessories for motor vehicles</i>	77.8	78.0	75.4	81.9	78.6	79.3	81.3	78.8	75.1
301	Pembinaan kapal dan bot <i>Building of ships and boats</i>	74.5	78.8	73.1	69.5	70.4	62.9	65.5	85.4	72.6
302, 303, 304 & 309	Pembuatan lokomotif keretapi, rolling stock, kapal angkasa dan udara, jentera berkaitan, kenderaan tempur ketenteraan dan kelengkapan pengangkutan t.t.t.l. <i>Manufacture of railway locomotives, rolling stock, air and spacecraft, related machinery, military fighting vehicles and transport equipment n.e.c.</i>	78.3	78.8	82.1	85.0	82.2	71.4	70.6	70.4	72.2

2019														
Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.
77.3	78.2	76.4	79.0	80.1	76.9	79.6	75.9	77.5	75.5	74.2	75.9	75.3	71.4	73.0
74.0	73.2	72.7	72.0	71.1	70.2	71.6	68.2	72.9	73.7	71.9	67.8	73.2	72.7	69.6
81.9	78.5	77.2	78.1	70.7	76.9	72.2	67.7	74.0	77.5	78.7	68.5	78.1	79.4	76.5
76.4	74.6	74.0	81.4	78.7	78.8	78.1	73.5	77.2	77.3	76.5	76.3	75.9	76.5	77.9
73.1	79.4	77.6	78.2	74.9	76.9	79.1	76.2	73.1	77.8	77.5	73.2	75.7	76.5	74.4
78.3	74.2	77.9	77.8	77.0	76.9	79.1	77.4	76.6	77.3	76.1	76.4	76.6	77.0	77.4
77.2	79.2	78.0	79.2	79.1	78.4	78.2	73.9	77.8	79.2	77.2	75.4	77.6	75.8	75.2
85.3	84.0	84.1	83.6	82.1	81.9	82.1	81.4	81.3	79.9	82.0	80.5	81.5	82.3	81.7
65.1	70.6	68.2	66.0	64.3	64.0	60.8	55.4	58.4	57.8	53.5	65.8	68.0	69.2	65.3
84.1	78.2	75.5	78.0	73.8	74.6	87.7	71.0	75.3	67.9	64.0	72.3	89.4	69.7	69.5
82.5	83.1	83.4	79.4	65.4	66.5	70.2	65.7	73.0	86.1	86.0	80.3	88.6	83.4	78.5
74.4	79.2	70.6	60.9	72.3	72.0	64.8	67.0	79.5	71.5	70.9	69.0	65.5	70.6	65.8
51.6	50.2	51.9	52.1	55.0	51.6	56.9	55.2	58.4	58.5	59.8	58.3	62.8	63.8	64.9
78.2	73.9	67.8	67.9	63.5	62.7	62.2	60.8	59.3	61.6	60.4	72.7	71.7	71.0	69.2
78.6	79.6	77.2	77.2	75.8	74.5	74.5	78.0	81.8	81.0	80.3	77.1	78.2	79.0	77.6
79.8	84.3	84.4	91.4	90.6	86.4	93.3	88.5	90.9	90.5	87.6	90.6	84.5	76.8	80.8
77.6	72.5	73.9	77.0	73.2	74.3	78.1	75.3	76.6	78.0	77.4	72.4	76.3	74.9	76.0
73.4	63.2	69.6	66.3	63.0	63.5	65.6	60.8	64.1	69.8	71.0	63.1	70.6	66.8	65.0
81.3	83.1	84.3	83.8	84.2	85.6	89.1	86.9	84.3	81.3	81.3	73.3	80.6	84.8	86.1
87.2	89.0	87.0	89.1	87.5	87.3	83.5	82.7	84.1	84.2	87.3	85.7	89.3	87.0	87.5
76.8	75.1	75.8	76.1	73.4	74.5	74.0	73.6	77.1	76.6	76.0	74.7	76.3	74.1	75.0
84.6	71.4	63.9	79.2	82.4	76.2	74.8	86.7	79.3	73.8	73.7	74.7	80.5	75.6	80.3
74.0	80.2	73.2	68.6	76.3	73.3	75.3	73.5	76.8	85.8	77.7	76.5	75.5	79.8	77.0
80.2	77.2	72.8	76.8	78.7	76.0	78.1	80.2	82.3	83.0	83.6	80.9	78.1	78.2	78.2
69.3	66.3	67.7	72.4	70.4	76.1	74.5	71.3	76.4	77.7	79.9	79.8	78.0	74.6	76.2
71.8	81.6	75.1	73.4	83.8	81.1	83.4	82.9	82.7	82.5	81.9	76.7	82.6	80.5	78.3

2c Kapasiti Penggunaan Industri Pembuatan mengikut Kumpulan - Bulanan

Manufacturing Industry Capacity Utilisation by Group – Monthly

Kod Kumpulan Group Code	Keterangan Kumpulan Group Description	2019		2020						
		Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.	Mei	Jun
231	Pembuatan kaca dan produk kaca <i>Manufacture of glass and glass products</i>	72.3	72.6	74.5	79.7	72.2	67.4	52.1	70.1	76.6
239	Pembuatan pengeluaran galian bukan logam t.t.t.l. <i>Manufacture of non-metallic mineral products n.e.c.</i>	73.3	72.5	72.8	70.1	66.0	53.2	38.2	55.5	60.4
241	Pembuatan besi dan keluli asas <i>Manufacture of basic iron and steel</i>	78.4	76.2	73.0	72.9	69.7	58.0	45.9	56.7	66.3
242	Pembuatan logam asas berharga dan logam bukan ferus lain <i>Manufacture of basic precious and other non-ferrous metals</i>	79.1	76.5	77.8	78.2	76.7	62.4	55.9	72.7	73.1
243	Pengacuan logam <i>Casting of metals</i>	75.3	75.2	73.2	75.4	76.4	59.2	45.1	65.4	70.1
251 & 252	Pembuatan produk struktur logam, tangki, takungan, penjana wap, senjata dan peluru <i>Manufacture of structural metal products, tanks, reservoirs, steam generators, weapons and ammunition</i>	77.0	77.6	77.3	72.7	73.5	68.0	51.6	65.5	70.0
259	Pembuatan lain-lain produk yang direka daripada logam; aktiviti perkhidmatan kerja logam <i>Manufacture of other fabricated metal products; metal working service activities</i>	75.5	75.9	76.6	75.7	76.6	63.2	49.7	66.1	71.0
261	Pembuatan komponen dan papan elektronik <i>Manufacture of electronic components and boards</i>	82.1	82.6	82.0	78.2	79.6	71.5	51.8	72.5	75.1
262	Pembuatan komputer dan kelengkapan peranti <i>Manufacture of computers and peripheral equipment</i>	64.7	65.4	76.4	65.9	67.8	55.8	60.1	56.2	58.9
263	Pembuatan peralatan komunikasi <i>Manufacture of communication equipment</i>	81.3	68.8	76.0	80.9	77.5	61.0	47.7	66.8	78.0
264	Pembuatan peralatan elektronik pengguna <i>Manufacture of consumer electronics</i>	79.2	71.7	68.0	71.2	72.5	47.0	24.0	48.7	68.5
265	Pembuatan kelengkapan mengukur, menguji, memandu arah dan kawalan; jam tangan dan jam <i>Manufacture of measuring, testing, navigating and control equipment; watches and clocks</i>	64.3	64.1	72.0	64.5	63.5	60.5	44.6	54.6	60.5
266	Pembuatan peralatan penyinaran, perubatan elektro dan elektroterapeutik <i>Manufacture of irradiation, electromedical and electrotherapeutic equipment</i>	63.6	64.8	60.5	73.8	77.8	70.6	46.7	62.4	65.6
267 & 268	Pembuatan peralatan optikal, kelengkapan fotografi, media magnetik dan optikal <i>Manufacture of optical instruments, photographic equipment, magnetic and optical media</i>	68.2	66.8	63.0	75.3	76.9	28.9	51.7	50.8	83.9
271	Pembuatan motor elektrik, penjana, transformer dan perkakasan pengagihan dan pengawalan elektrik <i>Manufacture of electric motors, generators, transformers and electricity distribution and control apparatus</i>	79.9	78.0	81.6	76.9	75.7	65.3	57.9	74.1	78.9
272	Pembuatan bateri dan akumulator <i>Manufacture of batteries and accumulators</i>	76.1	83.8	66.5	74.6	71.1	42.0	31.0	50.6	60.9
273	Pembuatan pendawaian dan peranti pendawaian <i>Manufacture of wiring and wiring devices</i>	75.4	75.9	74.6	76.1	74.5	62.9	51.1	65.3	68.2
274	Pembuatan kelengkapan pencahayaan elektrik <i>Manufacture of electric lighting equipment</i>	70.1	69.1	70.6	57.9	67.9	45.0	45.0	55.6	69.6
275	Pembuatan perkakasan domestik <i>Manufacture of domestic appliances</i>	91.0	87.5	88.0	84.1	80.1	62.2	31.2	68.2	63.3
279	Pembuatan kelengkapan elektrik lain <i>Manufacture of other electrical equipment</i>	89.5	87.5	86.7	88.1	88.7	80.8	70.7	87.6	88.2
281 & 282	Pembuatan jentera kegunaan umum dan kegunaan khas <i>Manufacture of general-purpose and special-purpose machinery</i>	76.9	77.1	76.4	76.3	74.3	62.4	53.8	68.5	73.1
291	Pembuatan kenderaan bermotor <i>Manufacture of motor vehicles</i>	84.7	82.9	71.6	67.8	66.6	66.5	15.2	44.8	64.6
292	Pembuatan kerangka (coachwork) untuk kenderaan bermotor; pembuatan treler dan semi treler <i>Manufacture of bodies (coachwork) for motor vehicles; manufacture of trailers and semi-trailers</i>	77.2	76.4	77.6	78.4	77.7	64.4	43.4	69.5	61.3
293	Pembuatan alat ganti dan aksesori untuk kenderaan bermotor <i>Manufacture of parts and accessories for motor vehicles</i>	79.0	78.0	80.3	76.1	74.9	62.3	36.9	53.9	67.3
301	Pembinaan kapal dan bot <i>Building of ships and boats</i>	68.6	70.9	72.1	76.8	74.9	75.3	42.2	52.4	59.4
302, 303, 304 & 309	Pembuatan lokomotif keretapi, rolling stock, kapal angkasa dan udara, jentera berkaitan, kenderaan tempur ketenteraan dan kelengkapan pengangkutan t.t.t.l. <i>Manufacture of railway locomotives, rolling stock, air and spacecraft, related machinery, military fighting vehicles and transport equipment n.e.c.</i>	80.7	81.1	79.7	82.4	87.7	73.1	53.3	69.1	80.1

2021														
Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.
73.5	71.4	68.7	70.7	72.4	66.0	63.8	69.6	79.6	78.3	76.0	64.8	66.1	72.3	79.5
68.0	69.2	69.1	69.6	68.2	71.3	70.7	70.3	73.2	73.4	67.8	53.5	57.8	62.4	67.0
70.4	62.0	70.3	68.1	66.9	74.0	72.1	64.9	70.6	70.4	62.2	46.0	52.8	58.3	73.2
74.5	75.7	76.2	77.4	76.1	76.6	77.5	76.9	80.5	80.4	78.4	70.2	66.6	70.1	76.0
71.9	72.4	71.0	71.3	71.2	71.4	66.2	62.5	69.0	66.6	64.7	52.2	45.6	63.7	71.4
71.6	71.7	73.4	72.0	71.9	72.4	76.7	76.9	78.4	77.9	75.4	72.2	73.9	76.0	76.1
74.1	70.9	77.5	74.3	74.4	75.3	77.5	73.0	77.5	76.0	71.0	60.7	60.9	62.7	67.5
75.2	77.6	80.7	80.9	81.0	82.3	81.9	81.2	83.0	81.4	81.2	81.4	77.5	77.4	82.0
64.6	59.1	55.0	57.8	54.0	58.4	61.6	65.8	61.9	66.0	65.3	70.6	66.9	58.0	63.8
79.3	78.4	81.1	80.6	79.5	81.2	79.5	78.1	84.8	81.2	77.7	80.3	79.3	73.1	77.8
69.7	71.3	72.5	68.7	66.3	68.4	62.7	64.8	73.0	72.9	72.7	83.4	63.9	72.0	88.1
66.7	66.7	67.2	69.4	75.8	66.9	70.0	70.1	69.8	72.1	67.2	69.5	73.5	59.5	62.1
68.3	66.0	72.8	73.6	70.5	74.6	65.6	69.4	63.5	66.0	69.2	64.8	63.7	66.8	70.6
86.1	82.5	82.4	73.5	74.5	74.0	69.3	70.3	71.4	71.8	68.7	54.2	37.5	62.8	71.5
80.4	78.5	78.0	77.2	76.1	77.9	72.4	76.4	79.8	78.9	75.1	75.5	67.3	73.7	79.9
69.4	76.0	77.6	76.1	75.3	68.0	88.8	51.7	93.4	89.8	91.0	82.0	72.7	91.2	80.9
71.2	71.0	74.1	69.8	69.4	71.5	70.9	74.3	71.1	71.2	73.4	69.3	66.4	70.3	74.4
64.8	67.3	70.8	67.3	67.2	71.3	71.2	66.1	69.4	70.1	61.0	54.2	54.2	66.5	69.0
75.0	73.8	73.2	75.5	72.2	69.2	72.4	79.2	79.1	80.4	78.4	65.7	61.3	66.6	77.2
83.8	84.9	87.0	84.1	85.9	86.7	89.4	88.9	89.1	90.9	89.6	86.3	86.8	82.3	88.9
73.2	72.7	73.5	78.3	77.7	79.2	75.7	74.9	78.4	76.2	73.5	64.1	60.2	74.3	76.9
67.5	69.9	71.4	70.8	69.5	71.4	78.9	71.7	80.2	75.9	78.6	12.4	11.0	42.8	72.3
68.1	71.9	73.7	74.8	79.1	82.7	61.6	58.0	59.5	60.8	62.1	57.6	55.8	62.5	72.8
71.9	74.6	75.3	75.5	75.4	76.3	76.5	79.0	84.9	79.8	80.4	71.5	71.0	70.9	76.1
59.9	61.4	63.5	64.9	64.1	65.4	62.4	59.1	67.0	67.0	70.6	67.3	71.0	79.2	74.6
75.3	73.9	85.4	91.7	84.2	80.8	85.2	81.1	86.0	82.6	78.0	75.2	53.5	45.7	67.2

2c Kapasiti Penggunaan Industri Pembuatan mengikut Kumpulan - Bulanan

Manufacturing Industry Capacity Utilisation by Group – Monthly

Kod Kumpulan Group Code	Keterangan Kumpulan Group Description	2021		2022						
		Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.	Mei	Jun
231	Pembuatan kaca dan produk kaca <i>Manufacture of glass and glass products</i>	80.6	80.6	75.7	85.9	82.0	89.1	85.0	88.3	87.9
239	Pembuatan pengeluaran galian bukan logam t.t.t.l. <i>Manufacture of non-metallic mineral products n.e.c.</i>	69.6	68.6	71.3	81.7	75.8	76.0	80.7	77.7	80.4
241	Pembuatan besi dan keluli asas <i>Manufacture of basic iron and steel</i>	70.9	68.0	63.6	78.1	71.9	78.7	76.7	70.8	78.3
242	Pembuatan logam asas berharga dan logam bukan ferus lain <i>Manufacture of basic precious and other non-ferrous metals</i>	82.2	82.5	81.4	84.5	77.5	82.6	79.8	79.6	75.0
243	Pengacuan logam <i>Casting of metals</i>	71.1	75.3	72.3	77.4	77.3	81.0	78.9	78.4	79.6
251 & 252	Pembuatan produk struktur logam, tangki, takungan, penjana wap, senjata dan peluru <i>Manufacture of structural metal products, tanks, reservoirs, steam generators, weapons and ammunition</i>	77.3	78.4	78.5	83.2	80.5	79.5	76.2	74.5	76.8
259	Pembuatan lain-lain produk yang direka daripada logam; aktiviti perkhidmatan kerja logam <i>Manufacture of other fabricated metal products; metal working service activities</i>	71.4	70.4	71.5	81.1	76.9	81.1	81.5	72.6	78.0
261	Pembuatan komponen dan papan elektronik <i>Manufacture of electronic components and boards</i>	82.1	81.9	83.7	84.6	87.5	86.8	81.6	80.6	85.7
262	Pembuatan komputer dan kelengkapan peranti <i>Manufacture of computers and peripheral equipment</i>	55.5	57.7	70.6	77.7	53.6	76.9	62.1	68.6	78.5
263	Pembuatan peralatan komunikasi <i>Manufacture of communication equipment</i>	75.2	75.6	75.7	77.2	78.2	79.6	74.8	79.7	79.1
264	Pembuatan peralatan elektronik pengguna <i>Manufacture of consumer electronics</i>	89.3	82.2	80.8	67.8	69.4	73.6	73.8	73.1	76.9
265	Pembuatan kelengkapan mengukur, menguji, memandu arah dan kawalan; jam tangan dan jam <i>Manufacture of measuring, testing, navigating and control equipment; watches and clocks</i>	68.1	66.6	63.4	70.2	72.2	84.8	79.3	76.8	85.4
266	Pembuatan peralatan penyinaran, perubatan elektro dan elektroterapeutik <i>Manufacture of irradiation, electromedical and electrotherapeutic equipment</i>	71.9	71.2	75.7	78.9	77.9	87.1	82.6	76.7	85.4
267 & 268	Pembuatan peralatan optikal, kelengkapan fotografi, media magnetik dan optikal <i>Manufacture of optical instruments, photographic equipment, magnetic and optical media</i>	86.1	80.3	79.2	88.4	69.7	89.3	83.8	76.7	76.1
271	Pembuatan motor elektrik, penjana, transformer dan perkakasan pengagihan dan pengawalan elektrik <i>Manufacture of electric motors, generators, transformers and electricity distribution and control apparatus</i>	80.3	86.2	86.0	85.2	78.6	82.8	80.7	78.1	84.1
272	Pembuatan bateri dan akumulator <i>Manufacture of batteries and accumulators</i>	90.8	90.7	66.5	68.5	68.3	93.9	95.1	83.4	85.4
273	Pembuatan pendawaian dan peranti pendawaian <i>Manufacture of wiring and wiring devices</i>	76.2	78.2	78.5	82.6	74.0	84.2	82.5	79.8	82.1
274	Pembuatan kelengkapan pencahayaan elektrik <i>Manufacture of electric lighting equipment</i>	72.8	73.6	75.8	70.0	79.8	82.8	69.8	73.9	78.4
275	Pembuatan perkakasan domestik <i>Manufacture of domestic appliances</i>	84.3	82.1	78.5	88.1	81.3	80.8	73.0	69.1	78.2
279	Pembuatan kelengkapan elektrik lain <i>Manufacture of other electrical equipment</i>	86.1	88.2	89.0	86.6	88.9	94.2	87.4	86.4	88.3
281 & 282	Pembuatan jentera kegunaan umum dan kegunaan khas <i>Manufacture of general-purpose and special-purpose machinery</i>	78.5	79.8	76.9	81.8	79.7	83.5	84.3	79.3	83.2
291	Pembuatan kenderaan bermotor <i>Manufacture of motor vehicles</i>	82.8	74.5	73.1	76.1	89.2	82.7	76.0	79.0	77.0
292	Pembuatan kerangka (coachwork) untuk kenderaan bermotor; pembuatan treler dan semi treler <i>Manufacture of bodies (coachwork) for motor vehicles; manufacture of trailers and semi-trailers</i>	74.2	72.5	74.3	71.4	51.3	62.4	79.7	87.8	83.8
293	Pembuatan alat ganti dan aksesori untuk kenderaan bermotor <i>Manufacture of parts and accessories for motor vehicles</i>	83.3	77.4	78.4	80.3	81.3	89.7	86.6	86.6	90.5
301	Pembinaan kapal dan bot <i>Building of ships and boats</i>	68.6	71.1	66.8	77.1	67.7	82.5	72.4	71.7	82.7
302, 303, 304 & 309	Pembuatan lokomotif keretapi, rolling stock, kapal angkasa dan udara, jentera berkaitan, kenderaan tempur ketenteraan dan kelengkapan pengangkutan t.t.t.l. <i>Manufacture of railway locomotives, rolling stock, air and spacecraft, related machinery, military fighting vehicles and transport equipment n.e.c.</i>	70.7	71.9	68.9	78.4	78.3	86.8	85.1	84.3	84.3

2023														
Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.
83.5	89.5	89.5	80.9	79.9	79.3	62.6	55.9	63.8	76.1	70.5	75.6	81.1	81.4	81.8
82.6	80.9	79.4	79.8	78.5	78.6	74.9	81.7	82.9	80.9	80.6	82.6	81.5	84.2	85.3
79.6	77.7	76.3	78.5	79.7	75.5	74.0	80.1	83.1	81.5	78.2	77.8	77.6	81.2	81.5
80.9	82.1	77.1	71.3	73.5	71.5	73.3	75.8	81.6	71.6	75.3	77.2	77.5	77.4	80.3
75.9	75.8	78.8	73.5	72.5	72.6	77.8	81.2	82.3	74.4	74.6	76.6	73.3	75.4	71.9
76.3	76.6	77.8	80.9	79.2	75.0	91.7	92.5	93.1	91.8	92.5	85.5	85.0	85.0	85.8
77.4	76.2	77.5	79.2	78.2	79.2	77.9	77.4	78.8	73.9	77.8	78.5	78.5	80.1	80.3
85.8	86.2	88.2	83.8	85.6	83.9	82.8	81.3	82.1	79.8	82.5	83.9	80.3	79.9	82.9
77.3	75.1	76.6	59.1	56.9	81.9	55.7	60.6	66.1	54.5	57.0	58.3	58.4	60.6	59.0
76.6	66.1	84.1	75.4	77.5	83.5	79.8	81.6	80.1	78.3	81.4	82.0	82.7	82.2	88.7
71.9	66.7	70.4	70.1	71.1	71.2	78.0	79.5	78.9	83.2	81.3	86.1	80.8	82.3	84.0
82.6	87.6	86.9	85.5	83.4	81.8	74.9	79.8	79.8	69.8	79.8	76.8	75.5	78.4	87.9
69.5	87.9	84.6	87.3	79.0	83.6	86.9	85.5	86.6	93.1	89.9	90.8	91.8	93.0	86.5
88.8	89.5	88.0	83.6	88.4	89.3	87.1	81.9	91.5	79.9	88.8	83.4	83.9	87.6	88.5
84.8	85.7	83.1	80.6	84.3	87.4	83.7	84.1	85.2	76.7	80.8	80.6	79.7	81.7	79.3
87.1	79.5	77.3	65.3	74.3	94.0	62.1	72.4	66.5	74.7	75.9	90.9	78.6	84.6	81.8
81.3	81.8	80.8	78.3	77.6	77.8	80.1	84.3	85.2	80.5	84.3	79.4	82.8	82.7	82.7
77.2	81.6	78.3	78.8	71.8	83.0	72.5	76.3	81.4	73.0	83.6	87.0	87.1	85.9	85.3
91.7	92.4	88.1	90.3	89.5	90.2	89.6	82.5	84.6	74.0	78.0	84.9	86.0	95.4	90.5
90.2	93.4	88.8	88.2	80.8	88.0	64.0	72.0	77.7	64.2	68.4	66.4	61.8	64.1	79.3
84.6	84.6	81.4	78.7	80.0	81.7	76.9	78.0	82.9	83.2	85.4	83.6	82.7	86.1	84.1
76.4	86.6	90.6	81.2	85.5	61.0	83.6	87.3	91.0	71.5	91.3	87.6	83.8	84.5	81.8
71.1	83.4	83.3	87.3	89.2	71.9	62.6	71.2	68.8	69.2	61.4	71.9	84.6	86.6	71.9
88.8	88.8	90.6	87.2	90.9	89.8	84.4	84.7	87.3	79.2	86.4	78.1	77.8	80.3	80.7
80.5	87.8	54.7	66.3	61.4	93.7	67.8	71.3	65.9	71.3	64.6	71.5	59.1	65.1	71.8
84.1	87.8	86.1	84.7	87.0	87.2	85.3	83.9	92.3	80.4	80.3	85.3	91.3	89.4	89.4

2c Kapasiti Penggunaan Industri Pembuatan mengikut Kumpulan - Bulanan

Manufacturing Industry Capacity Utilisation by Group – Monthly

Kod Kumpulan Group Code	Keterangan Kumpulan Group Description	2024					
		Okt.	Nov.	Dis.	Jan.	Feb.	Mac
231	Pembuatan kaca dan produk kaca <i>Manufacture of glass and glass products</i>	81.6	87.3	86.3	88.9	86.8	88.7
239	Pembuatan pengeluaran galian bukan logam t.t.t.l. <i>Manufacture of non-metallic mineral products n.e.c.</i>	85.6	85.7	85.9	85.9	84.6	86.1
241	Pembuatan besi dan keluli asas <i>Manufacture of basic iron and steel</i>	81.0	83.2	79.9	78.3	81.3	84.9
242	Pembuatan logam asas berharga dan logam bukan ferus lain <i>Manufacture of basic precious and other non-ferrous metals</i>	80.3	79.6	79.5	78.9	76.3	80.5
243	Pengacuan logam <i>Casting of metals</i>	70.6	71.0	77.2	79.5	76.1	72.1
251 & 252	Pembuatan produk struktur logam, tangki, takungan, penjana wap, senjata dan peluru <i>Manufacture of structural metal products, tanks, reservoirs, steam generators, weapons and ammunition</i>	85.0	85.8	85.5	86.2	84.0	86.1
259	Pembuatan lain-lain produk yang direka daripada logam; aktiviti perkhidmatan kerja logam <i>Manufacture of other fabricated metal products; metal working service activities</i>	81.7	81.3	82.1	82.6	80.3	83.3
261	Pembuatan komponen dan papan elektronik <i>Manufacture of electronic components and boards</i>	78.7	78.4	78.4	75.0	75.6	79.7
262	Pembuatan komputer dan kelengkapan peranti <i>Manufacture of computers and peripheral equipment</i>	75.4	75.8	61.7	76.6	79.4	70.9
263	Pembuatan peralatan komunikasi <i>Manufacture of communication equipment</i>	81.8	82.8	80.0	79.1	74.9	78.6
264	Pembuatan peralatan elektronik pengguna <i>Manufacture of consumer electronics</i>	82.5	82.2	75.1	74.8	72.5	81.1
265	Pembuatan kelengkapan mengukur, menguji, memandu arah dan kawalan; jam tangan dan jam <i>Manufacture of measuring, testing, navigating and control equipment; watches and clocks</i>	83.9	82.7	84.2	78.1	76.7	87.9
266	Pembuatan peralatan penyinaran, perubatan elektro dan elektroterapeutik <i>Manufacture of irradiation, electromedical and electrotherapeutic equipment</i>	89.3	88.7	92.7	93.9	90.5	93.6
267 & 268	Pembuatan peralatan optikal, kelengkapan fotografi, media magnetik dan optikal <i>Manufacture of optical instruments, photographic equipment, magnetic and optical media</i>	91.6	77.3	78.1	81.4	89.0	86.7
271	Pembuatan motor elektrik, penjana, transformer dan perkakasan pengagihan dan pengawalan elektrik <i>Manufacture of electric motors, generators, transformers and electricity distribution and control apparatus</i>	78.0	84.0	79.4	78.7	79.0	80.9
272	Pembuatan bateri dan akumulator <i>Manufacture of batteries and accumulators</i>	83.2	82.2	79.5	82.6	81.3	79.5
273	Pembuatan pendawaian dan peranti pendawaian <i>Manufacture of wiring and wiring devices</i>	83.4	82.5	84.2	84.7	80.6	83.0
274	Pembuatan kelengkapan pencahayaan elektrik <i>Manufacture of electric lighting equipment</i>	90.9	86.9	88.2	90.1	84.8	92.1
275	Pembuatan perkakasan domestik <i>Manufacture of domestic appliances</i>	86.3	76.8	68.9	76.0	75.1	83.9
279	Pembuatan kelengkapan elektrik lain <i>Manufacture of other electrical equipment</i>	83.2	86.5	76.3	77.6	83.0	79.3
281 & 282	Pembuatan jentera kegunaan umum dan kegunaan khas <i>Manufacture of general-purpose and special-purpose machinery</i>	83.4	84.9	84.6	82.6	82.9	85.5
291	Pembuatan kenderaan bermotor <i>Manufacture of motor vehicles</i>	84.4	83.2	87.4	92.9	91.1	90.2
292	Pembuatan kerangka (coachwork) untuk kenderaan bermotor; pembuatan treler dan semi treler <i>Manufacture of bodies (coachwork) for motor vehicles; manufacture of trailers and semi-trailers</i>	85.5	68.3	70.7	63.4	70.8	67.3
293	Pembuatan alat ganti dan aksesori untuk kenderaan bermotor <i>Manufacture of parts and accessories for motor vehicles</i>	77.5	80.7	74.3	84.9	80.8	79.0
301	Pembinaan kapal dan bot <i>Building of ships and boats</i>	77.7	81.5	72.1	82.3	76.6	72.3
302, 303, 304 & 309	Pembuatan lokomotif keretapi, rolling stock, kapal angkasa dan udara, jentera berkaitan, kenderaan tempur ketenteraan dan kelengkapan pengangkutan t.t.t.l. <i>Manufacture of railway locomotives, rolling stock, air and spacecraft, related machinery, military fighting vehicles and transport equipment n.e.c.</i>	85.4	84.8	91.3	86.8	87.2	90.2

Kod Kumpulan Group Code	Keterangan Kumpulan Group Description	2017								
		Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.
310	Pembuatan perabot <i>Manufacture of furniture</i>	81.7	80.9	83.6	79.2	82.0	79.5	79.8	82.3	81.6
321	Pembuatan barang kemas, <i>bijouterie</i> dan artikel berkaitan <i>Manufacture of jewellery, bijouterie and related articles</i>	82.5	69.3	76.8	75.0	73.9	81.0	74.6	81.5	80.7
322, 325 & 329	Pembuatan instrumen muzik, peralatan dan bekalan perubatan dan pergigian dan pembuatan lain t.t.t.l. <i>Manufacture of musical instruments, medical and dental instruments and supplies and other manufacturing n.e.c.</i>	74.4	73.6	73.9	73.9	73.8	73.0	74.6	73.9	71.5
323	Pembuatan barangan sukan <i>Manufacture of sports goods</i>	68.4	74.7	69.1	76.7	75.2	78.4	76.9	78.3	78.7
324	Pembuatan permainan dan mainan <i>Manufacture of games and toys</i>	75.0	66.1	67.7	65.4	67.3	66.1	67.3	64.5	52.9
331 & 332	Pembaikan pemasangan produk logam, jentera dan kelengkapan serta pemasangan jentera perindustrian dan kelengkapan <i>Repair of fabricated metal products, machinery and equipment and installation of industrial machinery and equipment</i>	77.4	83.0	80.8	76.6	82.9	82.0	84.3	83.5	81.6
Malaysia		79.4	78.5	79.3	76.3	78.0	78.7	80.1	80.3	79.8

2c Kapasiti Penggunaan Industri Pembuatan mengikut Kumpulan - Bulanan
Manufacturing Industry Capacity Utilisation by Group – Monthly

Kod Kumpulan <i>Group Code</i>	Keterangan Kumpulan <i>Group Description</i>	2017		2018						
		Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.	Mei	Jun
310	Pembuatan perabot <i>Manufacture of furniture</i>	81.8	83.2	81.6	80.5	78.6	80.6	79.5	80.7	80.4
321	Pembuatan barang kemas, <i>bijouterie</i> dan artikel berkaitan <i>Manufacture of jewellery, bijouterie and related articles</i>	74.7	70.1	73.7	80.9	77.0	73.1	78.2	77.1	72.6
322, 325 & 329	Pembuatan instrumen muzik, peralatan dan bekalan perubatan dan pergigian dan pembuatan lain t.t.t.l. <i>Manufacture of musical instruments, medical and dental instruments and supplies and other manufacturing n.e.c.</i>	73.7	69.8	73.3	69.1	66.5	66.4	68.1	68.5	66.5
323	Pembuatan barangan sukan <i>Manufacture of sports goods</i>	79.0	67.4	80.4	69.3	73.5	75.6	77.1	73.5	74.2
324	Pembuatan permainan dan mainan <i>Manufacture of games and toys</i>	62.8	56.7	61.4	64.1	58.2	54.6	67.7	69.1	68.0
331 & 332	Pembaikan pemasangan produk logam, jentera dan kelengkapan serta pemasangan jentera perindustrian dan kelengkapan <i>Repair of fabricated metal products, machinery and equipment and installation of industrial machinery and equipment</i>	83.1	84.6	75.8	81.3	82.9	81.2	74.3	71.8	74.9
Malaysia		79.7	80.4	79.9	80.2	77.7	81.1	79.7	80.0	78.6

2019														
Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.
80.5	79.7	78.8	80.1	80.3	80.3	81.5	78.0	80.7	78.3	78.3	78.3	80.2	79.2	79.4
68.9	78.0	68.9	75.6	80.3	76.0	83.5	65.1	71.8	77.8	79.0	77.5	74.6	76.0	75.2
69.7	69.5	68.4	67.8	73.6	68.8	71.9	69.4	72.0	74.3	74.4	70.4	72.0	77.6	74.2
74.5	73.0	71.7	74.0	74.9	76.8	76.0	74.0	74.3	74.8	74.1	72.5	72.3	71.9	73.4
72.4	75.9	75.1	73.8	89.7	70.5	67.5	68.3	73.7	69.6	82.2	75.6	82.5	80.5	75.0
76.5	75.5	76.6	76.3	73.6	74.5	66.9	70.4	69.5	68.0	69.9	70.0	71.7	70.3	71.4
80.7	78.9	77.8	78.1	78.3	78.5	76.6	75.8	76.1	77.0	78.2	77.9	79.4	78.4	78.4

2c Kapasiti Penggunaan Industri Pembuatan mengikut Kumpulan - Bulanan

Manufacturing Industry Capacity Utilisation by Group – Monthly

Kod Kumpulan Group Code	Keterangan Kumpulan Group Description	2019			2020					
		Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.	Mei	Jun
310	Pembuatan perabot <i>Manufacture of furniture</i>	81.2	81.3	82.3	80.1	79.1	68.6	29.7	57.4	66.6
321	Pembuatan barang kemas, <i>bijouterie</i> dan artikel berkaitan <i>Manufacture of jewellery, bijouterie and related articles</i>	79.1	80.8	78.9	75.6	72.3	51.9	37.7	55.9	68.4
322, 325 & 329	Pembuatan instrumen muzik, peralatan dan bekalan perubatan dan pergigian dan pembuatan lain t.t.t.l. <i>Manufacture of musical instruments, medical and dental instruments and supplies and other manufacturing n.e.c.</i>	67.5	72.0	68.7	82.1	79.6	62.3	50.2	68.3	77.2
323	Pembuatan barangan sukan <i>Manufacture of sports goods</i>	72.6	71.8	74.3	78.3	74.6	60.7	47.6	67.1	75.8
324	Pembuatan permainan dan mainan <i>Manufacture of games and toys</i>	61.9	72.2	66.1	84.4	78.1	51.4	60.0	66.9	80.2
331 & 332	Pembaikan pemasangan produk logam, jentera dan kelengkapan serta pemasangan jentera perindustrian dan kelengkapan <i>Repair of fabricated metal products, machinery and equipment and installation of industrial machinery and equipment</i>	69.7	77.1	70.4	72.7	70.8	68.0	56.7	66.0	75.7
Malaysia		78.8	79.1	78.4	74.6	74.7	64.4	47.7	63.9	70.9

2021														
Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.
69.2	73.3	75.9	76.0	74.8	75.8	74.7	73.2	74.2	72.9	69.8	59.9	59.5	61.5	70.0
68.5	77.6	77.2	74.8	77.0	77.2	75.5	70.6	69.9	71.7	68.2	75.9	62.5	60.4	61.2
80.4	79.1	79.8	76.8	74.3	77.2	75.3	75.6	78.7	77.3	75.5	64.5	70.4	72.3	75.8
75.1	74.5	76.4	74.2	73.9	79.2	76.5	75.1	78.5	81.8	78.0	68.3	71.8	70.1	70.1
82.5	86.5	86.1	78.1	72.2	64.4	61.6	62.1	69.1	60.8	59.4	27.0	42.1	45.5	61.5
70.9	74.4	74.6	73.5	71.7	71.5	78.4	72.1	70.5	72.0	70.7	67.7	62.6	67.7	70.4
72.2	72.4	74.4	75.1	72.8	74.5	76.5	75.8	77.7	76.9	76.1	70.0	67.6	68.5	72.7

2c Kapasiti Penggunaan Industri Pembuatan mengikut Kumpulan - Bulanan
Manufacturing Industry Capacity Utilisation by Group – Monthly

Kod Kumpulan <i>Group Code</i>	Keterangan Kumpulan <i>Group Description</i>	2021			2022					
		Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.	Mei	Jun
310	Pembuatan perabot <i>Manufacture of furniture</i>	74.8	75.7	76.7	83.9	80.4	85.2	84.7	81.9	85.0
321	Pembuatan barang kemas, <i>bijouterie</i> dan artikel berkaitan <i>Manufacture of jewellery, bijouterie and related articles</i>	64.8	69.1	68.9	84.5	61.2	83.9	67.9	80.1	84.4
322, 325 & 329	Pembuatan instrumen muzik, peralatan dan bekalan perubatan dan pergigian dan pembuatan lain t.t.t.l. <i>Manufacture of musical instruments, medical and dental instruments and supplies and other manufacturing n.e.c.</i>	79.6	79.1	77.1	83.1	85.3	82.6	82.1	85.8	84.4
323	Pembuatan barangan sukan <i>Manufacture of sports goods</i>	74.3	75.1	77.5	89.3	93.7	92.7	93.5	93.9	97.3
324	Pembuatan permainan dan mainan <i>Manufacture of games and toys</i>	72.8	71.5	56.6	75.5	78.9	72.7	74.3	77.8	77.6
331 & 332	Pembaikan pemasangan produk logam, jentera dan kelengkapan serta pemasangan jentera perindustrian dan kelengkapan <i>Repair of fabricated metal products, machinery and equipment and installation of industrial machinery and equipment</i>	72.5	71.5	73.5	81.8	82.4	85.1	71.2	84.9	84.6
Malaysia		74.5	75.2	75.7	81.3	80.2	81.7	80.4	77.4	79.1

2023											
Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.	Mei	Jun
85.1	85.8	84.5	85.7	82.8	80.6	78.4	79.7	82.7	79.8	80.2	78.0
77.9	85.0	82.6	87.2	81.1	81.0	89.9	79.8	89.3	85.6	91.6	82.2
85.6	82.4	82.3	77.8	83.2	83.3	84.2	87.0	86.8	81.0	83.6	78.3
95.3	85.3	83.4	82.2	85.0	86.5	97.9	98.4	99.3	83.7	83.8	95.2
79.7	79.5	81.6	66.0	75.9	67.0	74.2	77.4	81.4	73.7	82.5	72.9
77.8	80.8	79.1	68.1	80.2	70.7	82.7	82.5	85.9	72.2	72.3	80.8
80.9	81.2	81.7	80.1	80.4	80.2	79.3	79.2	80.8	76.5	79.0	79.2

2c Kapasiti Penggunaan Industri Pembuatan mengikut Kumpulan - Bulanan
Manufacturing Industry Capacity Utilisation by Group – Monthly

Kod Kumpulan <i>Group Code</i>		Keterangan Kumpulan <i>Group Description</i>		2023					2024		
				Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.
310	Pembuatan perabot <i>Manufacture of furniture</i>	77.2	78.5	78.6	86.1	87.5	88.2	89.0	86.2	88.8	
321	Pembuatan barang kemas, <i>bijouterie</i> dan artikel berkaitan <i>Manufacture of jewellery, bijouterie and related articles</i>	89.0	79.5	81.5	82.8	89.9	88.2	91.9	84.6	88.4	
322, 325 & 329	Pembuatan instrumen muzik, peralatan dan bekalan perubatan dan pergigian dan pembuatan lain t.t.t.l. <i>Manufacture of musical instruments, medical and dental instruments and supplies and other manufacturing n.e.c.</i>	78.4	83.4	84.4	83.9	79.9	79.8	80.3	79.3	81.6	
323	Pembuatan barangan sukan <i>Manufacture of sports goods</i>	94.6	92.4	85.1	96.3	78.6	93.4	90.4	82.8	88.9	
324	Pembuatan permainan dan mainan <i>Manufacture of games and toys</i>	71.5	69.1	72.5	72.2	87.4	82.5	70.7	75.5	76.3	
331 & 332	Pembaikan pemasangan produk logam, jentera dan kelengkapan serta pemasangan jentera perindustrian dan kelengkapan <i>Repair of fabricated metal products, machinery and equipment and installation of industrial machinery and equipment</i>	82.9	81.7	82.3	85.1	85.8	82.4	84.1	84.0	85.5	
Malaysia		78.6	79.6	80.1	80.4	80.1	79.2	80.9	79.8	81.6	

3a Kapasiti Penggunaan Industri Pembuatan mengikut Industri Berorientasikan Eksport dan Industri Berorientasikan Domestik - Tahunan
Manufacturing Industry Capacity Utilisation by Export-Oriented Industry and Import-Oriented Industry – Yearly

Bil. No.	Kod Codes	Keterangan Description	2017	2018	2019	2020	2021	2022	2023
	C	PEMBUATAN MANUFACTURING	79.2	79.1	77.8	69.8	73.9	80.4	79.3
1.		Industri Berorientasikan Eksport Export-Oriented Industries	81.2	80.4	78.5	70.4	75.5	80.4	78.4
1.1	104	Pembuatan minyak dan lemak daripada sayuran dan haiwan <i>Manufacture of vegetable and animal oils and fats</i>	76.0	78.7	71.3	71.1	74.9	67.4	72.3
1.2	13	Pembuatan tekstil <i>Manufacture of textiles</i>	71.3	69.1	69.1	65.7	73.7	85.5	76.6
1.3	14	Pembuatan pakaian <i>Manufacture of wearing apparel</i>	84.2	87.4	87.0	70.9	76.2	74.1	81.4
1.4	16	Pembuatan kayu dan produk kayu dan gabus, kecuali perabot; pembuatan bagi artikel jerami dan bahan-bahan anyaman <i>Manufacture of wood and products of wood and cork, except furniture; manufacture of articles of straw and plaiting materials</i>	75.1	75.4	73.9	67.6	68.9	72.6	70.5
1.5	19	Pembuatan kok dan produk petroleum bertapis <i>Manufacture of coke and refined petroleum products</i>	86.9	84.4	80.3	63.0	70.8	81.6	76.5
1.6	20	Pembuatan kimia dan produk kimia <i>Manufacture of chemicals and chemical product</i>	78.6	82.3	81.1	76.3	80.2	80.1	80.9
1.7	221	Pembuatan produk getah <i>Manufacture of rubber products</i>	82.3	80.1	80.3	81.9	79.1	79.4	77.5
1.8	222	Pembuatan produk plastik <i>Manufacture of plastic products</i>	77.7	77.6	76.5	74.4	74.1	80.5	79.8
1.9	26	Pembuatan komputer, produk elektronik dan optikal <i>Manufacture of computer, electronics and optical products</i>	80.7	78.9	77.1	70.5	76.9	80.1	78.7
1.10	27	Pembuatan kelengkapan elektrik <i>Manufacture of electrical equipment</i>	80.9	80.6	80.3	71.8	77.1	82.8	80.4
1.11	28	Pembuatan jentera dan peralatan t.t.t.l. <i>Manufacture of machinery and equipment n.e.c.</i>	76.0	76.4	75.5	71.9	74.3	81.7	83.3
1.12	31	Pembuatan perabot <i>Manufacture of furniture</i>	81.4	80.0	79.9	68.8	70.2	83.8	81.2
2.		Industri Berorientasikan Domestik Domestic-Oriented Industries	74.2	76.1	76.1	68.2	69.9	80.3	81.4
2.1	10 (Kecuali 104)	Pembuatan produk proses makanan <i>Manufacture of food processing products</i>	76.5	75.4	75.0	75.4	75.2	80.9	82.6
2.2	11	Pembuatan minuman <i>Manufacture of beverages</i>	67.3	71.9	71.4	65.3	67.3	81.5	80.1
2.3	12	Pembuatan produk tembakau <i>Manufacture of tobacco products</i>	73.0	65.3	76.9	59.7	61.4	84.2	89.3
2.4	15	Pembuatan produk kulit dan barangan berkaitan <i>Manufacture of leather and related products</i>	81.0	81.8	79.2	70.6	71.2	89.9	83.1
2.5	17	Pembuatan kertas dan produk kertas <i>Manufacture of paper and paper products</i>	78.2	81.0	79.1	73.9	74.2	79.3	77.6
2.6	18	Percetakan dan penerbitan semula media rakaman <i>Printing and reproduction of recorded media</i>	77.0	76.4	77.1	69.8	70.9	82.0	83.2
2.7	21	Pembuatan produk farmaseutikal asas, kimia perubatan dan botani <i>Manufacture of basic pharmaceutical, medicinal chemical and botanical products</i>	72.4	74.6	73.3	73.7	72.4	80.0	82.6
2.8	23	Pembuatan produk galian bukan logam lain <i>Manufacture of other non-metallic mineral products</i>	72.4	72.7	72.1	64.1	67.9	80.1	81.7
2.9	24	Pembuatan logam asas <i>Manufacture of basic metals</i>	77.8	77.1	75.7	68.0	68.7	77.2	78.8
2.10	25	Pembuatan produk logam, kecuali mesin dan kelengkapan <i>Manufacture of fabricated metal products, except machinery and equipment</i>	73.8	77.1	75.8	70.8	71.1	80.1	81.3
2.11	29	Pembuatan kenderaan bermotor, treler dan semi treler <i>Manufacture of motor vehicles, trailers and semi-trailers</i>	70.6	77.9	78.9	64.9	69.0	83.0	82.8
2.12	30	Pembuatan kelengkapan pengangkutan lain <i>Manufacture of other transport equipment</i>	77.7	74.8	78.5	69.6	72.0	81.3	80.4
2.13	32	Pembuatan lain <i>Other manufacturing</i>	76.6	73.9	76.3	72.6	71.9	76.9	81.0
2.14	33	Membaiki dan pemasangan jentera dan kelengkapan <i>Repair and installation of machinery and equipment</i>	77.9	75.8	74.3	72.7	72.2	78.6	82.2

3b Kapasiti Penggunaan Industri Pembuatan mengikut Industri Berorientasikan Eksport dan Industri Berorientasikan Domestik - Suku Tahunan
Manufacturing Industry Capacity Utilisation by Export-Oriented Industry and Import-Oriented Industry – Quarterly

Bil. No.	Kod Codes	Keterangan Description	2017				2018			
			Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
1.	C	PEMBUATAN MANUFACTURING	79.1	77.7	80.1	80.0	79.7	79.4	79.1	78.3
		Industri Berorientasikan Eksport Export-Oriented Industries	81.0	79.3	82.5	82.2	81.2	80.7	80.4	79.2
	1.1	104 Pembuatan minyak dan lemak daripada sayuran dan haiwan <i>Manufacture of vegetable and animal oils and fats</i>	68.2	79.1	78.0	78.9	76.8	75.6	78.6	83.9
	1.2	13 Pembuatan tekstil <i>Manufacture of textiles</i>	73.9	65.7	73.3	72.4	64.3	75.6	68.3	68.3
	1.3	14 Pembuatan pakaian <i>Manufacture of wearing apparel</i>	83.0	81.2	85.3	87.4	87.4	87.5	87.4	87.5
	1.4	16 Pembuatan kayu dan produk kayu dan gabus, kecuali perabot; pembuatan bagi artikel jerami dan bahan-bahan anyaman <i>Manufacture of wood and products of wood and cork, except furniture; manufacture of articles of straw and plaiting materials</i>	75.1	73.9	74.5	76.7	74.4	74.7	76.1	76.2
	1.5	19 Pembuatan kok dan produk petroleum bertapis <i>Manufacture of coke and refined petroleum products</i>	88.6	82.8	87.8	88.4	85.8	85.9	81.8	83.9
	1.6	20 Pembuatan kimia dan produk kimia <i>Manufacture of chemicals and chemical product</i>	78.2	77.4	79.4	79.5	84.0	81.0	82.2	82.0
	1.7	221 Pembuatan produk getah <i>Manufacture of rubber products</i>	82.4	81.6	82.3	83.1	81.2	79.4	80.0	79.9
	1.8	222 Pembuatan produk plastik <i>Manufacture of plastic products</i>	76.4	76.9	79.4	78.0	77.8	77.5	78.5	76.6
	1.9	26 Pembuatan komputer, produk elektronik dan optikal <i>Manufacture of computer, electronics and optical products</i>	79.5	79.0	82.8	81.5	79.2	79.0	80.6	76.6
	1.10	27 Pembuatan kelengkapan elektrik <i>Manufacture of electrical equipment</i>	79.7	80.4	82.5	81.2	81.3	82.0	79.5	79.8
	1.11	28 Pembuatan jentera dan peralatan t.t.t.l. <i>Manufacture of machinery and equipment n.e.c.</i>	77.9	76.2	74.4	75.5	79.2	76.4	75.6	74.4
	1.12	31 Pembuatan perabot <i>Manufacture of furniture</i>	82.1	80.3	81.3	82.2	79.9	80.2	79.7	80.2
2.		Industri Berorientasikan Domestik Domestic-Oriented Industries	74.2	73.6	74.1	74.8	75.9	76.5	76.0	76.2
	2.1	10 (Kecuali 104) Pembuatan produk prosesan makanan <i>Manufacture of food processing products</i>	76.6	77.4	76.0	76.0	75.6	75.5	73.9	76.5
	2.2	11 Pembuatan minuman <i>Manufacture of beverages</i>	64.6	69.2	72.6	62.7	63.9	73.0	77.0	73.5
	2.3	12 Pembuatan produk tembakau <i>Manufacture of tobacco products</i>	80.0	78.5	77.2	56.2	62.4	66.3	66.6	66.0
	2.4	15 Pembuatan produk kulit dan barangan berkaitan <i>Manufacture of leather and related products</i>	83.7	81.3	79.7	79.3	80.6	83.9	83.5	79.4
	2.5	17 Pembuatan kertas dan produk kertas <i>Manufacture of paper and paper products</i>	77.7	78.1	78.1	78.8	81.2	80.7	81.2	80.7
	2.6	18 Percetakan dan penerbitan semula media rakaman <i>Printing and reproduction of recorded media</i>	74.6	79.0	79.1	75.4	74.9	79.2	78.7	72.8
	2.7	21 Pembuatan produk farmaseutikal asas, kimia perubatan dan botani <i>Manufacture of basic pharmaceutical, medicinal chemical and botanical products</i>	69.3	71.2	72.5	76.5	74.8	72.9	76.0	74.6
	2.8	23 Pembuatan produk galian bukan logam lain <i>Manufacture of other non-metallic mineral products</i>	73.5	71.6	71.3	73.1	72.7	72.4	73.8	72.1
	2.9	24 Pembuatan logam asas <i>Manufacture of basic metals</i>	78.3	75.0	79.0	79.0	77.4	76.6	77.6	76.8
	2.10	25 Pembuatan produk logam, kecuali mesin dan kelengkapan <i>Manufacture of fabricated metal products, except machinery and equipment</i>	73.3	73.3	73.3	75.3	77.1	76.7	77.2	77.3
	2.11	29 Pembuatan kenderaan bermotor, treler dan semi treler <i>Manufacture of motor vehicles, trailers and semi-trailers</i>	70.1	70.8	69.0	72.4	77.9	80.6	74.7	78.3
	2.12	30 Pembuatan kelengkapan pengangkutan lain <i>Manufacture of other transport equipment</i>	79.8	74.1	77.8	79.1	75.2	73.0	73.1	77.9
	2.13	32 Pembuatan lain <i>Other manufacturing</i>	77.6	76.2	77.5	75.0	74.3	73.7	73.0	74.6
	2.14	33 Membaiki dan pemasangan jentera dan kelengkapan <i>Repair and installation of machinery and equipment</i>	76.2	78.3	78.1	79.0	78.9	75.4	76.6	72.3

2019				2020				2021				2022
Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1
76.1	77.7	78.8	78.7	71.2	60.8	73.0	74.1	76.7	74.3	69.6	75.1	81.1
76.3	78.4	79.8	79.6	71.7	62.0	73.4	74.7	77.6	76.9	72.1	75.7	81.3
72.9	73.8	71.6	66.8	71.7	78.7	71.5	62.4	73.4	76.6	80.7	68.8	64.7
69.3	68.6	69.1	69.4	71.7	54.1	68.3	68.7	78.4	75.7	68.2	72.4	86.6
85.3	87.0	87.6	88.3	75.8	60.8	72.1	74.8	78.5	76.4	70.8	79.2	73.3
74.8	74.4	73.3	73.0	67.3	62.4	70.3	70.1	69.0	68.3	66.6	71.7	72.6
74.4	79.8	83.5	83.7	65.7	50.9	67.0	68.3	78.7	77.3	64.2	63.2	84.4
79.8	82.2	80.6	81.8	76.1	71.6	77.9	79.5	81.8	78.8	78.2	81.9	81.0
79.5	79.9	80.5	81.1	80.9	80.0	82.9	83.9	81.3	80.5	73.6	81.1	82.1
75.4	77.1	76.2	77.4	74.0	69.7	76.5	77.5	76.2	73.2	70.9	76.3	80.0
75.3	76.8	79.0	77.5	71.7	61.4	73.7	75.1	76.1	77.7	75.1	78.7	80.4
80.9	79.6	79.8	80.7	73.2	63.4	76.0	74.5	76.6	76.7	73.5	81.7	82.2
74.6	75.6	75.0	76.6	70.7	65.1	73.0	78.9	77.5	71.4	69.6	78.7	81.7
80.1	78.3	79.6	81.6	75.9	51.2	72.8	75.5	74.0	67.6	63.7	75.7	83.1
75.7	75.9	76.3	76.5	70.2	57.9	72.0	72.7	74.5	67.8	63.5	73.8	80.5
75.2	75.6	75.1	74.2	73.8	73.4	76.8	77.7	76.1	76.0	75.3	73.5	79.1
67.6	70.1	71.6	76.4	68.0	54.5	67.5	71.2	66.9	62.7	64.1	75.5	83.2
78.1	77.4	77.2	74.8	66.8	47.9	70.4	53.6	80.3	55.1	32.1	77.9	98.2
75.9	79.2	79.8	82.1	72.4	61.5	72.8	75.7	73.2	71.4	66.9	73.4	87.7
78.2	79.1	78.7	80.2	74.4	68.4	75.7	77.1	77.6	75.3	70.4	73.3	82.7
75.5	78.6	78.2	75.9	73.8	62.9	72.6	70.1	74.4	69.4	65.1	74.5	78.0
72.9	75.0	74.5	70.6	73.0	70.5	76.0	75.1	72.9	71.2	74.4	71.2	76.7
71.8	71.6	72.0	72.9	64.4	53.3	69.1	69.7	71.4	65.8	63.6	70.9	78.9
73.3	75.6	77.5	76.5	69.0	60.3	70.5	72.2	72.2	65.4	64.6	72.8	78.2
76.2	75.8	75.5	75.5	72.2	61.9	74.7	74.5	75.5	69.7	66.2	72.9	80.7
80.1	77.6	78.5	79.4	68.8	46.5	71.4	72.9	77.8	64.9	55.2	77.9	82.6
79.8	79.6	78.5	76.0	76.0	60.2	68.8	73.4	72.8	73.1	69.4	72.4	78.1
75.1	77.4	76.0	76.6	72.0	65.9	77.0	75.6	75.0	71.8	68.1	72.8	75.9
71.5	72.4	74.6	78.7	73.7	66.0	75.6	75.3	76.0	71.5	66.4	74.8	82.3

3b Kapasiti Penggunaan Industri Pembuatan mengikut Industri Berorientasikan Eksport dan Industri Berorientasikan Domestik - Suku Tahunan
Manufacturing Industry Capacity Utilisation by Export-Oriented Industry and Import-Oriented Industry – Quarterly

Bil. No.	Kod Codes	Keterangan Description	2022			2023				2024
			Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1
1.	C	PEMBUATAN MANUFACTURING	79.0	81.3	80.2	79.8	78.2	79.4	79.9	80.8
		Industri Berorientasikan Eksport Export-Oriented Industries	78.6	81.2	80.5	79.3	77.3	78.4	78.5	79.4
	1.1	104 Pembuatan minyak dan lemak daripada sayuran dan haiwan <i>Manufacture of vegetable and animal oils and fats</i>	65.8	69.1	70.3	65.9	70.2	76.6	76.4	71.1
	1.2	13 Pembuatan tekstil <i>Manufacture of textiles</i>	83.0	87.7	84.6	74.9	77.4	76.8	77.2	79.8
	1.3	14 Pembuatan pakaian <i>Manufacture of wearing apparel</i>	78.4	74.2	70.6	78.5	81.7	82.2	83.3	79.0
	1.4	16 Pembuatan kayu dan produk kayu dan gabus, kecuali perabot; pembuatan bagi artikel jerami dan bahan-bahan anyaman <i>Manufacture of wood and products of wood and cork, except furniture; manufacture of articles of straw and plaiting materials</i>	73.5	73.5	70.8	68.4	69.3	71.8	72.4	72.2
	1.5	19 Pembuatan kok dan produk petroleum bertapis <i>Manufacture of coke and refined petroleum products</i>	74.7	81.6	85.7	82.2	73.4	74.2	76.1	84.2
	1.6	20 Pembuatan kimia dan produk kimia <i>Manufacture of chemicals and chemical product</i>	80.1	79.9	79.5	80.0	81.3	82.2	80.0	78.7
	1.7	221 Pembuatan produk getah <i>Manufacture of rubber products</i>	81.4	77.6	76.5	77.5	77.8	77.9	76.6	82.4
	1.8	222 Pembuatan produk plastik <i>Manufacture of plastic products</i>	79.7	81.4	80.7	80.4	78.7	79.6	80.4	80.1
	1.9	26 Pembuatan komputer, produk elektronik dan optikal <i>Manufacture of computer, electronics and optical products</i>	79.1	81.7	79.2	78.4	78.9	79.0	78.5	77.3
	1.10	27 Pembuatan kelengkapan elektrik <i>Manufacture of electrical equipment</i>	80.8	85.2	82.9	81.0	77.9	81.5	81.0	80.5
	1.11	28 Pembuatan jentera dan peralatan t.t.t.l. <i>Manufacture of machinery and equipment n.e.c.</i>	82.3	83.1	79.8	79.9	84.4	84.4	84.3	83.7
	1.12	31 Pembuatan perabot <i>Manufacture of furniture</i>	83.9	85.1	83.0	80.3	79.3	78.1	87.3	88.0
2.		Industri Berorientasikan Domestik Domestic-Oriented Industries	79.9	81.4	79.5	80.9	80.2	81.7	82.9	83.7
	2.1	10 (Kecuali 104) Pembuatan produk prosesan makanan <i>Manufacture of food processing products</i>	78.8	83.9	81.9	83.8	80.6	83.2	83.0	83.1
	2.2	11 Pembuatan minuman <i>Manufacture of beverages</i>	80.5	81.8	80.7	77.9	80.3	80.2	81.8	81.1
	2.3	12 Pembuatan produk tembakau <i>Manufacture of tobacco products</i>	91.7	68.8	77.8	93.6	89.5	84.4	89.8	94.8
	2.4	15 Pembuatan produk kulit dan barangan berkaitan <i>Manufacture of leather and related products</i>	86.9	92.4	92.8	86.1	84.0	80.1	82.1	86.7
	2.5	17 Pembuatan kertas dan produk kertas <i>Manufacture of paper and paper products</i>	79.3	78.4	76.6	77.3	76.6	77.7	78.9	78.3
	2.6	18 Percetakan dan penerbitan semula media rakaman <i>Printing and reproduction of recorded media</i>	82.8	84.5	82.8	81.5	83.3	83.4	84.8	83.2
	2.7	21 Pembuatan produk farmaseutikal asas, kimia perubatan dan botani <i>Manufacture of basic pharmaceutical, medicinal chemical and botanical products</i>	79.8	86.4	77.0	82.8	81.0	83.3	83.2	86.3
	2.8	23 Pembuatan produk galian bukan logam lain <i>Manufacture of other non-metallic mineral products</i>	80.6	81.8	79.1	77.4	80.4	83.4	85.7	85.9
	2.9	24 Pembuatan logam asas <i>Manufacture of basic metals</i>	76.4	78.6	75.7	78.4	77.5	79.0	80.3	80.2
	2.10	25 Pembuatan produk logam, kecuali mesin dan kelengkapan <i>Manufacture of fabricated metal products, except machinery and equipment</i>	79.3	79.5	80.9	80.6	79.7	81.7	83.1	83.3
	2.11	29 Pembuatan kenderaan bermotor, treler dan semi treler <i>Manufacture of motor vehicles, trailers and semi-trailers</i>	81.6	86.3	81.3	86.1	82.0	81.6	81.3	86.3
	2.12	30 Pembuatan kelengkapan pengangkutan lain <i>Manufacture of other transport equipment</i>	82.0	82.3	82.8	80.0	78.8	79.8	83.0	83.6
	2.13	32 Pembuatan lain <i>Other manufacturing</i>	75.9	77.9	77.8	80.6	79.3	81.5	82.7	82.0
	2.14	33 Membaiki dan pemasangan jentera dan kelengkapan <i>Repair and installation of machinery and equipment</i>	76.1	80.2	75.7	82.8	79.0	82.4	84.5	84.5

3c Kapasiti Penggunaan Industri Pembuatan mengikut Industri Berorientasikan Eksport dan Industri Berorientasikan Domestik - Bulanan

Manufacturing Industry Capacity Utilisation by Export-Oriented Industry and Import-Oriented Industry – Monthly

Bil. No.	Kod Codes	Keterangan Description	2017								
			Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.
	C	PEMBUATAN MANUFACTURING	79.4	78.5	79.3	76.3	78.0	78.7	80.1	80.3	79.8
1.		Industri Berorientasikan Eksport Export-Oriented Industries	81.1	80.7	81.3	77.5	79.4	81.0	82.0	82.7	82.7
1.1	104	Pembuatan minyak dan lemak daripada sayuran dan haiwan <i>Manufacture of vegetable and animal oils and fats</i>	65.7	66.9	72.1	81.5	79.5	76.1	77.7	77.8	78.6
1.2	13	Pembuatan tekstil <i>Manufacture of textiles</i>	70.9	73.7	77.1	68.1	66.1	62.8	65.3	75.3	79.4
1.3	14	Pembuatan pakaian <i>Manufacture of wearing apparel</i>	84.7	79.7	84.7	84.6	83.7	75.4	85.0	85.5	85.4
1.4	16	Pembuatan kayu dan produk kayu dan gabus, kecuali perabot; pembuatan bagi artikel jerami dan bahan-bahan anyaman <i>Manufacture of wood and products of wood and cork, except furniture; manufacture of articles of straw and plaiting materials</i>	76.0	74.0	75.4	75.2	75.5	71.0	74.9	75.0	73.7
1.5	19	Pembuatan kok dan produk petroleum bertapis <i>Manufacture of coke and refined petroleum products</i>	90.0	89.4	86.2	76.1	81.8	90.7	90.8	88.3	84.4
1.6	20	Pembuatan kimia dan produk kimia <i>Manufacture of chemicals and chemical product</i>	79.4	77.2	77.9	75.7	75.5	81.1	78.9	78.5	80.9
1.7	221	Pembuatan produk getah <i>Manufacture of rubber products</i>	82.1	82.1	82.9	82.3	80.9	81.5	82.6	82.4	81.9
1.8	222	Pembuatan produk plastik <i>Manufacture of plastic products</i>	75.7	75.9	77.5	76.6	76.6	77.3	78.9	80.2	79.2
1.9	26	Pembuatan komputer, produk elektronik dan optikal <i>Manufacture of computer, electronics and optical products</i>	78.5	79.0	81.0	78.2	80.1	78.9	80.5	83.1	84.9
1.10	27	Pembuatan kelengkapan elektrik <i>Manufacture of electrical equipment</i>	80.2	79.4	79.6	80.6	81.2	79.3	83.2	82.8	81.4
1.11	28	Pembuatan jentera dan peralatan t.t.t.l. <i>Manufacture of machinery and equipment n.e.c.</i>	78.3	76.2	79.3	78.2	77.2	73.1	74.4	75.1	73.8
1.12	31	Pembuatan perabot <i>Manufacture of furniture</i>	81.7	80.9	83.6	79.2	82.0	79.5	79.8	82.3	81.6
2.		Industri Berorientasikan Domestik Domestic-Oriented Industries	75.2	73.1	74.3	73.4	74.6	72.8	75.3	74.3	72.7
2.1	10 (Kecuali 104)	Pembuatan produk proses makanan <i>Manufacture of food processing products</i>	77.1	76.8	76.0	78.0	78.0	76.3	75.6	76.3	76.0
2.2	11	Pembuatan minuman <i>Manufacture of beverages</i>	69.6	61.4	62.7	64.1	74.8	68.6	76.0	72.5	69.2
2.3	12	Pembuatan produk tembakau <i>Manufacture of tobacco products</i>	70.9	84.5	84.6	84.3	75.7	75.6	80.1	71.0	80.5
2.4	15	Pembuatan produk kulit dan barangan berkaitan <i>Manufacture of leather and related products</i>	83.9	82.3	84.8	82.7	80.9	80.4	79.8	81.4	77.7
2.5	17	Pembuatan kertas dan produk kertas <i>Manufacture of paper and paper products</i>	77.6	77.1	78.3	79.1	80.3	74.9	80.1	77.0	77.2
2.6	18	Percetakan dan penerbitan semula media rakaman <i>Printing and reproduction of recorded media</i>	74.6	74.5	74.5	82.5	75.8	78.8	78.5	82.6	76.3
2.7	21	Pembuatan produk farmaseutikal asas, kimia perubatan dan botani <i>Manufacture of basic pharmaceutical, medicinal chemical and botanical products</i>	72.9	64.3	70.6	74.2	69.0	70.4	72.0	73.4	72.2
2.8	23	Pembuatan produk galian bukan logam lain <i>Manufacture of other non-metallic mineral products</i>	76.3	72.8	71.5	72.6	70.6	71.6	71.4	71.7	70.7
2.9	24	Pembuatan logam asas <i>Manufacture of basic metals</i>	78.9	74.4	81.7	75.8	77.7	71.6	80.1	81.7	75.2
2.10	25	Pembuatan produk logam, kecuali mesin dan kelengkapan <i>Manufacture of fabricated metal products, except machinery and equipment</i>	72.2	73.9	73.7	73.2	74.7	72.0	74.3	73.4	72.4
2.11	29	Pembuatan kenderaan bermotor, treler dan semi treler <i>Manufacture of motor vehicles, trailers and semi-trailers</i>	71.3	68.3	70.8	66.8	72.2	73.4	72.2	67.7	67.0
2.12	30	Pembuatan kelengkapan pengangkutan lain <i>Manufacture of other transport equipment</i>	84.6	81.9	73.0	76.9	75.3	70.2	77.3	76.9	79.1
2.13	32	Pembuatan lain <i>Other manufacturing</i>	80.9	74.2	77.7	76.0	75.5	77.0	76.2	78.5	77.8
2.14	33	Mbaiki dan pemasangan jentera dan kelengkapan <i>Repair and installation of machinery and equipment</i>	75.4	76.7	76.6	77.4	79.7	77.6	78.3	78.7	77.3

3c Kapasiti Penggunaan Industri Pembuatan mengikut Industri Berorientasikan Eksport dan Industri Berorientasikan Domestik - Bulanan

Manufacturing Industry Capacity Utilisation by Export-Oriented Industry and Import-Oriented Industry – Monthly

Bil. No.	Kod Codes	Keterangan Description	2017		2018						
			Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.	Mei	Jun
	C	PEMBUATAN MANUFACTURING	79.7	80.4	79.9	80.2	77.7	81.1	79.7	80.0	78.6
1.		Industri Berorientasikan Eksport Export-Oriented Industries	82.5	82.3	81.7	81.4	79.3	82.8	80.8	81.2	80.0
1.1	104	Pembuatan minyak dan lemak daripada sayuran dan haiwan <i>Manufacture of vegetable and animal oils and fats</i>	81.8	75.3	79.4	80.6	69.5	80.3	81.0	76.0	69.7
1.2	13	Pembuatan tekstil <i>Manufacture of textiles</i>	74.9	68.5	73.9	69.0	61.5	62.2	69.5	69.5	87.9
1.3	14	Pembuatan pakaian <i>Manufacture of wearing apparel</i>	86.7	87.0	88.4	87.6	85.6	88.9	88.0	88.3	86.0
1.4	16	Pembuatan kayu dan produk kayu dan gabus, kecuali perabot; pembuatan bagi artikel jerami dan bahan-bahan anyaman <i>Manufacture of wood and products of wood and cork, except furniture; manufacture of articles of straw and plaiting materials</i>	77.4	75.7	76.9	76.1	70.2	77.1	75.6	75.4	73.2
1.5	19	Pembuatan kok dan produk petroleum bertapis <i>Manufacture of coke and refined petroleum products</i>	87.2	89.5	88.5	88.6	84.1	84.8	86.2	85.2	86.4
1.6	20	Pembuatan kimia dan produk kimia <i>Manufacture of chemicals and chemical product</i>	81.5	77.9	79.1	84.2	84.4	83.4	80.2	83.3	79.4
1.7	221	Pembuatan produk getah <i>Manufacture of rubber products</i>	83.5	82.9	82.8	82.3	79.8	81.7	79.9	79.6	78.6
1.8	222	Pembuatan produk plastik <i>Manufacture of plastic products</i>	78.5	78.3	77.3	78.2	77.1	78.1	78.9	77.6	76.0
1.9	26	Pembuatan komputer, produk elektronik dan optikal <i>Manufacture of computer, electronics and optical products</i>	82.2	81.9	80.5	77.7	76.4	83.5	78.9	79.9	78.2
1.10	27	Pembuatan kelengkapan elektrik <i>Manufacture of electrical equipment</i>	82.1	81.2	80.4	81.7	80.2	82.0	83.3	82.2	80.5
1.11	28	Pembuatan jentera dan peralatan t.t.t.l. <i>Manufacture of machinery and equipment n.e.c.</i>	74.8	76.2	75.4	77.8	77.3	82.5	79.0	76.7	73.5
1.12	31	Pembuatan perabot <i>Manufacture of furniture</i>	81.8	83.2	81.6	80.5	78.6	80.6	79.5	80.7	80.4
2.		Industri Berorientasikan Domestik Domestic-Oriented Industries	72.8	75.9	75.6	77.4	73.5	76.9	77.1	77.1	75.2
2.1	10 (Kecuali 104)	Pembuatan produk proses makanan <i>Manufacture of food processing products</i>	77.8	75.4	74.6	75.4	72.6	78.7	78.5	74.2	73.7
2.2	11	Pembuatan minuman <i>Manufacture of beverages</i>	60.9	65.1	62.2	68.0	56.0	67.8	76.1	75.2	67.7
2.3	12	Pembuatan produk tembakau <i>Manufacture of tobacco products</i>	53.6	53.0	62.1	56.1	67.2	63.8	65.6	66.4	66.7
2.4	15	Pembuatan produk kulit dan barangan berkaitan <i>Manufacture of leather and related products</i>	79.5	78.8	79.5	80.5	78.4	83.0	83.2	82.7	85.7
2.5	17	Pembuatan kertas dan produk kertas <i>Manufacture of paper and paper products</i>	79.0	79.5	78.0	83.1	79.2	81.2	81.9	81.4	78.9
2.6	18	Percetakan dan penerbitan semula media rakaman <i>Printing and reproduction of recorded media</i>	77.0	75.4	73.7	72.6	72.5	79.6	76.5	81.1	79.9
2.7	21	Pembuatan produk farmaseutikal asas, kimia perubatan dan botani <i>Manufacture of basic pharmaceutical, medicinal chemical and botanical products</i>	76.0	79.9	73.7	75.6	73.8	75.0	72.2	71.8	74.6
2.8	23	Pembuatan produk galian bukan logam lain <i>Manufacture of other non-metallic mineral products</i>	72.6	74.2	72.5	74.2	69.6	74.5	73.8	72.7	70.7
2.9	24	Pembuatan logam asas <i>Manufacture of basic metals</i>	78.9	79.6	78.5	78.7	73.7	79.9	78.8	77.7	73.4
2.10	25	Pembuatan produk logam, kecuali mesin dan kelengkapan <i>Manufacture of fabricated metal products, except machinery and equipment</i>	74.5	74.8	76.6	78.0	75.4	77.8	77.7	76.6	75.9
2.11	29	Pembuatan kenderaan bermotor, treler dan semi treler <i>Manufacture of motor vehicles, trailers and semi-trailers</i>	64.1	76.3	76.7	79.9	74.3	79.6	80.9	80.6	80.3
2.12	30	Pembuatan kelengkapan pengangkutan lain <i>Manufacture of other transport equipment</i>	77.9	80.0	79.5	79.9	77.8	67.8	68.5	77.6	72.8
2.13	32	Pembuatan lain <i>Other manufacturing</i>	75.7	74.0	75.4	77.0	73.4	72.4	74.7	74.5	71.8
2.14	33	Membaiki dan pemasangan jentera dan kelengkapan <i>Repair and installation of machinery and equipment</i>	79.5	80.0	77.5	79.6	78.8	78.3	75.5	75.1	75.7

2019														
Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.
80.7	78.9	77.8	78.1	78.3	78.5	76.6	75.8	76.1	77.0	78.2	77.9	79.4	78.4	78.4
81.7	80.0	79.6	78.7	79.2	79.6	76.8	76.2	76.0	76.8	78.8	79.5	80.5	79.4	79.4
78.8	79.5	77.5	85.9	84.1	81.6	67.7	80.1	70.9	71.7	79.2	70.3	71.3	71.6	71.8
69.1	69.9	66.0	70.9	65.7	68.3	69.8	68.4	69.9	69.9	67.9	68.1	69.2	69.2	69.0
89.1	87.4	85.8	88.3	86.2	87.9	86.5	82.1	87.1	86.7	88.3	86.0	89.1	87.6	86.1
76.3	76.1	76.0	76.1	76.1	76.5	76.5	71.6	76.4	76.7	74.6	72.0	72.9	74.4	72.5
85.8	79.6	80.0	76.4	87.0	88.2	73.8	77.4	71.9	72.8	80.0	86.5	83.4	82.4	84.8
83.4	81.7	81.6	82.2	82.2	81.6	79.3	82.0	77.9	80.7	83.8	82.0	81.1	79.0	81.7
80.2	80.0	79.8	80.6	79.4	79.6	79.9	79.1	79.6	79.0	80.4	80.4	80.6	81.2	79.7
80.1	78.9	76.3	77.6	75.8	76.3	76.5	73.6	76.0	78.1	78.2	74.9	77.4	76.0	75.4
81.0	80.8	80.1	78.8	75.5	75.5	76.5	73.6	75.8	76.4	76.8	77.1	80.4	79.2	77.3
79.9	79.3	79.3	81.0	79.2	79.1	81.2	80.1	81.4	81.1	80.9	76.8	79.9	79.5	80.1
76.6	74.8	75.5	75.7	73.1	74.3	74.0	73.2	76.7	76.7	75.6	74.7	76.1	74.0	75.1
80.5	79.7	78.8	80.1	80.3	80.3	81.5	78.0	80.7	78.3	78.3	78.3	80.2	79.2	79.4
78.1	76.2	73.6	76.7	75.9	75.8	76.1	74.7	76.4	77.4	76.5	73.7	76.8	76.1	75.9
72.9	72.8	75.9	77.5	76.0	76.0	74.3	74.3	77.1	77.4	76.2	73.2	75.6	74.4	75.1
81.7	80.7	68.6	74.8	69.7	76.0	74.3	63.4	65.2	71.6	72.7	66.1	68.8	72.6	73.5
66.8	66.0	67.0	66.0	65.5	66.4	77.6	77.3	79.2	90.0	69.8	72.5	74.4	80.9	76.4
86.4	84.0	80.0	80.0	79.5	78.5	74.5	75.0	78.1	79.8	80.0	77.9	79.8	80.3	79.1
81.6	81.6	80.5	81.6	79.8	80.8	78.9	75.8	79.9	80.4	81.5	75.4	79.2	78.1	78.8
81.3	80.2	74.6	74.8	69.7	74.0	75.1	75.4	76.0	80.0	77.8	78.2	77.6	80.5	76.6
79.5	75.9	72.6	75.4	73.1	75.4	75.8	71.7	71.4	76.1	75.4	73.6	76.1	75.7	71.9
74.4	73.8	73.2	72.9	72.3	71.0	72.6	69.1	73.5	73.9	72.2	68.8	73.4	72.6	70.0
79.6	77.2	76.1	79.3	73.7	77.6	74.6	70.1	75.1	77.4	77.9	71.5	77.2	78.3	76.9
77.0	77.5	77.2	78.0	77.3	76.8	78.2	74.2	76.2	77.6	75.4	74.5	76.1	75.2	75.1
82.6	73.9	67.7	78.0	80.7	76.1	76.2	83.8	80.5	77.8	77.8	77.2	79.4	76.8	79.4
71.3	76.0	72.1	73.8	79.3	80.4	80.9	78.1	80.4	80.8	81.0	76.9	81.1	77.9	76.7
71.9	75.6	71.6	73.9	76.3	73.4	79.5	71.1	74.8	78.0	78.9	75.3	75.7	75.4	77.0
77.5	76.4	76.0	74.5	68.9	73.5	69.8	73.0	71.7	72.5	72.6	72.0	74.8	73.7	75.2

3c Kapasiti Penggunaan Industri Pembuatan mengikut Industri Berorientasikan Eksport dan Industri Berorientasikan Domestik - Bulanan

Manufacturing Industry Capacity Utilisation by Export-Oriented Industry and Import-Oriented Industry – Monthly

Bil. No.	Kod Codes	Keterangan Description	2019		2020						
			Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.	Mei	Jun
	C	PEMBUATAN MANUFACTURING	78.8	79.1	78.4	74.6	74.7	64.4	47.7	63.9	70.9
1.		Industri Berorientasikan Eksport Export-Oriented Industries	79.4	79.9	79.7	74.6	75.3	65.0	48.9	65.3	71.7
1.1	104	Pembuatan minyak dan lemak daripada sayuran dan haiwan <i>Manufacture of vegetable and animal oils and fats</i>	68.6	66.4	65.4	65.7	68.6	80.8	76.8	79.8	79.6
1.2	13	Pembuatan tekstil <i>Manufacture of textiles</i>	69.9	69.9	68.2	76.0	74.4	64.8	39.0	56.1	67.3
1.3	14	Pembuatan pakaian <i>Manufacture of wearing apparel</i>	86.6	87.5	90.8	78.4	79.9	69.1	52.4	59.7	70.3
1.4	16	Pembuatan kayu dan produk kayu dan gabus, kecuali perabot; pembuatan bagi artikel jerami dan bahan-bahan anyaman <i>Manufacture of wood and products of wood and cork, except furniture; manufacture of articles of straw and plaiting materials</i>	74.5	72.8	71.7	70.9	71.5	59.6	55.0	61.6	70.6
1.5	19	Pembuatan kok dan produk petroleum bertapis <i>Manufacture of coke and refined petroleum products</i>	81.6	85.6	83.8	67.5	69.2	60.3	32.0	54.2	66.6
1.6	20	Pembuatan kimia dan produk kimia <i>Manufacture of chemicals and chemical product</i>	81.4	82.6	81.4	78.1	79.3	70.8	62.8	76.5	75.6
1.7	221	Pembuatan produk getah <i>Manufacture of rubber products</i>	80.6	81.2	81.6	82.7	82.4	77.7	80.1	78.1	81.7
1.8	222	Pembuatan produk plastik <i>Manufacture of plastic products</i>	77.0	77.9	77.5	78.2	76.4	67.3	61.2	71.5	76.6
1.9	26	Pembuatan komputer, produk elektronik dan optikal <i>Manufacture of computer, electronics and optical products</i>	78.2	76.6	77.8	75.0	76.1	64.2	47.9	65.1	71.3
1.10	27	Pembuatan kelengkapan elektrik <i>Manufacture of electrical equipment</i>	81.5	80.8	79.8	78.9	77.3	63.3	49.1	69.4	71.8
1.11	28	Pembuatan jentera dan peralatan t.t.t.l. <i>Manufacture of machinery and equipment n.e.c.</i>	76.7	77.0	76.3	76.2	74.5	61.4	52.6	68.9	73.7
1.12	31	Pembuatan perabot <i>Manufacture of furniture</i>	81.2	81.3	82.3	80.1	79.1	68.6	29.7	57.4	66.6
2.		Industri Berorientasikan Domestik Domestic-Oriented Industries	77.1	77.1	75.4	74.4	73.3	62.9	44.2	60.3	69.1
2.1	10 (Kecuali 104)	Pembuatan produk proses makanan <i>Manufacture of food processing products</i>	73.0	74.1	75.3	76.1	75.2	70.0	68.5	74.0	77.7
2.2	11	Pembuatan minuman <i>Manufacture of beverages</i>	75.9	76.2	77.1	71.4	73.6	58.9	49.8	50.9	62.9
2.3	12	Pembuatan produk tembakau <i>Manufacture of tobacco products</i>	77.4	75.6	71.5	73.9	72.5	54.0	1.6	73.6	68.6
2.4	15	Pembuatan produk kulit dan barangan berkaitan <i>Manufacture of leather and related products</i>	82.1	80.6	83.4	79.0	76.5	61.6	44.0	67.8	72.7
2.5	17	Pembuatan kertas dan produk kertas <i>Manufacture of paper and paper products</i>	79.7	81.2	79.7	78.5	78.6	66.1	61.8	68.1	75.2
2.6	18	Percetakan dan penerbitan semula media rakaman <i>Printing and reproduction of recorded media</i>	74.1	77.0	76.6	73.6	76.4	71.4	47.3	64.9	76.4
2.7	21	Pembuatan produk farmaseutikal asas, kimia perubatan dan botani <i>Manufacture of basic pharmaceutical, medicinal chemical and botanical products</i>	72.3	72.1	67.5	76.2	73.5	69.2	69.4	68.6	73.6
2.8	23	Pembuatan produk galian bukan logam lain <i>Manufacture of other non-metallic mineral products</i>	73.1	72.5	73.0	71.4	66.8	55.1	40.2	57.4	62.5
2.9	24	Pembuatan logam asas <i>Manufacture of basic metals</i>	78.5	76.3	74.7	74.9	72.5	59.5	49.3	62.7	68.8
2.10	25	Pembuatan produk logam, kecuali mesin dan kelengkapan <i>Manufacture of fabricated metal products, except machinery and equipment</i>	75.0	75.6	75.9	75.6	76.7	64.2	49.2	65.0	71.3
2.11	29	Pembuatan kenderaan bermotor, treler dan semi treler <i>Manufacture of motor vehicles, trailers and semi-trailers</i>	82.2	80.7	75.3	71.4	70.3	64.8	24.7	49.1	65.6
2.12	30	Pembuatan kelengkapan pengangkutan lain <i>Manufacture of other transport equipment</i>	75.1	76.6	76.3	80.1	79.0	68.8	47.1	61.4	72.1
2.13	32	Pembuatan lain <i>Other manufacturing</i>	75.2	78.8	75.7	77.8	75.2	62.9	56.5	67.3	73.9
2.14	33	Membaiki dan pemasangan jentera dan kelengkapan <i>Repair and installation of machinery and equipment</i>	75.1	83.8	77.4	77.8	74.5	68.9	51.3	66.7	79.8

2021														
Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.
72.2	72.4	74.4	75.1	72.8	74.5	76.5	75.8	77.7	76.9	76.1	70.0	67.6	68.5	72.7
72.5	72.9	74.8	75.9	73.2	75.0	77.2	77.3	78.2	77.5	77.7	75.4	72.2	70.8	73.1
76.0	69.0	69.5	64.8	61.9	60.5	68.9	69.0	82.2	81.7	70.6	77.5	81.4	79.1	81.6
68.4	68.2	68.3	68.3	68.8	69.0	75.3	81.9	77.9	80.5	76.6	70.0	70.3	64.9	69.6
68.9	72.9	74.4	75.0	73.4	76.0	80.4	76.7	78.4	79.5	78.9	70.7	69.2	71.4	71.9
70.0	70.1	70.9	69.6	70.5	70.4	68.5	68.5	69.9	69.6	70.7	64.7	63.8	67.3	68.6
65.3	66.6	69.2	73.4	62.6	69.0	78.8	79.2	78.0	78.0	79.1	74.7	74.3	64.5	53.8
77.9	76.2	79.8	80.8	80.3	77.4	82.9	82.5	80.0	78.2	82.2	76.1	76.6	75.9	82.3
82.8	82.9	83.1	83.5	83.7	84.4	81.7	79.2	82.9	82.3	81.6	77.6	73.5	71.2	76.0
77.1	75.7	76.8	77.4	77.2	77.8	75.4	75.8	77.3	75.8	72.8	70.9	67.6	70.0	75.2
72.7	73.4	75.1	75.1	74.3	75.9	75.1	75.5	77.7	77.2	76.7	79.3	73.3	72.7	79.4
75.5	75.5	76.8	75.1	74.2	74.2	75.4	75.5	79.0	79.0	78.1	73.0	68.3	73.6	78.6
73.3	72.5	73.1	78.9	77.9	79.8	76.7	76.2	79.5	76.8	73.8	63.6	57.7	74.0	77.0
69.2	73.3	75.9	76.0	74.8	75.8	74.7	73.2	74.2	72.9	69.8	59.9	59.5	61.5	70.0
71.5	71.1	73.5	72.8	71.9	73.5	74.9	72.0	76.6	75.2	72.1	56.1	56.1	62.5	71.7
74.5	78.3	77.5	78.3	77.1	77.6	76.2	73.6	78.3	76.4	75.3	76.2	76.0	74.9	74.9
65.0	66.6	71.0	72.0	70.2	71.2	69.6	61.9	69.1	68.4	61.6	58.0	57.3	61.1	74.0
76.0	73.2	62.1	53.4	52.1	55.4	78.4	81.1	81.4	76.3	79.3	9.7	8.8	9.9	77.6
73.9	71.9	72.7	71.8	77.2	78.0	73.1	72.1	74.4	75.3	73.3	65.5	65.2	61.7	73.6
75.9	74.5	76.6	77.2	77.0	77.0	79.7	75.1	78.1	76.8	75.5	73.7	70.8	68.4	71.9
75.3	71.1	71.3	70.8	69.5	70.0	72.5	73.6	77.1	73.8	68.9	65.6	62.4	65.9	67.2
73.4	77.1	77.6	76.0	72.0	77.5	72.1	74.1	72.4	75.0	69.8	68.9	72.3	74.3	76.7
68.7	69.5	69.1	69.8	68.7	70.7	70.0	70.2	73.9	74.0	68.7	54.8	58.8	63.5	68.5
71.9	67.3	72.4	71.5	70.3	74.7	73.7	68.9	73.9	73.7	67.9	54.6	57.2	62.6	74.1
74.5	72.5	77.3	74.2	74.1	75.1	76.1	73.3	77.2	76.0	71.0	62.1	63.4	66.0	69.3
69.3	71.9	73.0	72.8	72.1	73.7	77.5	74.4	81.6	77.2	78.9	38.6	37.0	54.7	73.8
66.8	66.9	72.8	77.6	72.0	70.6	73.6	68.4	76.6	76.5	74.5	68.4	62.1	71.8	74.4
74.7	78.2	78.2	75.2	75.0	76.5	76.1	73.9	75.1	74.6	72.1	68.8	68.3	67.4	68.6
72.0	78.2	76.4	74.9	75.9	75.3	80.2	75.6	72.3	74.0	72.7	67.7	59.7	67.4	72.1

3c Kapasiti Penggunaan Industri Pembuatan mengikut Industri Berorientasikan Eksport dan Industri Berorientasikan Domestik - Bulanan

Manufacturing Industry Capacity Utilisation by Export-Oriented Industry and Import-Oriented Industry – Monthly

Bil. No.	Kod Codes	Keterangan Description	2021		2022						
			Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.	Mei	Jun
	C	PEMBUATAN MANUFACTURING	74.5	75.2	75.7	81.3	80.2	81.7	80.4	77.4	79.1
1.		Industri Berorientasikan Eksport Export-Oriented Industries	74.3	75.9	76.8	81.6	80.8	81.5	80.8	76.8	78.2
1.1	104	Pembuatan minyak dan lemak daripada sayuran dan haiwan <i>Manufacture of vegetable and animal oils and fats</i>	71.9	69.2	65.3	66.2	62.6	65.1	59.1	69.6	68.7
1.2	13	Pembuatan tekstil <i>Manufacture of textiles</i>	71.9	72.5	72.8	88.1	84.8	86.8	84.5	80.7	83.8
1.3	14	Pembuatan pakaian <i>Manufacture of wearing apparel</i>	77.3	79.7	80.5	73.1	70.8	76.0	78.5	80.8	75.8
1.4	16	Pembuatan kayu dan produk kayu dan gabus, kecuali perabot; pembuatan bagi artikel jerami dan bahan-bahan anyaman <i>Manufacture of wood and products of wood and cork, except furniture; manufacture of articles of straw and plaiting materials</i>	73.6	72.6	69.0	71.8	70.7	75.3	73.8	72.2	74.4
1.5	19	Pembuatan kok dan produk petroleum bertapis <i>Manufacture of coke and refined petroleum products</i>	57.3	64.6	67.7	85.7	90.8	76.8	86.4	71.6	66.2
1.6	20	Pembuatan kimia dan produk kimia <i>Manufacture of chemicals and chemical product</i>	81.6	83.4	80.8	81.1	77.7	84.3	82.1	79.7	78.5
1.7	221	Pembuatan produk getah <i>Manufacture of rubber products</i>	79.5	82.1	81.7	83.3	80.4	82.6	83.0	80.4	80.7
1.8	222	Pembuatan produk plastik <i>Manufacture of plastic products</i>	78.0	75.9	74.9	80.6	77.9	81.5	79.7	78.5	80.9
1.9	26	Pembuatan komputer, produk elektronik dan optikal <i>Manufacture of computer, electronics and optical products</i>	78.6	77.5	80.1	79.9	78.5	82.8	77.1	77.4	82.8
1.10	27	Pembuatan kelengkapan elektrik <i>Manufacture of electrical equipment</i>	81.3	83.2	80.5	83.3	78.1	85.2	81.5	78.1	82.7
1.11	28	Pembuatan jentera dan peralatan t.t.t.l. <i>Manufacture of machinery and equipment n.e.c.</i>	78.8	80.3	77.0	82.7	79.0	83.4	84.5	79.4	83.1
1.12	31	Pembuatan perabot <i>Manufacture of furniture</i>	74.8	75.7	76.7	83.9	80.4	85.2	84.7	81.9	85.0
2.		Industri Berorientasikan Domestik Domestic-Oriented Industries	74.9	73.5	73.1	80.6	78.8	82.1	79.3	79.0	81.3
2.1	10 (Kecuali 104)	Pembuatan produk proses makanan <i>Manufacture of food processing products</i>	74.3	71.8	74.3	82.4	73.6	81.2	71.3	81.6	83.6
2.2	11	Pembuatan minuman <i>Manufacture of beverages</i>	74.3	78.3	73.8	87.9	80.5	81.1	81.1	80.8	79.5
2.3	12	Pembuatan produk tembakau <i>Manufacture of tobacco products</i>	80.8	81.0	72.0	97.9	99.1	97.7	79.1	99.3	96.8
2.4	15	Pembuatan produk kulit dan barangan berkaitan <i>Manufacture of leather and related products</i>	73.9	74.1	72.1	90.0	83.9	89.2	85.0	82.9	92.7
2.5	17	Pembuatan kertas dan produk kertas <i>Manufacture of paper and paper products</i>	70.7	73.7	75.5	83.6	80.0	84.5	80.3	76.8	80.9
2.6	18	Percetakan dan penerbitan semula media rakaman <i>Printing and reproduction of recorded media</i>	75.1	74.1	74.4	75.9	77.3	80.9	81.8	80.7	85.9
2.7	21	Pembuatan produk farmaseutikal asas, kimia perubatan dan botani <i>Manufacture of basic pharmaceutical, medicinal chemical and botanical products</i>	69.8	72.4	71.3	78.6	71.1	80.4	78.5	76.3	84.6
2.8	23	Pembuatan produk galian bukan logam lain <i>Manufacture of other non-metallic mineral products</i>	70.8	70.0	71.9	82.3	76.6	77.7	81.2	79.1	81.4
2.9	24	Pembuatan logam asas <i>Manufacture of basic metals</i>	74.8	73.3	70.2	80.2	74.1	80.2	77.8	74.2	77.2
2.10	25	Pembuatan produk logam, kecuali mesin dan kelengkapan <i>Manufacture of fabricated metal products, except machinery and equipment</i>	72.6	72.6	73.5	81.4	78.1	82.6	81.8	76.1	79.9
2.11	29	Pembuatan kenderaan bermotor, treler dan semi treler <i>Manufacture of motor vehicles, trailers and semi-trailers</i>	82.8	75.6	75.3	77.7	85.2	85.0	80.3	82.2	82.5
2.12	30	Pembuatan kelengkapan pengangkutan lain <i>Manufacture of other transport equipment</i>	71.7	74.2	71.3	77.0	75.0	82.3	79.7	82.0	84.3
2.13	32	Pembuatan lain <i>Other manufacturing</i>	72.4	73.4	72.7	78.9	72.6	76.2	70.1	79.1	78.4
2.14	33	Membaiki dan pemasangan jentera dan kelengkapan <i>Repair and installation of machinery and equipment</i>	76.2	73.2	74.9	81.6	80.9	84.4	59.4	84.6	84.3

2023														
Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.
80.9	81.2	81.7	80.1	80.4	80.2	79.3	79.2	80.8	76.5	79.0	79.2	78.6	79.6	80.1
80.8	80.9	81.9	80.0	80.3	81.1	79.5	78.5	80.0	75.6	77.9	78.4	77.6	78.5	78.9
67.9	70.5	68.7	71.6	74.1	65.2	64.8	67.3	65.7	66.3	73.0	71.4	74.6	75.7	79.5
85.8	86.1	91.4	85.4	84.7	83.6	69.9	75.7	79.0	75.9	76.0	80.2	76.6	77.0	76.9
77.5	72.0	73.2	68.8	69.5	73.6	78.6	73.7	83.1	81.6	81.4	82.2	81.1	82.4	83.1
71.8	75.2	73.4	72.6	70.0	69.7	67.9	68.3	68.9	68.5	70.5	68.9	69.9	72.8	72.8
79.8	80.1	85.0	84.7	86.4	85.9	85.9	79.4	81.4	72.8	73.5	74.0	74.4	74.6	73.5
80.8	82.5	76.4	81.2	80.0	77.4	79.7	80.4	79.9	79.4	82.1	82.4	82.3	83.1	81.1
77.3	78.9	76.5	78.3	76.4	74.7	77.0	76.3	79.1	75.2	77.9	80.4	77.7	78.0	77.8
80.7	81.1	82.5	81.9	80.0	80.3	79.9	80.4	80.9	76.7	80.5	78.9	79.0	80.2	79.5
81.4	80.3	83.3	77.7	78.5	81.5	77.9	78.2	79.3	77.0	79.0	80.8	77.9	78.3	80.7
85.8	86.2	83.5	81.4	81.7	85.6	79.3	81.1	82.4	74.9	78.8	80.1	79.2	82.5	82.9
84.5	84.6	80.4	77.6	80.4	81.4	77.6	78.6	83.5	83.9	85.8	83.6	82.7	86.1	84.4
85.1	85.8	84.5	85.7	82.8	80.6	78.4	79.7	82.7	79.8	80.2	78.0	77.2	78.5	78.6
81.1	81.9	81.3	80.2	80.5	77.8	78.8	80.9	83.1	78.6	81.3	80.8	80.5	81.9	82.6
84.7	84.8	82.3	82.2	80.8	82.7	84.5	82.0	84.9	79.2	81.3	81.2	81.9	83.3	84.2
82.6	82.4	80.4	79.9	78.8	83.5	79.0	77.3	77.3	78.3	82.5	80.0	80.1	80.2	80.5
74.3	54.6	77.6	77.5	56.5	99.6	92.7	91.5	96.8	92.9	93.4	82.3	82.0	81.7	89.4
90.7	94.3	92.3	92.1	92.9	93.3	91.0	83.1	84.2	83.0	85.3	83.6	79.1	79.2	81.9
79.5	78.1	77.6	77.9	75.4	76.5	74.6	77.3	79.9	76.5	75.6	77.6	77.0	77.4	78.6
83.3	85.2	85.0	82.2	83.5	82.6	81.3	82.6	80.6	82.8	83.8	83.2	82.9	83.4	83.9
86.7	88.2	84.2	82.2	79.2	69.5	79.6	85.8	83.1	80.7	80.6	81.6	81.2	83.5	85.1
82.7	82.0	80.7	80.0	78.7	78.7	73.3	78.4	80.4	80.3	79.3	81.7	81.4	83.8	84.8
79.9	79.1	76.7	75.8	77.2	74.0	73.9	78.7	82.5	78.0	77.1	77.3	76.9	79.5	80.5
80.2	78.9	79.4	81.5	81.0	80.2	80.0	80.2	81.6	77.5	80.5	81.1	80.9	81.9	82.3
81.2	87.4	90.4	83.7	87.7	72.6	83.4	85.9	89.0	74.8	88.3	82.9	81.2	82.7	81.0
84.9	88.9	73.2	79.8	77.0	91.6	79.6	79.9	80.3	80.2	76.6	79.6	77.8	79.4	82.2
77.7	78.4	77.6	76.9	77.2	79.4	80.2	78.8	82.7	77.2	81.5	79.1	81.2	81.1	82.3
78.3	81.4	81.0	76.1	82.6	68.3	82.5	81.9	83.9	78.1	78.0	80.8	82.9	81.7	82.7

3c Kapasiti Penggunaan Industri Pembuatan mengikut Industri Berorientasikan Eksport dan Industri Berorientasikan Domestik - Bulanan

Manufacturing Industry Capacity Utilisation by Export-Oriented Industry and Import-Oriented Industry – Monthly

Bil. No.	Kod Codes	Keterangan Description	2023			2024		
			Okt.	Nov.	Dis.	Jan.	Feb.	Mac
	C	PEMBUATAN MANUFACTURING	80.4	80.1	79.2	80.9	79.8	81.6
1.		Industri Berorientasikan Eksport Export-Oriented Industries	79.3	78.7	77.4	79.3	78.3	80.5
1.1	104	Pembuatan minyak dan lemak daripada sayuran dan haiwan <i>Manufacture of vegetable and animal oils and fats</i>	78.0	76.9	74.3	71.9	68.6	72.9
1.2	13	Pembuatan tekstil <i>Manufacture of textiles</i>	77.1	77.3	77.1	77.2	80.1	82.2
1.3	14	Pembuatan pakaian <i>Manufacture of wearing apparel</i>	84.0	84.4	81.5	78.7	72.9	85.3
1.4	16	Pembuatan kayu dan produk kayu dan gabus, kecuali perabot; pembuatan bagi artikel jerami dan bahan-bahan anyaman <i>Manufacture of wood and products of wood and cork, except furniture; manufacture of articles of straw and plaiting materials</i>	72.4	72.5	72.2	71.3	71.9	73.3
1.5	19	Pembuatan kok dan produk petroleum bertapis <i>Manufacture of coke and refined petroleum products</i>	77.1	75.9	75.3	84.4	84.0	84.1
1.6	20	Pembuatan kimia dan produk kimia <i>Manufacture of chemicals and chemical product</i>	80.8	79.2	80.1	80.2	77.9	78.1
1.7	221	Pembuatan produk getah <i>Manufacture of rubber products</i>	76.0	75.5	78.3	83.1	80.8	83.3
1.8	222	Pembuatan produk plastik <i>Manufacture of plastic products</i>	80.9	80.9	79.5	81.4	78.9	79.9
1.9	26	Pembuatan komputer, produk elektronik dan optikal <i>Manufacture of computer, electronics and optical products</i>	79.7	79.5	76.4	76.2	76.1	79.5
1.10	27	Pembuatan kelengkapan elektrik <i>Manufacture of electrical equipment</i>	82.6	82.4	78.0	79.9	79.5	82.0
1.11	28	Pembuatan jentera dan peralatan t.t.t.l. <i>Manufacture of machinery and equipment n.e.c.</i>	83.4	84.9	84.6	82.6	82.9	85.5
1.12	31	Pembuatan perabot <i>Manufacture of furniture</i>	86.1	87.5	88.2	89.0	86.2	88.8
2.		Industri Berorientasikan Domestik Domestic-Oriented Industries	82.6	83.1	82.9	84.3	83.0	84.0
2.1	10 (Kecuali 104)	Pembuatan produk proses makanan <i>Manufacture of food processing products</i>	83.1	82.9	83.1	84.1	82.6	82.6
2.2	11	Pembuatan minuman <i>Manufacture of beverages</i>	80.6	82.1	82.8	81.5	80.0	82.0
2.3	12	Pembuatan produk tembakau <i>Manufacture of tobacco products</i>	89.7	90.1	89.7	93.0	94.4	96.9
2.4	15	Pembuatan produk kulit dan barangan berkaitan <i>Manufacture of leather and related products</i>	80.7	81.1	84.6	91.2	83.7	85.2
2.5	17	Pembuatan kertas dan produk kertas <i>Manufacture of paper and paper products</i>	78.5	79.4	79.0	78.9	78.1	77.9
2.6	18	Percetakan dan penerbitan semula media rakaman <i>Printing and reproduction of recorded media</i>	83.5	84.5	86.3	84.1	83.8	81.6
2.7	21	Pembuatan produk farmaseutikal asas, kimia perubatan dan botani <i>Manufacture of basic pharmaceutical, medicinal chemical and botanical products</i>	82.6	82.5	84.5	83.6	86.1	89.2
2.8	23	Pembuatan produk galian bukan logam lain <i>Manufacture of other non-metallic mineral products</i>	85.1	85.9	86.0	86.3	84.9	86.5
2.9	24	Pembuatan logam asas <i>Manufacture of basic metals</i>	80.1	81.3	79.6	78.6	79.4	82.7
2.10	25	Pembuatan produk logam, kecuali mesin dan kelengkapan <i>Manufacture of fabricated metal products, except machinery and equipment</i>	82.9	83.0	83.4	83.9	81.7	84.3
2.11	29	Pembuatan kenderaan bermotor, treler dan semi treler <i>Manufacture of motor vehicles, trailers and semi-trailers</i>	81.3	81.6	81.1	88.5	85.9	84.6
2.12	30	Pembuatan kelengkapan pengangkutan lain <i>Manufacture of other transport equipment</i>	82.1	83.4	83.4	84.9	82.8	82.9
2.13	32	Pembuatan lain <i>Other manufacturing</i>	82.7	83.0	82.4	83.0	80.3	82.9
2.14	33	Membaiki dan pemasangan jentera dan kelengkapan <i>Repair and installation of machinery and equipment</i>	85.1	85.8	82.4	84.1	84.0	85.5

4a Kapasiti Penggunaan Industri Pembuatan mengikut Negeri - Tahunan
Manufacturing Industry Capacity Utilisation by State – Yearly

Negeri State	2017	2018	2019	2020	2021	2022	2023
Johor	77.3	79.6	78.6	71.3	74.0	81.2	80.7
Kedah	85.2	86.2	87.5	78.5	81.6	85.2	79.5
Kelantan	71.1	72.9	74.4	70.5	73.4	79.4	75.2
Melaka	90.3	91.1	75.2	56.9	70.9	83.2	82.7
Negeri Sembilan	77.0	73.9	76.7	69.7	70.4	84.8	83.2
Pahang	78.2	82.1	80.7	76.3	78.3	77.4	79.6
Pulau Pinang	79.5	79.1	77.6	72.0	75.0	76.8	77.3
Perak	71.4	70.6	70.8	70.4	72.6	76.3	77.5
Perlis	76.1	82.0	71.5	62.5	71.2	75.7	66.6
Selangor	75.9	75.7	75.8	68.9	72.5	81.3	81.4
Terengganu	86.3	86.1	91.5	78.7	84.7	80.4	79.5
Sabah	72.7	74.1	74.8	68.0	70.8	72.1	74.2
Sarawak	83.3	80.3	79.5	68.9	73.3	77.7	74.8
Wilayah Persekutuan Kuala Lumpur & Wilayah Persekutuan Putrajaya	63.6	61.5	61.3	58.7	64.1	75.7	76.8
Wilayah Persekutuan Labuan	78.4	84.1	76.1	67.0	74.8	80.3	90.4
Malaysia	79.2	79.1	77.8	69.8	73.9	80.4	79.3

Jadual Statistik
Statistical Table

4b Kapasiti Penggunaan Industri Pembuatan mengikut Negeri - Suku Tahunan
Manufacturing Industry Capacity Utilisation by State – Quarterly

Negeri State	2017				2018			
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
Johor	76.4	75.8	79.2	78.0	79.6	80.2	79.5	79.1
Kedah	85.5	84.4	84.9	85.9	84.9	86.2	86.5	87.0
Kelantan	71.0	71.8	70.0	71.8	75.7	71.1	71.8	73.2
Melaka	89.8	87.6	91.8	92.3	91.0	92.2	91.2	90.1
Negeri Sembilan	77.8	76.1	78.1	75.9	77.9	78.3	68.0	71.4
Pahang	82.3	75.4	78.9	76.1	84.9	78.2	82.7	82.4
Pulau Pinang	78.2	76.5	81.2	81.9	79.6	78.9	80.2	77.6
Perak	72.1	69.2	71.1	73.2	71.1	70.4	71.6	69.4
Perlis	74.2	73.5	71.7	85.0	90.4	89.5	89.7	58.6
Selangor	75.0	76.0	76.9	75.9	75.9	76.2	76.4	74.5
Terengganu	91.1	86.0	81.4	86.6	87.5	83.6	84.6	88.6
Sabah	73.3	69.5	73.1	75.1	72.5	74.6	76.0	73.3
Sarawak	85.2	78.8	83.3	85.9	81.0	79.6	80.2	80.3
Wilayah Persekutuan Kuala Lumpur & Wilayah Persekutuan Putrajaya	62.9	66.4	65.3	59.8	59.6	62.5	63.8	60.2
Wilayah Persekutuan Labuan	78.4	85.0	83.2	67.0	87.4	86.9	67.3	94.7
Malaysia	79.1	77.7	80.1	80.0	79.7	79.4	79.1	78.3

2019				2020				2021				2022
Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1
78.8	78.6	77.9	79.0	72.7	61.4	74.8	76.3	75.8	73.0	69.6	77.7	81.1
87.9	87.3	87.1	87.5	77.4	74.3	80.8	81.6	82.4	81.6	78.7	83.6	84.8
73.8	76.1	74.9	73.0	69.5	65.5	73.4	73.7	74.5	72.2	70.9	75.8	83.5
63.4	74.2	81.7	81.5	53.4	47.0	62.5	64.9	83.8	77.5	62.9	59.6	87.0
78.8	78.2	76.9	72.9	73.5	61.9	71.6	71.7	72.2	70.4	67.4	71.8	86.8
79.3	78.1	80.8	84.3	76.0	70.8	80.0	78.5	79.7	73.5	76.9	83.0	78.2
76.8	77.0	78.3	78.4	73.1	63.8	74.2	77.0	77.7	75.2	72.4	74.5	77.6
69.5	70.2	71.3	72.1	71.4	67.5	71.6	71.4	72.1	70.3	72.9	75.2	78.6
71.8	71.1	71.7	71.5	65.0	41.5	66.2	77.3	73.9	71.8	68.0	71.3	77.5
73.9	75.3	77.4	76.5	71.3	58.2	73.1	73.1	73.5	72.0	67.8	76.6	80.8
88.6	94.5	90.7	92.2	85.9	69.2	79.4	80.2	86.4	85.7	81.5	85.3	72.8
74.2	75.3	73.8	75.9	68.3	61.1	73.9	68.7	70.6	70.1	68.9	73.7	72.4
79.6	79.1	78.7	80.8	70.5	58.9	71.6	74.6	78.3	76.1	65.0	73.8	82.6
60.7	61.9	61.5	61.1	61.0	56.1	59.8	57.7	65.2	62.7	61.0	67.3	76.8
64.0	91.1	85.7	63.6	70.7	59.9	68.1	69.4	73.9	77.9	82.7	64.9	93.7
76.1	77.7	78.8	78.7	71.2	60.8	73.0	74.1	76.7	74.3	69.6	75.1	81.1

4b Kapasiti Penggunaan Industri Pembuatan mengikut Negeri - Suku Tahunan
Manufacturing Industry Capacity Utilisation by State – Quarterly

Negeri State	2023				2024			
	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1
Johor	80.9	81.9	80.9	80.7	78.9	81.6	81.5	81.0
Kedah	85.6	85.2	85.1	83.8	78.6	77.9	77.8	78.6
Kelantan	78.9	79.5	75.6	77.4	73.8	75.8	73.7	69.7
Melaka	70.5	87.9	87.4	81.4	82.6	85.3	81.3	80.0
Negeri Sembilan	85.7	84.5	82.2	82.0	81.2	86.0	83.6	84.9
Pahang	79.7	76.7	75.1	76.3	75.4	83.5	83.3	79.6
Pulau Pinang	76.2	78.0	75.4	76.8	76.0	76.9	79.5	78.4
Perak	75.2	74.2	77.2	77.1	76.4	77.1	79.4	78.1
Perlis	77.5	73.4	74.4	65.8	62.3	65.5	72.7	71.1
Selangor	80.7	83.1	80.6	79.7	81.6	82.4	82.0	83.1
Terengganu	81.7	82.3	84.7	78.8	85.8	80.6	72.7	80.3
Sabah	74.8	72.0	69.1	72.3	72.6	77.2	74.8	73.5
Sarawak	75.6	75.2	77.5	81.6	70.4	70.4	76.7	80.6
Wilayah Persekutuan Kuala Lumpur & Wilayah Persekutuan Putrajaya	75.1	75.6	75.2	79.6	75.9	74.8	77.1	79.5
Wilayah Persekutuan Labuan	58.2	76.1	93.1	93.3	75.0	97.2	95.9	95.9
Malaysia	79.0	81.3	80.2	79.8	78.2	79.4	79.9	80.8

4c Kapasiti Penggunaan Industri Pembuatan mengikut Negeri - Bulanan
Manufacturing Industry Capacity Utilisation by State – Monthly

Negeri State	2017							
	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.
Johor	79.1	74.1	75.9	75.6	76.0	75.6	78.8	79.7
Kedah	85.4	85.2	85.9	82.8	86.0	84.5	83.4	85.7
Kelantan	68.3	70.8	73.9	77.0	70.1	68.4	69.2	69.4
Melaka	92.0	88.1	89.2	82.0	90.3	90.4	92.2	92.7
Negeri Sembilan	78.7	77.4	77.2	76.4	74.8	77.1	78.7	77.6
Pahang	82.4	80.5	84.1	75.7	72.2	78.2	79.2	79.2
Pulau Pinang	77.5	77.8	79.4	75.9	77.9	75.9	78.6	82.2
Perak	72.2	71.3	72.7	69.4	68.3	69.8	71.1	70.0
Perlis	89.9	58.5	74.2	74.7	66.6	79.1	72.8	74.0
Selangor	74.8	74.4	75.7	74.2	77.7	76.0	77.6	76.7
Terengganu	91.2	90.9	91.1	86.2	82.1	89.8	81.0	78.8
Sabah	74.1	75.1	70.8	72.8	71.4	64.4	72.5	71.5
Sarawak	84.3	87.5	83.8	75.8	74.7	85.9	86.9	84.1
Wilayah Persekutuan Kuala Lumpur & Wilayah Persekutuan Putrajaya	63.4	62.9	62.5	68.1	65.1	66.1	66.6	67.1
Wilayah Persekutuan Labuan	59.4	89.0	86.8	92.1	91.6	71.3	89.4	79.7
Malaysia	79.4	78.5	79.3	76.3	78.0	78.7	80.1	80.3

4c Kapasiti Penggunaan Industri Pembuatan mengikut Negeri - Bulanan
Manufacturing Industry Capacity Utilisation by State – Monthly

Negeri State	2017				2018			
	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.
Johor	79.2	78.7	78.8	76.4	79.9	78.5	80.4	80.8
Kedah	85.5	85.0	86.2	86.5	82.8	84.5	87.4	86.3
Kelantan	71.3	72.6	75.0	67.7	73.4	75.6	78.0	71.9
Melaka	90.4	92.9	91.9	92.0	91.0	90.3	91.7	92.0
Negeri Sembilan	78.1	77.0	76.6	74.1	80.9	77.3	75.4	79.4
Pahang	78.2	77.9	73.9	76.7	84.8	84.0	86.0	75.2
Pulau Pinang	82.8	81.3	81.8	82.6	80.8	79.0	79.1	79.4
Perak	72.2	74.3	73.2	72.2	72.4	67.6	73.3	72.1
Perlis	68.2	85.3	85.2	84.3	90.4	90.3	90.4	90.1
Selangor	76.5	75.1	76.6	76.0	75.7	72.4	79.7	76.3
Terengganu	84.5	85.4	85.4	88.9	86.7	87.0	88.9	84.6
Sabah	75.2	76.4	74.6	74.2	73.3	69.3	75.0	75.3
Sarawak	78.8	83.7	87.6	86.3	84.1	76.9	82.0	80.0
Wilayah Persekutuan Kuala Lumpur & Wilayah Persekutuan Putrajaya	62.3	60.0	59.4	59.8	62.0	55.1	61.9	61.2
Wilayah Persekutuan Labuan	80.6	72.7	67.9	60.4	93.1	91.6	77.6	87.9
Malaysia	79.8	79.7	80.4	79.9	80.2	77.7	81.1	79.7

2019															
Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.
81.7	78.1	80.4	79.4	78.7	79.8	78.7	78.9	79.3	78.0	79.2	80.0	78.8	77.1	78.9	77.2
86.2	86.0	85.8	86.9	86.9	86.4	86.8	87.9	88.1	87.3	88.1	87.2	87.3	87.5	87.2	86.7
69.4	72.1	71.5	70.9	73.1	73.4	72.3	73.7	72.4	73.6	75.4	77.0	76.5	74.7	75.9	74.2
92.4	92.2	91.7	91.4	90.5	90.9	89.8	89.4	59.9	72.6	57.6	61.7	74.3	86.7	80.3	81.2
77.1	78.4	77.7	62.9	63.4	58.6	77.0	78.7	78.6	79.0	79.0	79.5	78.2	76.8	77.2	75.2
77.4	82.1	84.6	83.0	80.5	81.8	83.9	81.5	83.8	81.5	72.8	73.6	80.6	80.2	77.8	80.3
80.1	77.2	80.6	81.0	79.0	79.3	76.5	76.8	79.1	74.3	77.0	76.4	78.0	76.6	79.7	78.8
71.0	68.2	73.9	71.8	69.1	73.4	67.4	67.5	70.6	67.7	70.1	71.8	71.9	67.0	71.8	70.7
89.8	88.6	89.5	90.3	89.1	50.1	61.3	64.5	70.9	73.0	71.5	70.5	71.9	71.0	72.0	71.7
76.5	75.7	78.4	76.3	74.5	75.8	73.7	73.9	73.8	72.9	74.9	76.2	75.4	74.3	78.1	77.6
88.2	78.0	84.5	82.7	86.7	87.7	89.1	89.0	82.7	94.3	89.0	93.4	94.9	95.3	94.7	87.0
74.6	73.7	77.8	75.1	75.0	74.0	75.5	70.4	73.9	72.0	76.7	75.7	77.5	72.8	73.8	74.1
79.3	79.5	80.2	79.8	80.5	78.0	81.4	81.5	83.6	74.5	80.6	78.8	80.8	77.6	79.4	78.3
61.6	64.9	66.1	66.1	59.2	61.1	59.4	60.1	60.1	60.0	62.0	62.6	61.3	61.8	60.9	64.1
89.5	83.4	87.1	60.0	54.7	92.4	96.2	95.4	82.3	45.0	64.6	90.3	91.1	92.0	84.2	88.2
80.0	78.6	80.7	78.9	77.8	78.1	78.3	78.5	76.6	75.8	76.1	77.0	78.2	77.9	79.4	78.4

4c Kapasiti Penggunaan Industri Pembuatan mengikut Negeri - Bulanan
Manufacturing Industry Capacity Utilisation by State – Monthly

Negeri State	2019				2020			
	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.
Johor	77.5	79.6	78.4	78.9	77.6	77.5	63.0	47.3
Kedah	87.3	86.3	87.8	88.5	77.4	78.7	76.0	65.7
Kelantan	74.5	73.1	72.8	73.2	72.7	75.2	60.6	56.9
Melaka	83.5	82.2	81.3	80.9	59.3	60.0	41.0	28.0
Negeri Sembilan	78.2	72.6	74.6	71.6	76.7	76.3	67.6	54.0
Pahang	84.3	83.8	85.3	83.9	77.9	77.6	72.5	62.7
Pulau Pinang	76.4	79.1	78.7	77.3	76.9	76.7	65.8	50.4
Perak	71.4	72.2	70.9	73.0	73.9	74.9	65.3	62.0
Perlis	71.5	72.1	71.1	71.2	73.0	72.5	49.6	16.5
Selangor	76.6	77.0	76.5	76.2	74.8	74.5	64.4	45.2
Terengganu	90.3	90.2	94.5	92.1	88.9	90.8	78.1	49.3
Sabah	73.6	77.9	79.0	70.6	73.1	73.3	58.5	40.8
Sarawak	78.3	77.7	83.0	81.8	71.0	71.8	68.5	45.6
Wilayah Persekutuan Kuala Lumpur & Wilayah Persekutuan Putrajaya	59.7	60.6	61.9	60.8	63.6	62.0	57.6	47.0
Wilayah Persekutuan Labuan	84.7	90.5	42.3	58.0	59.7	68.4	84.2	35.8
Malaysia	78.4	78.8	79.1	78.4	74.6	74.7	64.4	47.7

2021															
Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.
66.7	70.2	74.7	73.3	76.3	76.7	75.8	76.5	75.5	74.2	77.7	77.2	74.8	66.9	66.9	67.6
76.5	80.5	80.8	79.9	81.6	81.2	81.4	82.2	81.6	82.2	83.6	82.2	81.1	81.3	76.2	76.8
68.8	70.8	74.5	73.9	71.7	73.2	73.0	75.0	73.6	71.4	78.6	77.0	72.5	67.2	68.3	70.3
49.8	63.1	56.7	62.9	67.8	73.1	58.5	62.9	83.2	84.4	83.7	83.2	82.5	66.8	67.6	62.0
62.1	69.5	71.9	70.4	72.4	71.7	72.4	70.9	72.8	70.0	73.7	73.5	71.6	65.9	64.6	66.9
72.1	77.7	80.5	79.2	80.2	84.8	77.7	72.9	84.6	82.3	72.1	70.8	76.1	73.6	76.0	74.2
68.4	72.6	71.7	73.7	77.3	76.6	77.0	77.4	79.0	76.0	78.1	78.3	75.3	72.0	72.6	70.7
67.8	72.7	71.5	71.8	71.4	71.5	70.0	72.6	71.0	72.2	73.3	74.7	72.2	64.0	71.6	72.7
49.7	58.1	62.9	65.9	70.0	73.6	76.9	81.2	73.6	74.3	73.9	72.2	71.6	71.5	64.3	73.2
59.2	70.2	73.1	72.3	73.7	73.7	71.9	73.7	72.5	72.0	76.1	74.3	73.9	67.9	60.1	67.6
79.7	78.5	80.4	78.9	79.0	79.6	81.4	79.6	88.2	83.2	87.9	87.0	88.7	81.5	84.0	78.8
67.2	75.2	74.8	73.9	73.2	65.8	69.7	70.7	69.8	69.2	73.0	73.8	67.7	68.9	68.9	69.0
61.9	69.1	71.9	71.3	71.7	75.1	70.2	78.4	77.6	80.4	76.9	75.6	79.0	73.7	70.7	63.6
58.3	63.1	62.0	59.1	58.3	56.6	56.1	60.4	64.1	64.4	67.2	65.6	63.2	59.3	57.4	60.6
82.2	61.9	45.1	77.5	81.6	62.7	73.7	71.6	66.2	88.8	66.6	69.6	80.1	83.9	88.0	78.0
63.9	70.9	72.2	72.4	74.4	75.1	72.8	74.5	76.5	75.8	77.7	76.9	76.1	70.0	67.6	68.5

4c Kapasiti Penggunaan Industri Pembuatan mengikut Negeri - Bulanan
Manufacturing Industry Capacity Utilisation by State – Monthly

Negeri State	2021				2022			
	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.
Johor	74.5	76.8	77.6	78.8	80.8	79.3	83.1	80.5
Kedah	83.0	82.7	84.1	83.9	84.6	86.7	83.3	87.0
Kelantan	74.1	76.2	75.0	76.2	87.9	79.6	83.0	80.0
Melaka	59.0	59.3	58.7	60.8	93.4	89.8	77.8	89.0
Negeri Sembilan	70.7	72.7	71.2	71.5	87.9	82.9	89.6	85.6
Pahang	80.6	85.6	81.7	81.6	73.2	81.4	80.1	79.7
Pulau Pinang	74.0	75.2	73.9	74.5	75.6	76.0	81.3	76.7
Perak	74.6	78.1	70.9	76.6	80.1	74.7	81.0	75.8
Perlis	66.5	70.1	72.4	71.3	78.0	76.6	78.0	78.2
Selangor	75.7	77.1	76.6	76.1	82.8	77.4	82.3	78.7
Terengganu	81.8	79.3	87.1	89.3	73.9	70.5	74.1	89.2
Sabah	68.9	73.5	76.5	71.1	69.8	68.8	78.6	74.2
Sarawak	60.8	66.5	77.4	77.5	77.3	90.5	80.1	76.2
Wilayah Persekutuan Kuala Lumpur & Wilayah Persekutuan Putrajaya	65.1	67.8	65.8	68.4	77.5	75.2	77.9	76.2
Wilayah Persekutuan Labuan	82.1	69.5	82.0	43.3	94.2	92.2	94.6	71.8
Malaysia	72.7	74.5	75.2	75.7	81.3	80.2	81.7	80.4

2023														
Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.
79.3	83.0	82.9	82.9	79.8	81.5	80.6	80.5	79.9	80.3	82.0	77.1	79.3	80.3	80.9
84.7	85.3	85.4	84.4	85.8	87.1	86.7	81.4	85.0	82.9	83.3	75.8	80.0	79.9	77.7
75.9	80.8	80.7	79.7	78.2	77.7	75.8	73.4	76.7	77.3	78.1	72.9	72.5	76.0	80.4
73.2	49.2	82.7	88.1	92.8	90.0	92.4	79.9	86.7	76.0	81.6	81.4	86.8	79.5	82.8
81.1	90.3	84.5	83.6	85.3	85.4	84.1	77.2	81.7	79.7	84.6	82.6	81.1	80.0	87.0
79.0	80.4	78.8	78.1	73.3	72.9	76.3	76.1	79.5	73.9	75.4	78.4	76.4	71.4	79.2
74.0	78.0	78.6	76.7	78.8	74.8	74.6	76.8	75.7	76.7	77.9	72.8	77.2	78.1	74.6
74.0	76.0	73.7	74.0	74.7	77.0	76.8	77.7	78.0	80.5	72.8	77.2	73.9	78.1	78.2
76.1	78.1	70.8	74.1	75.3	74.5	75.4	73.3	59.1	65.9	72.5	57.4	65.1	64.4	61.2
80.0	83.3	82.3	83.6	83.3	79.3	79.9	82.8	77.9	78.8	82.3	80.6	82.6	81.5	80.6
76.4	79.4	79.4	84.7	82.8	87.2	78.5	88.2	76.9	81.3	78.3	82.0	86.2	89.4	83.7
71.6	78.5	71.5	72.0	72.6	69.1	67.5	70.6	71.8	72.4	72.8	69.6	74.0	74.2	77.3
71.9	78.9	77.6	72.3	75.8	73.7	79.8	79.0	80.1	84.0	80.8	67.7	70.2	73.4	70.8
76.2	73.0	72.4	76.2	78.1	76.4	73.0	76.2	78.3	79.2	81.3	75.3	77.9	74.5	74.8
57.5	45.3	57.8	94.5	76.1	95.6	96.4	87.3	96.3	91.0	92.6	60.0	70.6	94.5	97.7
77.4	79.1	80.9	81.2	81.7	80.1	80.4	80.2	79.3	79.2	80.8	76.5	79.0	79.2	78.6

Jadual Statistik
Statistical Table

4c Kapasiti Penggunaan Industri Pembuatan mengikut Negeri - Bulanan
Manufacturing Industry Capacity Utilisation by State – Monthly

Negeri State	2023					2024			
	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac	
Johor	81.6	82.3	82.6	82.4	79.5	79.6	82.1	0.0	
Kedah	76.9	79.3	77.7	79.3	76.5	76.5	80.3	0.0	
Kelantan	76.4	70.6	77.0	71.3	72.9	68.1	70.9	0.0	
Melaka	87.5	85.6	82.0	84.2	77.9	77.8	77.5	0.0	
Negeri Sembilan	85.0	86.0	83.9	83.3	83.5	83.0	87.2	0.0	
Pahang	84.3	87.1	86.2	81.3	82.3	79.7	81.9	0.0	
Pulau Pinang	77.5	78.5	81.1	78.3	79.0	76.7	81.3	0.0	
Perak	75.9	77.3	78.6	77.4	82.2	75.6	83.4	0.0	
Perlis	60.3	75.1	72.3	72.3	73.5	64.4	74.2	0.0	
Selangor	82.4	84.1	81.8	82.9	81.2	82.9	82.9	0.0	
Terengganu	82.2	75.8	76.2	75.0	67.0	81.0	82.0	0.0	
Sabah	76.9	77.5	73.2	76.3	75.0	73.5	71.6	0.0	
Sarawak	70.6	69.7	76.4	75.1	78.5	80.0	80.0	0.0	
Wilayah Persekutuan Kuala Lumpur & Wilayah Persekutuan Putrajaya	74.0	75.7	75.2	77.3	78.8	76.6	83.2	0.0	
Wilayah Persekutuan Labuan	97.0	97.0	96.8	97.0	93.9	97.7	95.9	0.0	
Malaysia	79.6	80.1	80.4	80.1	79.2	79.8	81.6	0.0	

5 Faktor Kapasiti Industri Pembuatan di bawah Tahap Penggunaan - Peratus Sumbangan

Factors of Under-utilisation of Manufacturing Industry Capacity – Percentage Share

Keterangan Faktor Factor Description	2022					
	Jan.	Feb.	Mac	Apr.	Mei	Jun
Kurang menguntungkan untuk beroperasi pada keupayaan pengeluaran <i>Not most profitable to operate at full production capability</i>	4.2	4.2	4.4	4.9	4.9	5.1
Bekalan bahan tidak mencukupi <i>Insufficient supply of materials</i>	12.3	11.6	12.0	12.2	12.6	12.2
Pembaikan & penyelenggaraan mesin dan kelengkapan <i>Repair & maintenance of machinery and equipment</i>	9.0	8.6	9.5	9.2	9.2	9.4
Inventori yang mencukupi <i>Sufficient inventory</i>	5.0	4.9	5.2	5.3	5.5	5.6
Permintaan kurang <i>Low demand</i>	35.4	34.2	33.9	33.3	32.7	33.3
Kekurangan tenaga buruh <i>Insufficient supply of labour force</i>	10.5	10.7	12.0	12.2	12.1	12.1
Bahan bakar atau tenaga elektrik yang tidak mencukupi <i>Lack of sufficient fuel or electric energy</i>	0.3	0.4	0.4	0.4	0.4	0.4
Limitasi atau kerosakan mesin dan kelengkapan <i>Machinery and equipment limitations or failures</i>	3.9	3.8	3.9	4.3	3.9	4.1
Pekerja kurang kompeten <i>Incompetent workers</i>	2.5	2.7	2.6	2.5	2.7	2.7
Limitasi ruang penyimpanan <i>Storage limitations</i>	4.1	3.6	4.6	4.0	3.9	4.2
Kekangan logistik/ pengangkutan <i>Logistics/ transportation constraints</i>	2.4	2.1	2.0	2.1	2.3	1.9
Penutupan kilang sementara <i>Temporary plant shutdown</i>	1.2	1.7	0.9	0.8	0.9	0.8
Kekangan kewangan <i>Financial constraints</i>	1.5	1.3	1.3	1.4	1.1	1.2
Mogok atau pemberhentian pekerja <i>Strike or work stoppage</i>	0.1	0.1	0.1	0.1	0.1	0.1
Operasi bermusim <i>Seasonal operations</i>	3.1	3.5	3.2	3.7	3.2	3.0
Sekatan berkaitan alam sekitar <i>Environmental restrictions</i>	0.3	0.5	0.2	0.4	0.2	0.2
Isu kualiti produk atau perkhidmatan <i>Quality issues of products or services</i>	1.0	0.9	0.9	0.9	0.9	1.2
Lain-lain <i>Others</i>	3.4	5.3	2.9	2.5	3.5	2.7

5 Faktor Kapasiti Industri Pembuatan di bawah Tahap Penggunaan - Peratus Sumbangan

Factors of Under-utilisation of Manufacturing Industry Capacity – Percentage Share

Keterangan Faktor Factor Description	2022					
	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.
Kurang menguntungkan untuk beroperasi pada keupayaan pengeluaran <i>Not most profitable to operate at full production capability</i>	5.5	5.4	5.6	6.0	6.3	6.0
Bekalan bahan tidak mencukupi <i>Insufficient supply of materials</i>	12.1	12.3	12.4	12.2	11.8	12.0
Pembaikan & penyelenggaraan mesin dan kelengkapan <i>Repair & maintenance of machinery and equipment</i>	9.4	9.8	9.7	9.1	9.1	9.6
Inventori yang mencukupi <i>Sufficient inventory</i>	5.4	5.8	5.7	5.9	6.1	6.5
Permintaan kurang <i>Low demand</i>	34.2	33.2	34.8	35.2	35.2	34.0
Kekurangan tenaga buruh <i>Insufficient supply of labour force</i>	11.3	11.2	10.3	10.1	10.0	9.8
Bahan bakar atau tenaga elektrik yang tidak mencukupi <i>Lack of sufficient fuel or electric energy</i>	0.4	0.3	0.3	0.4	0.4	0.4
Limitasi atau kerosakan mesin dan kelengkapan <i>Machinery and equipment limitations or failures</i>	3.9	4.1	4.1	4.0	3.7	4.0
Pekerja kurang kompeten <i>Incompetent workers</i>	2.7	2.9	2.4	2.2	2.5	2.5
Limitasi ruang penyimpanan <i>Storage limitations</i>	4.4	4.2	4.0	3.9	4.1	4.2
Kekangan logistik/ pengangkutan <i>Logistics/ transportation constraints</i>	1.8	1.9	1.5	1.4	1.6	1.5
Penutupan kilang sementara <i>Temporary plant shutdown</i>	0.6	0.6	0.6	0.6	0.8	0.7
Kekangan kewangan <i>Financial constraints</i>	1.2	1.1	1.3	1.7	1.5	1.5
Mogok atau pemberhentian pekerja <i>Strike or work stoppage</i>	0.1	0.1	0.1	0.1	0.1	0.1
Operasi bermusim <i>Seasonal operations</i>	3.0	3.0	3.1	3.2	3.1	3.2
Sekatan berkaitan alam sekitar <i>Environmental restrictions</i>	0.3	0.2	0.1	0.2	0.3	0.2
Isu kualiti produk atau perkhidmatan <i>Quality issues of products or services</i>	1.0	1.0	0.9	0.9	1.0	1.0
Lain-lain <i>Others</i>	2.7	2.8	2.7	2.7	2.6	2.8

2023												2024		
Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac
5.5	5.0	5.6	5.4	5.4	5.2	5.3	5.4	5.2	5.4	5.2	4.9	4.5	4.5	5.1
11.0	10.8	10.9	11.1	10.9	10.6	11.1	11.2	11.4	10.9	11.0	10.7	11.2	11.3	10.8
9.0	9.4	9.2	8.7	8.6	9.1	9.1	8.7	8.9	8.8	9.2	8.1	8.7	8.0	7.7
5.2	5.9	6.2	5.5	5.9	6.5	6.1	6.2	5.8	5.6	6.2	6.9	6.0	5.8	6.4
36.6	36.5	37.3	39.4	40.3	39.3	40.8	40.0	41.5	41.6	41.9	42.3	41.6	42.2	43.0
9.0	8.5	8.0	7.9	7.4	7.6	7.2	7.4	7.1	6.9	6.8	7.0	6.5	6.4	6.7
0.3	0.3	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.4	0.4	0.3	0.3	0.5	0.5
3.5	3.9	3.8	3.6	3.8	3.7	3.6	3.5	3.6	3.6	3.5	3.5	3.6	3.8	3.7
2.6	2.4	2.4	2.2	2.2	2.2	2.1	2.0	2.3	1.9	1.7	1.9	2.2	2.0	2.0
3.9	4.4	4.6	3.6	4.0	4.2	4.3	4.2	3.6	4.3	4.0	3.8	4.2	3.7	3.7
1.6	1.4	1.2	1.3	1.3	1.4	1.2	1.5	1.3	0.9	1.2	1.1	1.5	1.4	1.3
1.2	0.9	0.9	1.1	0.6	0.9	0.7	0.7	0.8	0.7	0.8	0.7	0.7	1.0	0.6
1.6	1.8	1.6	1.5	1.5	1.5	1.7	1.6	1.4	1.5	1.2	1.5	1.6	1.5	1.3
0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
3.9	3.6	3.2	3.2	3.2	3.4	3.0	3.1	3.2	3.4	3.2	3.4	3.4	3.6	3.3
0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
1.3	1.5	1.2	1.1	1.0	0.9	0.9	1.5	1.2	1.3	1.0	1.2	1.4	1.3	1.3
3.4	3.2	3.2	3.6	3.1	2.7	2.2	2.3	2.3	2.4	2.6	2.4	2.3	2.8	2.3

Jadual Statistik
Statistical Table

6

Kapasiti Penggunaan Industri Pembuatan mengikut Negara Terpilih

Manufacturing Industry Capacity Utilisation by Selected Country

Negara Country	2018	2019	2020	2021	2022	2023
Canada	80.8	78.7	72.5	76.3	77.2	77.6
China	76.5	76.6	74.1	77.5	75.6	75.1
Germany	87.6	84.5	77.4	84.9	85.2	83.4
Indonesia	74.4	75.4	67.3	69.8	72.4	73.2
Philippines	74.5	71.3	56.8	65.8	71.1	73.6
South Korea	73.8	73.2	71.3	74.8	74.8	71.9
Thailand	68.6	65.3	60.1	63.3	62.8	59.6
United States	78.3	77.0	72.5	77.2	79.2	77.8

2018				2019				2020				2021			
Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
81.5	81.9	80.2	79.6	78.3	80.2	78.3	78.0	74.2	64.0	75.2	76.4	76.5	76.8	75.6	76.1
76.5	76.8	76.5	76.0	75.9	76.4	76.4	77.5	67.3	74.4	76.7	78.0	77.2	78.4	77.1	77.4
88.0	87.7	87.7	87.0	86.2	85.3	83.9	82.6	83.1	70.6	74.9	81.0	82.2	85.4	86.5	85.4
73.4	75.7	73.9	74.6	75.9	76.2	74.7	74.6	71.8	61.8	67.4	68.4	69.1	71.9	68.8	69.3
75.6	74.8	74.5	73.2	72.3	72.2	71.3	69.4	65.6	53.0	56.5	51.9	64.3	65.2	66.0	67.7
72.7	74.8	74.3	73.4	71.9	72.3	74.6	74.1	73.0	66.9	71.5	73.6	74.6	73.2	74.5	76.7
71.6	67.0	67.6	68.1	70.4	64.8	64.2	62.0	66.0	52.1	59.4	63.0	66.6	62.9	58.7	64.8
77.7	78.4	78.8	78.4	77.5	77.1	77.0	76.5	75.7	65.8	73.4	75.0	75.7	76.9	77.6	78.7

6 Kapasiti Penggunaan Industri Pembuatan mengikut Negara Terpilih
Manufacturing Industry Capacity Utilisation by Selected Country

Negara Country	2022				2023				2024
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1
Canada	77.0	77.9	76.8	77.0	77.9	78.0	77.6	76.9	n.a
China	75.8	75.1	75.6	75.7	74.3	74.5	75.6	75.9	73.6
Germany	86.0	84.9	85.1	84.9	84.4	84.3	82.9	81.9	81.0
Indonesia	72.0	72.6	73.1	71.9	72.3	73.6	74.4	72.8	72.9
Philippines	70.0	70.5	71.5	72.2	73.0	73.1	74.0	74.5	75.0
South Korea	78.9	76.0	74.3	69.9	70.6	72.0	72.3	72.5	72.6
Thailand	66.8	61.2	62.8	60.3	64.2	58.6	58.4	57.4	60.5
United States	79.2	79.6	79.4	78.5	78.2	78.0	77.7	77.2	76.9

Nota / Note :
n.a - **Canada ST1 2024 akan diterbitkan pada Jun 2024 / Canada Q1 2024 will be released on June 2024**

7a Indeks Pengeluaran Perindustrian Sektor Pembuatan mengikut Kumpulan – Tahunan

Industrial Production Index of Manufacturing Sector by Group – Yearly

Bil. No.	Wajaran Weights 2015	Kod Codes	Keterangan Subsektor Sub-sector Description	2017	2018	2019	2020	2021	2022	2023
	68.25	C	PEMBUATAN MANUFACTURING	110.7	115.6	120.1	116.9	128.1	138.5	139.5
1	8.55		Makanan, Minuman dan Tembakau Food, Beverages and Tobacco	113.2	116.9	120.2	118.5	120.5	127.6	134.5
1.1	7.39	10	Pembuatan produk makanan Manufacture of food products	113.1	117.1	120.1	121.0	123.2	128.7	135.5
1.2	0.65	11	Pembuatan minuman Manufacture of beverages	119.9	123.6	127.2	108.7	119.4	135.3	137.7
1.3	0.52	12	Pembuatan produk tembakau Manufacture of tobacco products	105.4	106.8	113.6	95.4	83.6	102.2	116.4
2	1.33		Produk Tekstil, Pakaian, Kulit dan Kasut Textiles, Wearing Apparel, Leather Products and Footwear	115.3	119.8	126.6	110.3	118.4	125.0	126.4
2.1	0.58	13	Pembuatan tekstil Manufacture of textiles	109.4	112.3	117.5	102.0	115.6	120.5	114.9
2.2	0.60	14	Pembuatan pakaian Manufacture of wearing apparel	120.9	126.9	135.4	120.0	121.9	124.6	130.2
2.3	0.15	15	Pembuatan produk kulit dan barangan berkaitan Manufacture of leather and related products	115.5	119.7	125.9	103.4	115.3	144.7	155.9
3	4.56		Produk Kayu, Perabot, Keluaran Kertas dan Percetakan Wood Products, Furniture, Paper Products and Printing	110.7	115.3	122.1	113.3	120.4	129.5	129.5
3.1	1.44	16	Pembuatan kayu dan produk kayu dan gabus, kecuali perabot; pembuatan bagi artikel jerami dan bahan-bahan anyaman Manufacture of wood and products of wood and cork, except furniture; manufacture of articles of straw and plaiting materials	106.8	112.3	118.4	104.0	113.6	121.2	115.8
3.2	1.15	17	Pembuatan kertas dan produk kertas Manufacture of paper and paper products	110.3	114.6	120.0	116.5	133.8	143.9	149.7
3.3	0.93	18	Percetakan dan penerbitan semula media rakaman Printing and reproduction of recorded media	110.2	114.2	119.2	113.1	116.6	124.6	132.2
3.4	1.04	31	Pembuatan perabot Manufacture of furniture	116.7	121.4	132.0	122.8	118.3	129.5	123.5
4	20.60		Produk Petroleum, Kimia, Getah dan Plastik Petroleum, Chemical, Rubber and Plastic Products	108.3	112.3	115.9	115.0	130.1	131.3	130.1
4.1	9.36	19	Pembuatan kok dan produk petroleum bertapis Manufacture of coke and refined petroleum products	106.7	110.0	113.2	101.2	112.9	120.0	118.1
4.2	6.37	20	Pembuatan kimia dan produk kimia Manufacture of chemicals and chemical products	110.6	115.2	117.5	109.2	119.5	124.4	129.7
4.3	0.38	21	Pembuatan produk farmaseutikal asas, kimia perubatan dan botani Manufacture of basic pharmaceuticals, medicinal chemical and botanical products	109.4	115.2	120.7	138.2	159.9	169.7	168.4
4.4	4.49	22	Pembuatan produk getah dan plastik Manufacture of rubber and plastics products	108.4	112.7	118.9	150.2	178.4	161.2	152.6
5	9.11		Produk Mineral Bukan Logam, Logam Asas dan Produk Logam yang Direka Non-metallic Mineral Products, Basic Metal and Fabricated Metal Products	109.2	114.1	119.1	104.4	108.2	116.5	122.5
5.1	2.97	23	Pembuatan produk galian bukan logam lain Manufacture of other non-metallic mineral products	109.1	114.7	120.3	103.1	104.2	113.7	118.8
5.2	2.35	24	Pembuatan logam asas Manufacture of basic metals	107.6	111.8	116.6	111.0	114.2	121.9	125.5
5.3	3.79	25	Pembuatan produk logam yang direka, kecuali mesin dan kelengkapan Manufacture of fabricated metal products, except machinery and equipment	110.1	115.1	119.8	101.3	107.7	115.3	123.5
6	18.23		Produk Peralatan Elektrik dan Elektronik Electrical and Electronics Products	115.3	121.5	125.9	128.7	147.7	168.8	165.9
6.1	13.89	26	Pembuatan komputer, produk elektronik dan optikal Manufacture of computer, electronics and optical products	116.2	123.3	127.7	130.9	151.3	175.4	171.9
6.2	2.20	27	Pembuatan kelengkapan elektrik Manufacture of electrical equipment	112.5	115.1	119.5	120.6	135.3	148.4	147.2
6.3	2.14	28	Pembuatan jentera dan peralatan t.t.t.l. Manufacture of machinery and equipment n.e.c.	112.5	116.9	121.4	122.8	137.1	146.7	146.1
7	5.87		Kelengkapan Pengangkutan dan Pembuatan Lain Transport Equipment and Other Manufactures	102.7	108.3	115.2	108.7	110.1	130.0	135.3
7.1	3.17	29	Pembuatan kenderaan bermotor, treler dan semi treler Manufacture of motor vehicles, trailers and semi-trailers	99.9	105.8	113.9	112.0	112.9	141.7	148.2
7.2	1.19	30	Pembuatan kelengkapan pengangkutan lain Manufacture of other transport equipment	100.7	104.4	109.7	95.2	97.9	104.8	107.6
7.3	0.74	32	Pembuatan lain Other manufacturing	102.3	107.2	113.3	104.7	107.5	118.2	121.3
7.4	0.76	33	Mbaiki dan pemasangan jentera dan kelengkapan Repair and installation of machinery and equipment	117.8	125.7	131.2	120.0	119.9	132.1	138.6

7b Indeks Pengeluaran Perindustrian Sektor Pembuatan mengikut Kumpulan – Suku Tahunan

Industrial Production Index of Manufacturing Sector by Group – Quarterly

Bil. No.	Wajaran Weights 2015	Kod Codes	Keterangan Subsektor Sub-sector Description	2017				2018			
				Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
1	68.25	C	PEMBUATAN MANUFACTURING	105.8	109.4	113.2	114.4	111.4	114.5	118.6	119.5
	8.55		Makanan, Minuman dan Tembakau Food, Beverages and Tobacco	101.7	108.4	120.1	122.4	110.0	112.6	122.4	122.3
	1.1	7.39	10 Pembuatan produk makanan Manufacture of food products	100.4	107.4	121.1	123.5	109.7	111.5	123.2	123.0
	1.2	0.65	11 Pembuatan minuman Manufacture of beverages	110.1	120.8	121.3	127.6	112.8	127.0	125.9	129.0
	1.3	0.52	12 Pembuatan produk tembakau Manufacture of tobacco products	110.2	107.7	104.0	99.5	110.0	109.6	106.8	102.8
2	1.33		Produk Tekstil, Pakaian, Kulit dan Kasut Textiles, Wearing Apparel, Leather Products and Footwear	109.2	116.7	112.4	122.7	116.5	121.3	115.7	127.3
	2.1	0.58	13 Pembuatan tekstil Manufacture of textiles	104.4	110.6	110.8	111.7	109.5	113.4	113.1	114.1
	2.2	0.60	14 Pembuatan pakaian Manufacture of wearing apparel	111.3	121.9	114.8	135.5	121.0	128.0	118.8	142.8
	2.3	0.15	15 Pembuatan produk kulit dan barangan berkaitan Manufacture of leather and related products	119.7	119.0	109.2	114.0	125.1	125.2	113.0	116.1
3	4.56		Produk Kayu, Perabot, Keluaran Kertas dan Percetakan Wood Products, Furniture, Paper Products and Printing	110.0	109.3	108.9	114.4	114.5	113.3	115.7	119.9
	3.1	1.44	16 Pembuatan kayu dan produk kayu dan gabus, kecuali perabot; pembuatan bagi artikel jerami dan bahan-bahan anyaman Manufacture of wood and products of wood and cork, except furniture; manufacture of articles of straw and plaiting materials	105.5	107.3	103.3	111.2	111.8	111.4	110.6	117.7
	3.2	1.15	17 Pembuatan kertas dan produk kertas Manufacture of paper and paper products	111.3	108.8	107.0	114.2	115.4	115.0	112.5	117.1
	3.3	0.93	18 Percetakan dan penerbitan semula media rakaman Printing and reproduction of recorded media	103.2	109.7	110.8	117.0	107.1	112.6	116.0	122.0
	3.4	1.04	31 Pembuatan perabot Manufacture of furniture	121.0	112.2	117.0	116.7	123.7	114.7	126.2	124.0
4	20.60		Produk Petroleum, Kimia, Getah dan Plastik Petroleum, Chemical, Rubber and Plastic Products	106.2	107.1	108.1	111.8	111.3	111.1	112.2	115.9
	4.1	9.36	19 Pembuatan kok dan produk petroleum bertapis Manufacture of coke and refined petroleum products	108.6	104.8	103.0	110.2	113.4	107.3	105.3	114.7
	4.2	6.37	20 Pembuatan kimia dan produk kimia Manufacture of chemicals and chemical products	104.8	110.6	113.1	113.8	111.6	116.7	118.1	115.4
	4.3	0.38	21 Pembuatan produk farmaseutikal asas, kimia perubatan dan botani Manufacture of basic pharmaceuticals, medicinal chemical and botanical products	97.8	113.3	114.7	111.9	105.5	119.0	121.2	117.9
	4.4	4.49	22 Pembuatan produk getah dan plastik Manufacture of rubber and plastics products	103.9	106.4	111.2	112.1	107.0	110.3	117.4	118.9
5	9.11		Produk Mineral Bukan Logam, Logam Asas dan Produk Logam yang Direka Non-metallic Mineral Products, Basic Metal and Fabricated Metal Products	104.6	109.5	111.7	110.8	110.1	115.1	117.3	115.5
	5.1	2.97	23 Pembuatan produk galian bukan logam lain Manufacture of other non-metallic mineral products	103.3	108.0	110.3	114.8	109.6	114.2	117.0	119.6
	5.2	2.35	24 Pembuatan logam asas Manufacture of basic metals	101.3	109.4	113.1	106.8	107.0	113.0	117.3	111.1
	5.3	3.79	25 Pembuatan produk logam yang direka, kecuali mesin dan kelengkapan Manufacture of fabricated metal products, except machinery and equipment	107.7	110.7	111.9	110.2	112.4	117.1	117.6	115.0
	18.23		Produk Peralatan Elektrik dan Elektronik Electrical and Electronics Products	105.9	115.5	120.8	119.1	111.9	122.1	128.1	126.9
6	13.89	26	Pembuatan komputer, produk elektronik dan optikal Manufacture of computer, electronics and optical products	105.0	114.4	122.4	123.1	111.5	121.6	131.1	132.0
	2.20	27	Pembuatan kelengkapan elektrik Manufacture of electrical equipment	107.2	117.2	115.4	110.3	109.8	119.9	118.5	114.0
	2.14	28	Pembuatan jentera dan peralatan t.t.t.l. Manufacture of machinery and equipment n.e.c.	110.2	120.9	116.5	102.4	116.4	127.5	118.5	106.9
	5.87		Kelengkapan Pengangkutan dan Pembuatan Lain Transport Equipment and Other Manufactures	108.1	98.6	103.6	100.5	110.6	104.4	111.4	109.0
	3.17	29	Pembuatan kenderaan bermotor, treler dan semi treler Manufacture of motor vehicles, trailers and semi-trailers	112.9	94.9	93.4	98.4	113.5	101.8	102.9	107.8
7	1.19	30	Pembuatan kelengkapan pengangkutan lain Manufacture of other transport equipment	99.5	96.0	108.9	98.5	102.6	98.5	113.0	104.7
	0.74	32	Pembuatan lain Other manufacturing	104.8	97.0	107.0	100.3	107.9	102.0	114.1	106.4
	0.76	33	Membbaiki dan pemasangan jentera dan kelengkapan Repair and installation of machinery and equipment	104.8	119.6	134.2	112.6	113.8	126.3	141.8	123.2

2019				2020				2021			
Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
115.9	119.2	122.6	122.8	117.3	97.7	126.5	126.3	125.3	123.4	125.6	137.9
115.7	117.3	124.3	123.7	111.1	116.6	130.9	115.5	111.0	118.9	124.2	127.9
115.5	116.2	124.7	124.0	110.6	125.4	133.1	114.9	109.7	122.9	132.5	127.6
115.0	131.1	129.8	132.8	114.1	81.0	116.9	122.8	116.3	112.3	111.7	137.5
118.9	115.8	111.6	108.0	114.9	35.8	117.3	113.7	122.6	69.5	21.3	121.1
121.9	128.2	121.8	134.4	125.4	73.5	110.5	132.0	128.3	102.6	104.9	137.9
113.4	120.1	118.2	118.1	116.0	71.9	104.5	115.6	121.4	105.5	109.4	125.9
128.2	134.8	125.6	153.1	132.5	75.4	120.7	151.6	132.0	94.5	107.6	153.7
129.2	132.5	119.9	122.0	132.8	72.2	92.4	116.1	139.7	124.7	76.7	120.0
120.6	119.5	122.3	125.8	121.9	80.0	122.5	128.8	127.6	111.3	106.3	136.4
117.4	116.4	117.0	122.8	120.1	67.8	107.0	121.2	119.2	105.7	97.7	131.9
119.5	120.5	117.6	122.2	118.2	96.5	123.2	128.2	130.8	121.9	133.5	149.0
112.5	117.7	122.1	124.4	114.7	83.3	126.0	128.5	119.5	107.2	109.4	130.5
133.6	124.2	135.0	135.3	135.0	75.6	140.2	140.4	142.7	111.1	85.6	133.7
114.8	114.7	115.4	118.8	120.0	98.8	117.8	123.4	131.0	127.7	131.3	130.3
116.6	110.4	108.5	117.3	120.8	78.8	98.0	107.1	113.7	105.9	115.6	116.3
113.4	119.0	120.4	117.3	115.5	96.8	111.4	113.1	120.7	112.9	119.5	125.0
112.1	123.6	125.6	121.5	117.0	140.0	154.5	141.5	142.1	155.1	173.4	169.1
113.2	116.7	121.8	124.0	125.0	139.8	165.4	170.5	181.0	191.8	177.3	163.6
114.6	119.9	122.2	119.8	114.5	71.6	114.0	117.5	115.9	95.5	97.5	123.9
115.0	119.4	122.2	124.6	114.4	63.2	112.2	122.6	117.3	86.7	88.0	124.7
110.5	117.4	121.9	116.5	111.5	85.7	126.2	120.7	115.6	104.1	109.2	127.7
116.8	121.9	122.3	118.2	116.5	69.4	107.8	111.5	115.0	97.1	97.7	121.0
115.5	126.7	131.8	129.7	117.3	114.1	143.6	139.8	129.6	145.1	153.1	162.8
115.0	126.6	134.8	134.2	117.5	112.2	147.6	146.1	131.5	145.1	157.8	170.6
115.6	122.8	120.9	118.5	114.3	112.5	131.6	123.9	122.3	138.6	137.3	142.8
118.8	131.3	123.9	111.7	118.8	127.9	129.5	115.0	124.8	151.3	138.8	133.4
117.8	111.2	118.1	113.9	115.9	74.9	123.1	120.8	124.8	104.9	85.7	125.0
121.2	110.9	111.0	112.6	119.2	76.5	124.6	127.5	135.2	111.9	74.0	130.4
108.6	103.2	118.6	108.3	105.2	65.3	106.5	103.9	104.6	84.1	96.2	106.8
113.2	106.5	118.4	115.1	113.7	63.2	125.5	116.4	115.1	99.6	92.7	122.5
122.0	129.6	146.2	127.0	121.1	94.8	140.4	123.7	122.3	113.2	110.9	133.2

7b Indeks Pengeluaran Perindustrian Sektor Pembuatan mengikut Kumpulan – Suku Tahunan

Industrial Production Index of Manufacturing Sector by Group – Quarterly

Bil. No.	Wajaran Weights 2015	Kod Codes	Keterangan Subsektor Sub-sector Description	2022				2023				2024
				Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1
1	68.25	C	PEMBUATAN MANUFACTURING	133.2	134.8	142.5	143.5	137.7	134.9	142.3	143.2	140.6
	8.55		Makanan, Minuman dan Tembakau Food, Beverages and Tobacco	117.3	125.5	135.4	132.1	126.0	129.4	141.2	141.4	126.5
	1.1	7.39	10 Pembuatan produk makanan Manufacture of food products	115.9	125.9	139.7	133.2	124.8	128.7	145.6	142.9	123.9
	1.2	0.65	11 Pembuatan minuman Manufacture of beverages	125.1	137.7	137.6	140.7	123.2	140.4	138.8	148.3	130.3
2	0.52	12	Pembuatan produk tembakau Manufacture of tobacco products	127.6	104.2	71.4	105.4	147.4	125.2	81.3	111.5	158.8
	1.33		Produk Tekstil, Pakaian, Kulit dan Kasut Textiles, Wearing Apparel, Leather Products and Footwear	134.7	110.1	118.1	137.3	135.7	114.3	118.5	137.2	137.8
	2.1	0.58	13 Pembuatan tekstil Manufacture of textiles	129.5	109.5	118.6	124.4	125.0	105.7	111.3	117.5	125.8
	2.2	0.60	14 Pembuatan pakaian Manufacture of wearing apparel	137.7	100.5	111.6	148.4	141.4	109.9	117.8	151.8	142.8
3	0.15	15	Pembuatan produk kulit dan barangan berkaitan Manufacture of leather and related products	143.1	151.6	142.3	142.0	153.9	165.9	149.6	154.1	163.8
	4.56		Produk Kayu, Perabot, Keluaran Kertas dan Percetakan Wood Products, Furniture, Paper Products and Printing	136.4	124.6	124.3	132.8	131.2	123.3	125.4	138.0	136.8
	3.1	1.44	16 Pembuatan kayu dan produk kayu dan gabus, kecuali perabot; pembuatan bagi artikel jerami dan bahan-bahan anyaman Manufacture of wood and products of wood and cork, except furniture; manufacture of articles of straw and plaiting materials	130.3	117.9	116.0	120.8	119.0	111.9	112.8	119.5	118.5
	3.2	1.15	17 Pembuatan kertas dan produk kertas Manufacture of paper and paper products	142.0	132.5	149.4	151.5	147.3	136.9	153.6	161.0	152.9
4	0.93	18	Percetakan dan penerbitan semula media rakaman Printing and reproduction of recorded media	121.7	119.7	118.7	138.2	126.2	127.6	129.4	145.7	132.7
	1.04	31	Pembuatan perabot Manufacture of furniture	151.7	129.5	113.0	123.7	134.5	120.3	107.9	131.4	148.0
	20.60		Produk Petroleum, Kimia, Getah dan Plastik Petroleum, Chemical, Rubber and Plastic Products	130.2	126.6	136.9	131.5	132.9	124.3	132.9	130.3	134.8
	4.1	9.36	19 Pembuatan kok dan produk petroleum bertapis Manufacture of coke and refined petroleum products	118.6	110.7	128.4	122.3	128.0	108.7	117.5	118.1	128.5
5	6.37	20	Pembuatan kimia dan produk kimia Manufacture of chemicals and chemical products	125.7	120.1	124.6	127.2	129.2	125.9	133.3	130.4	128.7
	0.38	21	Pembuatan produk farmaseutikal asas, kimia perubatan dan botani Manufacture of basic pharmaceuticals, medicinal chemical and botanical products	156.2	162.7	185.6	174.3	165.3	163.1	176.1	169.2	174.2
	4.49	22	Pembuatan produk getah dan plastik Manufacture of rubber and plastics products	158.3	166.0	167.8	152.9	145.9	151.4	160.9	152.3	153.1
	9.11		Produk Mineral Bukan Logam, Logam Asas dan Produk Logam yang Direka Non-metallic Mineral Products, Basic Metal and Fabricated Metal Products	122.6	105.9	110.9	126.5	126.8	111.8	117.0	134.3	135.7
6	2.97	23	Pembuatan produk galian bukan logam lain Manufacture of other non-metallic mineral products	124.4	98.7	104.6	127.1	128.8	101.5	109.8	135.0	137.0
	2.35	24	Pembuatan logam asas Manufacture of basic metals	123.9	115.3	120.7	127.8	126.0	120.9	124.1	131.1	128.6
	3.79	25	Pembuatan produk logam yang direka, kecuali mesin dan kelengkapan Manufacture of fabricated metal products, except machinery and equipment	120.3	105.9	109.7	125.2	125.8	114.1	118.3	135.8	139.0
	18.23		Produk Peralatan Elektrik dan Elektronik Electrical and Electronics Products	149.5	167.8	179.8	178.0	155.0	165.3	175.5	167.7	156.4
7	13.89	26	Pembuatan komputer, produk elektronik dan optikal Manufacture of computer, electronics and optical products	153.7	171.8	187.5	188.7	160.2	168.4	182.9	176.0	161.7
	2.20	27	Pembuatan kelengkapan elektrik Manufacture of electrical equipment	142.2	152.3	151.4	147.6	141.8	153.1	151.8	142.2	140.0
	2.14	28	Pembuatan jentera dan peralatan t.t.t.l. Manufacture of machinery and equipment n.e.c.	130.2	157.7	158.9	140.0	135.1	157.6	151.7	140.2	138.8
	5.87		Kelengkapan Pengangkutan dan Pembuatan Lain Transport Equipment and Other Manufactures	130.4	133.1	125.5	131.0	140.2	135.2	131.5	134.4	143.6
	3.17	29	Pembuatan kenderaan bermotor, treler dan semi treler Manufacture of motor vehicles, trailers and semi-trailers	141.2	153.7	134.9	137.1	156.0	153.2	143.0	140.4	158.2
	1.19	30	Pembuatan kelengkapan pengangkutan lain Manufacture of other transport equipment	107.3	92.8	106.4	112.7	110.1	97.3	109.1	113.9	114.5
	0.74	32	Pembuatan lain Other manufacturing	119.9	115.2	111.7	126.0	122.6	119.1	112.5	131.2	125.5
	0.76	33	Membaiki dan pemasangan jentera dan kelengkapan Repair and installation of machinery and equipment	131.4	128.1	129.4	139.4	138.4	135.1	136.7	144.4	145.5

7c Indeks Pengeluaran Perindustrian Sektor Pembuatan mengikut Kumpulan – Bulanan

Industrial Production Index of Manufacturing Sector by Group – Monthly

Bil. No.	Wajaran Weights 2015	Kod Codes	Keterangan Subsektor Sub-sector Description	2017								
				Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.
	68.25	C	PEMBUATAN MANUFACTURING	108.3	99.7	109.5	105.9	110.6	111.8	113.1	113.0	113.7
1	8.55		Makanan, Minuman dan Tembakau Food, Beverages and Tobacco	101.2	98.8	105.2	109.5	110.6	105.2	124.2	120.1	115.9
1.1	7.39	10	Pembuatan produk makanan Manufacture of food products	99.4	97.7	104.1	109.6	109.7	102.9	125.9	120.8	116.6
1.2	0.65	11	Pembuatan minuman Manufacture of beverages	115.6	102.4	112.3	111.8	123.0	127.4	120.7	122.3	121.0
1.3	0.52	12	Pembuatan produk tembakau Manufacture of tobacco products	109.7	109.3	111.6	105.2	107.7	110.2	104.6	107.5	99.8
2	1.33		Produk Tekstil, Pakaian, Kulit dan Kasut Textiles, Wearing Apparel, Leather Products and Footwear	106.8	106.8	114.1	113.0	123.2	113.8	109.5	110.0	117.8
2.1	0.58	13	Pembuatan tekstil Manufacture of textiles	99.7	105.0	108.4	108.7	112.9	110.3	109.4	108.1	114.8
2.2	0.60	14	Pembuatan pakaian Manufacture of wearing apparel	109.1	106.7	118.0	115.3	132.5	117.9	109.2	111.8	123.4
2.3	0.15	15	Pembuatan produk kulit dan barangan berkaitan Manufacture of leather and related products	124.6	114.5	120.1	120.1	125.4	111.3	111.1	110.0	106.4
3	4.56		Produk Kayu, Perabot, Keluaran Kertas dan Percetakan Wood Products, Furniture, Paper Products and Printing	110.8	108.3	111.0	108.3	109.9	109.7	108.5	107.6	110.7
3.1	1.44	16	Pembuatan kayu dan produk kayu dan gabus, kecuali perabot; pembuatan bagi artikel jerami dan bahan-bahan Manufacture of wood and products of wood and cork, except furniture; manufacture of articles of straw and plaiting materials	104.0	103.6	108.9	108.9	106.5	106.4	103.6	103.1	103.3
3.2	1.15	17	Pembuatan kertas dan produk kertas Manufacture of paper and paper products	112.9	109.1	111.8	113.7	109.2	103.4	103.2	100.1	117.8
3.3	0.93	18	Percetakan dan penerbitan semula media rakaman Printing and reproduction of recorded media	110.3	102.4	96.9	107.3	105.3	116.4	115.0	109.5	107.9
3.4	1.04	31	Pembuatan perabot Manufacture of furniture	118.2	119.2	125.7	102.3	119.3	115.0	115.1	120.5	115.4
4	20.60		Produk Petroleum, Kimia, Getah dan Plastik Petroleum, Chemical, Rubber and Plastic Products	105.5	102.6	110.5	102.3	109.4	109.6	108.3	107.2	108.8
4.1	9.36	19	Pembuatan kok dan produk petroleum bertapis Manufacture of coke and refined petroleum products	108.8	104.3	112.9	97.3	107.6	109.5	105.6	100.0	103.3
4.2	6.37	20	Pembuatan kimia dan produk kimia Manufacture of chemicals and chemical products	102.3	101.3	110.8	108.0	111.3	112.6	110.0	114.8	114.6
4.3	0.38	21	Pembuatan produk farmaseutikal asas, kimia perubatan dan botani Manufacture of basic pharmaceuticals, medicinal chemical and botanical products	89.4	99.7	104.4	113.3	127.5	99.1	112.0	110.9	121.2
4.4	4.49	22	Pembuatan produk getah dan plastik Manufacture of rubber and plastics products	104.5	101.4	105.8	103.9	109.0	106.3	111.3	111.2	111.2
5	9.11		Produk Mineral Bukan Logam, Logam Asas dan Produk Logam yang Direka Non-metallic Mineral Products, Basic Metal and Fabricated Metal Products	108.4	97.1	108.4	107.6	109.2	111.7	114.1	111.0	110.1
5.1	2.97	23	Pembuatan produk galian bukan logam lain Manufacture of other non-metallic mineral products	103.8	97.1	109.1	105.9	107.4	110.8	109.8	112.1	109.1
5.2	2.35	24	Pembuatan logam asas Manufacture of basic metals	98.3	97.6	107.9	107.7	107.4	113.1	118.1	110.9	110.4
5.3	3.79	25	Pembuatan produk logam yang direka, kecuali mesin dan kelengkapan Manufacture of fabricated metal products, except machinery and equipment	118.2	96.7	108.1	108.8	111.8	111.6	115.1	110.2	110.6
6	18.23		Produk Peralatan Elektrik dan Elektronik Electrical and Electronics Products	113.0	94.7	110.0	109.0	115.7	121.8	119.4	120.1	123.0
6.1	13.89	26	Pembuatan komputer, produk elektronik dan optikal Manufacture of computer, electronics and optical products	114.9	92.1	108.1	105.6	114.2	123.3	120.3	120.5	126.2
6.2	2.20	27	Pembuatan kelengkapan elektrik Manufacture of electrical equipment	110.7	99.1	111.7	115.0	116.9	119.7	112.0	114.0	120.4
6.3	2.14	28	Pembuatan jentera dan peralatan t.t.l. Manufacture of machinery and equipment n.e.c.	103.4	107.1	120.1	124.6	123.8	114.4	121.4	123.7	104.3
7	5.87		Kelengkapan Pengangkutan dan Pembuatan Lain Transport Equipment and Other Manufactures	111.7	102.4	110.2	97.7	98.5	99.7	96.8	108.4	105.6
7.1	3.17	29	Pembuatan kenderaan bermotor, treler dan semi treler Manufacture of motor vehicles, trailers and semi-trailers	119.5	111.0	108.2	97.6	93.9	93.3	89.6	98.3	92.4
7.2	1.19	30	Pembuatan kelengkapan pengangkutan lain Manufacture of other transport equipment	99.3	86.4	113.0	92.6	97.4	97.9	82.1	126.3	118.3
7.3	0.74	32	Pembuatan lain Other manufacturing	110.6	100.7	103.0	96.0	93.8	101.3	102.6	104.4	114.1
7.4	0.76	33	Membaiki dan pemasangan jentera dan kelengkapan Repair and installation of machinery and equipment	99.8	93.0	121.6	107.8	123.4	127.6	143.8	126.6	132.0

7c Indeks Pengeluaran Perindustrian Sektor Pembuatan mengikut Kumpulan – Bulanan

Industrial Production Index of Manufacturing Sector by Group – Monthly

Bil. No.	Wajaran Weights 2015	Kod Codes	Keterangan Subsektor Sub-sector Description	2017		2018						
				Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.	Mei	Jun
	68.25	C	PEMBUATAN MANUFACTURING	115.5	113.9	113.7	115.7	104.4	114.0	111.6	115.1	116.9
1	8.55		Makanan, Minuman dan Tembakau Food, Beverages and Tobacco	120.2	121.9	125.2	117.5	100.9	111.6	114.6	114.3	108.8
1.1	7.39	10	Pembuatan produk makanan Manufacture of food products	121.2	122.8	126.6	117.9	100.0	111.4	114.6	113.4	106.5
1.2	0.65	11	Pembuatan minuman Manufacture of beverages	127.4	126.4	129.1	119.1	104.3	115.0	120.5	128.0	132.6
1.3	0.52	12	Pembuatan produk tembakau Manufacture of tobacco products	95.6	103.7	99.3	110.1	109.5	110.3	106.9	109.6	112.3
2	1.33		Produk Tekstil, Pakaian, Kulit dan Kasut Textiles, Wearing Apparel, Leather Products and Footwear	121.5	126.6	120.2	116.9	114.4	118.1	117.4	125.9	120.8
2.1	0.58	13	Pembuatan tekstil Manufacture of textiles	111.8	120.9	102.2	107.4	110.0	111.2	111.1	114.8	114.4
2.2	0.60	14	Pembuatan pakaian Manufacture of wearing apparel	135.2	134.1	137.3	122.9	117.7	122.6	121.0	135.4	127.5
2.3	0.15	15	Pembuatan produk kulit dan barangan berkaitan Manufacture of leather and related products	103.7	117.8	120.5	129.5	118.7	127.0	127.5	130.2	117.8
3	4.56		Produk Kayu, Perabot, Keluaran Kertas dan Percetakan Wood Products, Furniture, Paper Products and Printing	110.0	115.0	118.2	115.5	112.2	115.7	111.6	112.8	115.6
3.1	1.44	16	Pembuatan kayu dan produk kayu dan gabus, kecuali perabot; pembuatan bagi artikel jerami dan bahan-bahan Manufacture of wood and products of wood and cork, except furniture; manufacture of articles of straw and plaiting materials	107.4	112.4	113.9	111.8	111.2	112.5	112.8	110.0	111.4
3.2	1.15	17	Pembuatan kertas dan produk kertas Manufacture of paper and paper products	106.3	115.3	121.0	117.8	111.8	116.7	118.0	115.5	111.5
3.3	0.93	18	Percetakan dan penerbitan semula media rakaman Printing and reproduction of recorded media	109.0	113.8	128.2	110.5	105.9	104.8	108.0	108.7	121.2
3.4	1.04	31	Pembuatan perabot Manufacture of furniture	118.5	119.2	112.3	122.6	119.8	128.7	105.9	117.4	120.9
4	20.60		Produk Petroleum, Kimia, Getah dan Plastik Petroleum, Chemical, Rubber and Plastic Products	113.8	110.5	111.0	112.0	109.8	112.1	106.5	113.5	113.3
4.1	9.36	19	Pembuatan kok dan produk petroleum bertapis Manufacture of coke and refined petroleum products	109.5	110.6	110.6	116.1	112.3	111.8	100.1	110.8	111.1
4.2	6.37	20	Pembuatan kimia dan produk kimia Manufacture of chemicals and chemical products	119.5	110.4	111.5	109.7	110.1	115.0	114.5	117.4	118.1
4.3	0.38	21	Pembuatan produk farmaseutikal asas, kimia perubatan dan botani Manufacture of basic pharmaceuticals, medicinal chemical and botanical products	119.2	111.1	105.5	97.2	108.3	110.8	121.9	130.6	104.5
4.4	4.49	22	Pembuatan produk getah dan plastik Manufacture of rubber and plastics products	114.1	110.5	111.6	107.9	104.3	108.7	107.0	112.1	111.8
5	9.11		Produk Mineral Bukan Logam, Logam Asas dan Produk Logam yang Direka Non-metallic Mineral Products, Basic Metal and Fabricated Metal Products	111.8	110.5	110.0	115.0	101.9	113.3	113.1	114.7	117.5
5.1	2.97	23	Pembuatan produk galian bukan logam lain Manufacture of other non-metallic mineral products	115.4	113.7	115.3	111.5	102.6	114.7	111.6	113.8	117.3
5.2	2.35	24	Pembuatan logam asas Manufacture of basic metals	107.3	107.3	105.8	105.3	103.4	112.3	111.5	110.7	116.8
5.3	3.79	25	Pembuatan produk logam yang direka, kecuali mesin dan kelengkapan Manufacture of fabricated metal products, except machinery and equipment	111.9	110.0	108.6	123.8	100.5	112.8	115.3	117.8	118.1
6	18.23		Produk Peralatan Elektrik dan Elektronik Electrical and Electronics Products	122.9	118.2	116.2	119.4	99.9	116.3	116.7	121.2	128.5
6.1	13.89	26	Pembuatan komputer, produk elektronik dan optikal Manufacture of computer, electronics and optical products	127.3	122.6	119.3	121.9	97.7	115.0	114.3	120.3	130.4
6.2	2.20	27	Pembuatan kelengkapan elektrik Manufacture of electrical equipment	117.3	104.7	109.1	113.3	101.4	114.6	117.7	119.4	122.7
6.3	2.14	28	Pembuatan jentera dan peralatan t.t.t.l. Manufacture of machinery and equipment n.e.c.	100.1	103.3	103.8	110.0	112.6	126.6	131.8	128.9	122.0
7	5.87		Kelengkapan Pengangkutan dan Pembuatan Lain Transport Equipment and Other Manufactures	99.9	102.0	99.6	115.6	100.3	115.9	105.3	103.4	104.4
7.1	3.17	29	Pembuatan kenderaan bermotor, treler dan semi treler Manufacture of motor vehicles, trailers and semi-trailers	99.4	97.5	98.3	121.7	103.1	115.7	107.2	99.0	99.3
7.2	1.19	30	Pembuatan kelengkapan pengangkutan lain Manufacture of other transport equipment	90.5	101.6	103.4	102.8	88.6	116.4	94.8	100.3	100.4
7.3	0.74	32	Pembuatan lain Other manufacturing	99.6	99.7	101.5	114.0	103.6	106.0	102.3	98.7	105.0
7.4	0.76	33	Membaiki dan pemasangan jentera dan kelengkapan Repair and installation of machinery and equipment	117.1	123.9	96.9	111.8	103.7	126.0	116.8	130.6	131.6

2019														
Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.
119.0	117.8	119.1	121.7	118.1	118.7	120.6	108.3	118.7	116.4	119.9	121.4	123.8	122.0	122.1
120.7	122.6	123.9	123.3	119.8	123.8	120.6	107.3	119.1	119.4	119.4	113.0	121.6	125.5	125.8
121.2	123.2	125.1	124.4	120.3	124.4	120.7	106.6	119.2	119.3	118.5	110.6	121.7	125.5	126.9
125.2	126.5	126.2	128.8	127.6	130.8	121.8	107.2	116.1	124.1	132.4	136.7	128.6	134.1	126.6
107.3	109.9	103.2	100.9	102.1	105.5	117.3	116.9	122.3	115.6	114.7	117.1	111.4	114.6	108.8
113.5	113.2	120.4	124.1	132.7	125.2	123.3	118.5	123.9	124.1	133.2	127.4	120.0	120.0	125.3
111.5	110.4	117.5	113.9	123.8	104.5	111.6	113.3	115.4	118.4	121.6	120.4	118.0	115.8	120.8
114.9	116.0	125.4	138.0	144.7	145.7	132.3	123.0	129.3	127.1	143.0	134.3	121.6	124.0	131.2
115.2	112.5	111.3	107.2	118.7	122.2	132.1	120.5	135.1	133.5	138.2	125.9	121.2	120.0	118.5
115.0	114.4	117.7	117.2	118.2	124.2	122.1	118.4	121.4	117.3	120.1	121.0	121.4	120.9	124.6
108.7	111.0	111.9	116.5	116.5	120.2	118.7	117.2	116.2	117.0	116.2	116.1	114.8	116.9	119.2
112.5	106.5	118.4	109.7	115.7	125.9	119.5	117.0	122.1	123.8	121.5	116.3	118.0	111.5	123.3
119.8	115.3	112.9	114.6	120.2	131.2	117.6	110.9	109.0	112.5	114.5	126.1	125.8	121.4	119.0
122.1	127.2	129.2	128.7	121.7	121.5	133.5	128.4	139.0	115.0	128.9	128.6	130.2	136.5	138.3
112.7	111.0	112.9	118.5	114.3	114.9	116.5	111.6	116.3	110.3	117.2	116.6	116.5	114.2	115.3
106.4	103.0	106.5	115.2	116.4	112.4	120.6	112.6	116.6	104.1	113.1	114.1	110.5	105.8	109.1
118.6	117.7	117.9	120.7	110.8	114.7	112.6	110.7	117.0	115.6	120.4	121.0	120.9	120.3	119.9
117.3	118.1	128.3	125.2	114.4	114.1	101.6	115.0	119.7	125.7	135.2	109.9	125.1	122.5	129.3
116.9	117.4	117.8	121.6	114.6	120.6	114.8	110.4	114.3	114.3	119.6	116.2	122.3	122.5	120.8
120.5	116.4	115.1	117.0	115.0	114.5	120.0	106.6	117.3	117.7	119.1	123.1	125.8	121.2	119.5
118.0	118.0	115.0	120.1	118.4	120.3	117.9	107.6	119.6	116.6	118.4	123.3	122.9	124.0	119.8
122.2	115.3	114.5	112.4	111.6	109.4	108.7	107.2	115.7	115.9	114.6	121.9	128.0	119.6	118.3
121.4	115.8	115.6	117.3	114.5	113.1	128.5	105.5	116.5	119.6	122.3	123.8	126.7	120.0	120.2
128.9	125.6	129.7	131.6	124.4	124.7	124.1	103.0	119.5	121.5	125.8	132.9	135.3	129.5	130.7
131.4	127.3	134.5	137.5	129.8	128.8	126.2	100.6	118.2	119.1	125.3	135.5	138.5	131.1	134.7
117.7	116.3	121.5	120.7	107.2	114.0	121.4	106.4	118.9	122.5	121.4	124.6	119.4	118.3	125.0
124.8	123.7	106.9	104.6	107.4	108.8	113.1	115.0	128.3	135.8	133.1	125.1	130.8	130.1	110.8
109.9	116.4	108.0	110.0	110.5	106.5	122.9	107.4	123.0	112.9	110.5	110.3	116.2	123.3	114.8
107.6	107.0	94.0	110.0	106.3	107.2	129.6	110.6	123.4	117.4	108.2	107.2	115.7	115.5	101.9
90.3	132.2	116.6	97.5	109.9	106.7	108.5	96.3	121.0	98.5	105.0	106.3	94.1	135.6	126.2
109.8	110.8	121.8	109.0	103.8	106.3	119.8	108.3	111.6	107.5	104.3	107.9	115.8	117.3	122.2
149.8	136.6	139.1	130.3	135.5	103.9	120.2	110.7	135.2	122.3	134.7	131.9	153.3	142.0	143.3

7c Indeks Pengeluaran Perindustrian Sektor Pembuatan mengikut Kumpulan – Bulanan

Industrial Production Index of Manufacturing Sector by Group – Monthly

Bil. No.	Wajaran Weights 2015	Kod Codes	Keterangan Subsektor Sub-sector Description	2019		2020						
				Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.	Mei	Jun
	68.25	C	PEMBUATAN MANUFACTURING	124.5	121.3	122.7	123.1	115.0	113.8	73.1	92.8	127.1
1	8.55		Makanan, Minuman dan Tembakau Food, Beverages and Tobacco	124.3	122.4	124.5	113.9	112.0	107.4	108.7	116.4	124.9
1.1	7.39	10	Pembuatan produk makanan Manufacture of food products	125.3	122.6	124.3	113.1	111.3	107.5	119.8	126.4	130.1
1.2	0.65	11	Pembuatan minuman Manufacture of beverages	128.9	134.0	135.6	123.1	112.6	106.8	66.7	78.9	97.5
1.3	0.52	12	Pembuatan produk tembakau Manufacture of tobacco products	104.5	106.2	113.2	115.3	122.2	107.2	2.6	19.8	84.9
2	1.33		Produk Tekstil, Pakaian, Kulit dan Kasut Textiles, Wearing Apparel, Leather Products and Footwear	130.8	141.2	131.2	127.2	126.4	122.5	32.5	72.9	115.1
2.1	0.58	13	Pembuatan tekstil Manufacture of textiles	116.6	128.6	109.2	114.9	120.4	112.6	41.8	72.6	101.1
2.2	0.60	14	Pembuatan pakaian Manufacture of wearing apparel	149.1	156.7	153.4	137.3	131.8	128.4	25.0	70.3	131.0
2.3	0.15	15	Pembuatan produk kulit dan barangan berkaitan Manufacture of leather and related products	111.7	127.2	127.1	134.1	127.8	136.5	26.7	84.7	105.1
3	4.56		Produk Kayu, Perabot, Keluaran Kertas dan Percetakan Wood Products, Furniture, Paper Products and Printing	122.6	124.7	130.3	125.7	125.9	114.1	37.1	73.0	129.9
3.1	1.44	16	Pembuatan kayu dan produk kayu dan gabus, kecuali perabot; pembuatan bagi artikel jerami dan bahan-bahan Manufacture of wood and products of wood and cork, except furniture; manufacture of articles of straw and plaiting materials	121.3	121.6	125.6	121.7	125.1	113.3	24.3	56.8	122.4
3.2	1.15	17	Pembuatan kertas dan produk kertas Manufacture of paper and paper products	113.1	124.9	128.7	119.7	122.9	111.9	64.9	95.7	128.8
3.3	0.93	18	Percetakan dan penerbitan semula media rakaman Printing and reproduction of recorded media	117.3	120.3	135.8	124.7	117.7	101.7	51.6	80.3	118.1
3.4	1.04	31	Pembuatan perabot Manufacture of furniture	139.6	132.7	133.6	139.0	137.3	128.6	11.1	63.7	151.9
4	20.60		Produk Petroleum, Kimia, Getah dan Plastik Petroleum, Chemical, Rubber and Plastic Products	120.1	117.3	119.1	120.8	118.8	120.5	86.7	91.2	118.4
4.1	9.36	19	Pembuatan kok dan produk petroleum bertapis Manufacture of coke and refined petroleum products	117.6	117.8	116.4	125.1	119.9	117.5	66.3	69.7	100.3
4.2	6.37	20	Pembuatan kimia dan produk kimia Manufacture of chemicals and chemical products	121.2	113.7	117.0	114.9	116.1	115.5	87.1	91.6	111.7
4.3	0.38	21	Pembuatan produk farmaseutikal asas, kimia perubatan dan botani Manufacture of basic pharmaceuticals, medicinal chemical and botanical products	127.2	119.4	117.8	105.7	121.3	123.9	131.3	139.3	149.6
4.4	4.49	22	Pembuatan produk getah dan plastik Manufacture of rubber and plastics products	123.0	121.1	127.9	121.3	120.3	133.4	125.1	131.3	162.9
5	9.11		Produk Mineral Bukan Logam, Logam Asas dan Produk Logam yang Direka Non-metallic Mineral Products, Basic Metal and Fabricated Metal Products	120.6	119.3	119.7	124.6	113.2	105.8	43.9	65.3	105.6
5.1	2.97	23	Pembuatan produk galian bukan logam lain Manufacture of other non-metallic mineral products	124.0	123.4	126.3	122.9	114.0	106.3	32.7	58.3	98.6
5.2	2.35	24	Pembuatan logam asas Manufacture of basic metals	117.4	117.1	115.1	112.7	116.2	105.8	56.8	72.1	128.3
5.3	3.79	25	Pembuatan produk logam yang direka, kecuali mesin dan kelengkapan Manufacture of fabricated metal products, except machinery and equipment	119.8	117.4	117.5	133.3	110.8	105.4	44.6	66.6	97.0
6	18.23		Produk Peralatan Elektrik dan Elektronik Electrical and Electronics Products	134.7	125.7	128.5	128.0	110.2	113.6	80.0	111.7	150.5
6.1	13.89	26	Pembuatan komputer, produk elektronik dan optikal Manufacture of computer, electronics and optical products	140.1	130.0	132.6	130.4	108.5	113.6	75.9	108.4	152.1
6.2	2.20	27	Pembuatan kelengkapan elektrik Manufacture of electrical equipment	127.2	110.6	117.7	123.2	109.6	110.0	84.6	111.8	141.2
6.3	2.14	28	Pembuatan jentera dan peralatan t.t.t.l. Manufacture of machinery and equipment n.e.c.	107.8	113.8	113.4	117.5	121.6	117.4	101.6	132.5	149.7
7	5.87		Kelengkapan Pengangkutan dan Pembuatan Lain Transport Equipment and Other Manufactures	114.8	115.4	111.5	124.6	112.6	110.5	34.6	68.0	122.1
7.1	3.17	29	Pembuatan kenderaan bermotor, treler dan semi treler Manufacture of motor vehicles, trailers and semi-trailers	115.2	110.3	112.2	129.1	116.3	112.2	35.2	65.5	128.7
7.2	1.19	30	Pembuatan kelengkapan pengangkutan lain Manufacture of other transport equipment	100.9	114.2	109.9	112.1	100.1	103.4	29.1	63.6	103.2
7.3	0.74	32	Pembuatan lain Other manufacturing	116.2	114.9	114.3	123.8	114.3	103.0	20.7	56.0	113.0
7.4	0.76	33	Membaiki dan pemasangan jentera dan kelengkapan Repair and installation of machinery and equipment	133.0	139.2	108.7	126.0	115.2	122.1	54.5	96.8	133.0

2021														
Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.
127.4	124.7	127.3	127.4	123.7	127.8	127.5	120.1	128.3	122.8	120.4	126.9	119.1	125.4	132.3
129.3	131.5	131.9	120.1	111.7	114.6	114.0	103.7	115.2	122.5	117.2	116.9	115.2	122.8	134.6
131.7	133.6	134.0	120.9	111.2	112.8	112.9	101.5	114.7	122.4	118.4	127.9	125.5	131.5	140.6
110.9	120.1	119.5	119.6	118.2	130.6	120.1	111.9	116.7	136.1	117.9	83.0	88.0	120.0	127.1
117.8	117.1	117.2	109.8	112.2	119.3	122.1	125.5	120.2	106.1	99.4	3.1	2.4	2.4	59.2
104.5	106.8	120.2	127.4	135.6	132.9	126.1	125.1	133.6	107.4	102.0	98.4	92.5	102.8	119.4
97.7	102.8	112.9	111.9	123.8	111.1	115.2	120.0	129.1	102.1	102.5	111.9	100.2	104.0	124.0
114.5	115.2	132.4	148.7	151.7	154.3	133.4	128.4	134.2	102.3	90.7	90.3	91.5	108.3	123.0
90.3	88.3	98.7	101.3	116.0	131.1	139.2	131.6	148.2	148.9	146.2	79.0	67.0	76.2	86.8
122.4	117.9	127.4	124.4	127.5	134.6	128.8	127.0	126.8	116.0	111.7	106.3	93.3	104.9	120.8
102.8	102.3	116.0	115.8	121.5	126.5	118.3	120.1	119.2	109.1	107.7	100.3	79.2	100.0	113.8
125.8	114.2	129.6	119.5	129.4	135.5	130.1	130.7	131.7	122.5	114.2	129.0	122.8	129.8	147.9
131.7	123.8	122.3	120.2	123.7	141.7	125.9	119.8	112.8	116.5	110.8	94.2	98.8	110.6	118.7
137.3	138.4	145.0	145.5	137.0	138.6	144.5	139.1	144.4	117.9	115.3	99.9	75.5	79.1	102.1
118.3	116.2	119.0	122.4	119.6	128.3	126.2	129.4	137.5	119.3	122.9	140.8	135.2	132.5	126.2
98.4	96.9	98.7	104.5	104.9	112.0	109.7	115.8	115.7	93.3	107.0	117.6	122.6	116.3	107.9
110.9	110.1	113.1	112.2	108.2	119.0	115.2	120.3	126.5	106.2	103.6	128.7	115.1	122.3	121.1
151.6	150.7	161.1	150.0	135.9	138.4	125.7	147.3	153.5	149.9	149.4	166.1	165.1	170.3	184.8
167.5	162.3	166.3	171.9	165.2	174.5	176.4	169.3	197.3	189.5	181.5	204.3	187.7	177.5	166.8
113.4	113.5	114.9	117.9	116.4	118.1	123.4	110.2	114.2	105.8	97.5	83.2	82.1	98.8	111.7
111.0	113.7	111.8	120.9	120.8	125.9	123.3	113.1	115.6	102.9	86.3	70.8	69.8	93.7	100.5
132.0	123.4	123.2	122.4	120.5	119.3	118.1	114.6	114.2	113.7	104.8	93.6	91.5	111.8	124.4
103.9	107.2	112.3	112.7	110.5	111.3	126.7	105.2	113.2	103.1	101.8	86.3	86.0	94.7	112.4
148.5	138.7	143.5	144.9	136.1	138.3	138.2	121.5	129.3	136.1	135.9	163.2	145.9	152.2	161.2
151.9	141.8	149.3	151.7	142.5	144.3	142.2	121.8	130.6	134.3	134.9	166.2	149.4	155.9	168.0
132.6	127.1	135.0	134.1	115.3	122.4	130.9	116.0	120.1	135.2	130.5	150.2	131.4	133.1	147.5
142.9	130.3	115.2	112.0	116.5	116.4	119.7	124.5	130.2	148.8	147.4	157.5	138.0	147.3	131.2
121.8	127.6	119.9	118.7	122.9	120.9	124.4	116.3	133.7	129.9	114.8	69.9	68.5	83.8	104.7
129.3	129.0	115.6	124.4	126.1	132.1	131.0	124.8	149.8	152.0	128.6	55.2	57.0	69.6	95.5
89.6	117.4	112.5	93.3	112.0	106.5	108.8	99.3	105.8	90.2	82.0	80.2	68.7	105.7	114.1
120.8	124.9	130.8	122.0	115.7	111.6	121.5	109.5	114.3	110.4	109.5	78.9	76.3	82.6	119.2
141.9	140.6	138.7	131.5	133.8	105.8	124.0	113.8	129.2	119.0	114.2	106.3	108.4	110.1	114.1

7c Indeks Pengeluaran Perindustrian Sektor Pembuatan mengikut Kumpulan – Bulanan

Industrial Production Index of Manufacturing Sector by Group – Monthly

Bil. No.	Wajaran Weights 2015	Kod Codes	Keterangan Subsektor Sub-sector Description	2021		2022						
				Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.	Mei	Jun
	68.25	C	PEMBUATAN MANUFACTURING	137.6	137.7	138.5	136.1	126.4	137.2	130.4	128.8	145.2
1	8.55		Makanan, Minuman dan Tembakau Food, Beverages and Tobacco	131.3	126.2	126.3	121.6	110.5	119.9	127.7	122.7	126.1
1.1	7.39	10	Pembuatan produk makanan Manufacture of food products	131.7	126.1	124.9	120.8	107.8	119.3	126.3	123.4	128.0
1.2	0.65	11	Pembuatan minuman Manufacture of beverages	137.1	132.9	142.4	129.4	121.0	125.0	150.6	129.6	132.7
1.3	0.52	12	Pembuatan produk tembakau Manufacture of tobacco products	118.4	117.9	126.9	123.7	137.1	122.2	118.6	104.0	90.0
2	1.33		Produk Tekstil, Pakaian, Kulit dan Kasut Textiles, Wearing Apparel, Leather Products and Footwear	131.4	143.8	138.5	132.4	131.1	140.7	112.5	107.1	110.6
2.1	0.58	13	Pembuatan tekstil Manufacture of textiles	120.5	137.5	119.8	124.8	127.7	135.9	106.3	106.1	116.0
2.2	0.60	14	Pembuatan pakaian Manufacture of wearing apparel	148.4	155.4	157.4	137.3	132.9	143.0	109.4	95.5	96.5
2.3	0.15	15	Pembuatan produk kulit dan barangan berkaitan Manufacture of leather and related products	104.6	121.1	134.3	141.8	137.1	150.5	149.5	158.2	147.0
3	4.56		Produk Kayu, Perabot, Keluaran Kertas dan Percetakan Wood Products, Furniture, Paper Products and Printing	126.1	139.5	143.4	139.9	133.1	136.2	127.7	121.5	124.6
3.1	1.44	16	Pembuatan kayu dan produk kayu dan gabus, kecuali perabot; pembuatan bagi artikel jerami dan bahan-bahan Manufacture of wood and products of wood and cork, except furniture; manufacture of articles of straw and plaiting materials	121.8	136.6	137.2	131.6	128.2	131.1	117.7	117.9	118.1
3.2	1.15	17	Pembuatan kertas dan produk kertas Manufacture of paper and paper products	139.9	154.6	152.4	149.2	138.8	138.1	132.3	122.6	142.6
3.3	0.93	18	Percetakan dan penerbitan semula media rakaman Printing and reproduction of recorded media	119.9	125.8	145.9	127.6	120.8	116.6	126.4	120.3	112.5
3.4	1.04	31	Pembuatan perabot Manufacture of furniture	122.4	139.0	139.8	151.9	144.6	158.5	137.6	126.4	124.5
4	20.60		Produk Petroleum, Kimia, Getah dan Plastik Petroleum, Chemical, Rubber and Plastic Products	130.1	129.8	131.0	126.3	126.5	137.7	117.8	120.7	141.3
4.1	9.36	19	Pembuatan kok dan produk petroleum bertapis Manufacture of coke and refined petroleum products	114.9	121.3	112.8	111.8	114.1	129.9	92.4	109.1	130.5
4.2	6.37	20	Pembuatan kimia dan produk kimia Manufacture of chemicals and chemical products	124.9	118.9	131.3	123.4	125.8	127.9	116.8	112.1	131.6
4.3	0.38	21	Pembuatan produk farmaseutikal asas, kimia perubatan dan botani Manufacture of basic pharmaceuticals, medicinal chemical and botanical products	177.7	162.0	167.7	150.8	155.2	162.7	159.9	154.9	173.4
4.4	4.49	22	Pembuatan produk getah dan plastik Manufacture of rubber and plastics products	164.9	160.4	165.5	158.5	150.6	165.8	168.7	154.3	174.9
5	9.11		Produk Mineral Bukan Logam, Logam Asas dan Produk Logam yang Direka Non-metallic Mineral Products, Basic Metal and Fabricated Metal Products	122.0	125.2	124.4	131.1	116.1	120.6	111.2	102.7	104.0
5.1	2.97	23	Pembuatan produk galian bukan logam lain Manufacture of other non-metallic mineral products	119.3	125.2	129.5	130.0	119.9	123.2	110.7	91.6	93.6
5.2	2.35	24	Pembuatan logam asas Manufacture of basic metals	126.8	128.0	128.3	125.7	120.6	125.4	121.4	113.1	111.3
5.3	3.79	25	Pembuatan produk logam yang direka, kecuali mesin dan kelengkapan Manufacture of fabricated metal products, except machinery and equipment	121.2	123.5	118.1	135.2	110.2	115.6	105.1	104.8	107.7
6	18.23		Produk Peralatan Elektrik dan Elektronik Electrical and Electronics Products	164.6	160.4	163.5	158.1	137.1	153.3	155.4	157.1	190.8
6.1	13.89	26	Pembuatan komputer, produk elektronik dan optikal Manufacture of computer, electronics and optical products	172.0	168.0	171.7	165.0	138.6	157.4	156.5	160.3	198.4
6.2	2.20	27	Pembuatan kelengkapan elektrik Manufacture of electrical equipment	150.4	134.2	143.7	145.1	134.7	147.0	149.8	142.2	164.8
6.3	2.14	28	Pembuatan jentera dan peralatan t.t.l. Manufacture of machinery and equipment n.e.c.	131.6	138.3	130.5	127.0	129.9	133.7	153.6	151.2	168.4
7	5.87		Kelengkapan Pengangkutan dan Pembuatan Lain Transport Equipment and Other Manufactures	123.9	128.5	122.5	129.5	125.6	135.9	137.4	129.1	132.8
7.1	3.17	29	Pembuatan kenderaan bermotor, treler dan semi treler Manufacture of motor vehicles, trailers and semi-trailers	130.7	130.5	129.9	137.6	137.1	149.0	159.7	147.1	154.1
7.2	1.19	30	Pembuatan kelengkapan pengangkutan lain Manufacture of other transport equipment	95.5	115.6	109.2	110.7	103.0	108.4	96.2	89.9	92.3
7.3	0.74	32	Pembuatan lain Other manufacturing	128.0	123.2	116.4	123.5	117.1	119.1	112.9	121.2	111.3
7.4	0.76	33	Membaiki dan pemasangan jentera dan kelengkapan Repair and installation of machinery and equipment	135.8	145.2	118.6	131.6	121.5	141.2	132.8	123.2	128.3

2023											
Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.	Mei	Jun
136.9	144.5	146.1	143.4	144.4	142.6	137.9	132.4	142.8	126.5	135.4	142.8
128.1	136.8	141.3	133.5	132.2	130.6	127.0	122.0	129.0	121.5	137.0	129.7
132.0	141.5	145.7	136.5	132.4	130.8	125.5	121.0	127.9	119.4	136.0	130.8
132.8	137.8	142.1	138.7	140.1	143.4	127.2	118.2	124.2	142.4	143.9	134.9
67.8	69.5	77.0	85.1	119.9	111.1	147.9	142.4	151.9	126.2	141.6	107.9
109.1	116.1	129.0	129.1	144.9	137.9	130.0	133.6	143.4	115.3	113.6	114.1
110.9	114.0	130.8	122.0	132.6	118.8	119.0	123.5	132.5	102.9	105.0	109.1
100.4	111.0	123.5	136.4	155.8	153.0	135.2	140.2	148.8	115.3	105.3	109.1
137.1	145.4	144.4	126.9	148.2	151.0	152.1	145.8	163.9	163.1	181.0	153.6
119.3	122.3	131.3	126.5	134.6	137.2	131.3	132.6	129.6	120.2	125.4	124.4
112.8	113.1	122.1	121.9	120.7	119.6	112.5	125.0	119.5	106.0	116.2	113.6
139.9	145.6	162.6	143.4	155.2	156.0	152.5	146.6	142.8	134.1	131.1	145.5
108.9	119.8	127.3	126.4	136.8	151.4	130.9	126.7	120.9	130.3	131.1	121.3
114.8	111.5	112.8	114.2	128.9	128.1	134.1	133.0	136.5	115.5	126.7	118.6
136.6	139.6	134.4	134.2	130.3	129.9	128.9	128.8	141.2	113.9	124.4	134.7
129.6	131.2	124.5	127.1	123.2	116.7	124.2	121.5	138.2	93.8	115.7	116.4
119.6	128.0	126.2	125.1	124.7	131.8	124.6	129.2	133.7	118.2	118.9	140.8
180.8	184.9	191.1	181.9	165.0	175.9	155.9	169.3	170.8	163.9	160.1	165.3
171.5	170.0	161.8	157.7	150.2	150.9	142.4	139.8	155.5	145.3	147.1	161.7
101.7	112.2	118.8	125.7	126.6	127.1	130.3	123.6	126.6	114.8	111.0	109.4
94.0	109.3	110.7	123.5	125.4	132.3	131.5	126.1	128.7	112.7	95.0	96.9
111.6	124.5	126.1	129.1	129.8	124.4	119.8	126.8	131.6	125.1	121.2	116.4
101.6	107.0	120.7	125.4	125.5	124.7	135.8	119.6	121.9	110.2	117.3	114.9
171.1	182.0	186.3	179.0	179.8	175.3	158.8	144.6	161.8	151.7	160.0	184.0
176.9	189.5	196.1	189.7	191.7	184.7	166.3	147.6	166.9	153.7	161.1	190.4
145.6	147.2	161.5	157.2	139.3	146.4	141.1	137.0	147.3	142.1	153.0	164.2
159.8	168.9	148.1	132.1	144.2	143.9	128.6	133.1	143.5	148.9	160.6	163.3
118.9	130.1	127.4	123.4	136.8	133.0	139.9	136.0	144.6	125.0	145.4	135.1
131.1	144.1	129.5	123.3	142.8	145.2	154.3	150.2	163.6	134.9	170.8	153.8
83.8	112.6	122.8	107.1	119.0	112.1	111.1	108.6	110.4	96.9	96.3	98.6
112.0	100.2	122.9	128.5	129.8	119.6	124.7	122.9	120.1	113.5	131.6	112.3
130.2	128.4	129.7	143.8	146.7	127.7	139.4	133.0	142.8	139.1	130.1	135.9

7c Indeks Pengeluaran Perindustrian Sektor Pembuatan mengikut Kumpulan – Bulanan

Industrial Production Index of Manufacturing Sector by Group – Monthly

Bil. No.	Wajaran Weights 2015	Kod Codes	Keterangan Subsektor Sub-sector Description	2023						2024			
				Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac	
	68.25	C	PEMBUATAN MANUFACTURING	136.6	143.6	146.7	144.7	144.3	140.6	143.1	134.1	144.6	
1	8.55		Makanan, Minuman dan Tembakau Food, Beverages and Tobacco	133.1	142.1	148.4	142.2	143.9	138.0	132.8	119.4	127.3	
1.1	7.39	10	Pembuatan produk makanan Manufacture of food products	136.6	146.9	153.2	145.3	145.1	138.2	131.0	116.5	124.3	
1.2	0.65	11	Pembuatan minuman Manufacture of beverages	135.3	138.2	143.0	145.6	146.2	153.0	136.4	122.6	131.9	
1.3	0.52	12	Pembuatan produk tembakau Manufacture of tobacco products	79.4	77.9	86.6	93.6	124.4	116.5	154.0	157.5	164.8	
2	1.33		Produk Tekstil, Pakaian, Kulit dan Kasut Textiles, Wearing Apparel, Leather Products and Footwear	111.0	116.1	128.5	131.0	145.8	134.7	132.8	130.4	150.1	
2.1	0.58	13	Pembuatan tekstil Manufacture of textiles	103.9	108.2	121.9	114.8	126.2	111.5	119.6	123.6	134.3	
2.2	0.60	14	Pembuatan pakaian Manufacture of wearing apparel	108.6	115.3	129.3	144.9	161.0	149.6	137.3	130.8	160.2	
2.3	0.15	15	Pembuatan produk kulit dan barangan berkaitan Manufacture of leather and related products	148.0	149.9	150.9	137.6	160.3	164.5	165.6	155.6	170.2	
3	4.56		Produk Kayu, Perabot, Keluaran Kertas dan Percetakan Wood Products, Furniture, Paper Products and Printing	119.5	124.6	131.9	132.5	139.4	142.2	139.3	135.2	136.0	
3.1	1.44	16	Pembuatan kayu dan produk kayu dan gabus, kecuali perabot; pembuatan bagi artikel jerami dan bahan-bahan Manufacture of wood and products of wood and cork, except furniture; manufacture of articles of straw and plaiting materials	109.0	111.8	117.5	124.0	118.5	116.0	113.4	119.5	122.6	
3.2	1.15	17	Pembuatan kertas dan produk kertas Manufacture of paper and paper products	142.3	150.4	168.2	150.1	167.7	165.1	163.0	151.9	143.9	
3.3	0.93	18	Percetakan dan penerbitan semula media rakaman Printing and reproduction of recorded media	117.8	131.7	138.6	138.1	140.9	158.2	139.8	131.2	127.2	
3.4	1.04	31	Pembuatan perabot Manufacture of furniture	110.3	107.6	105.9	119.7	135.5	139.0	148.4	141.8	153.7	
4	20.60		Produk Petroleum, Kimia, Getah dan Plastik Petroleum, Chemical, Rubber and Plastic Products	131.1	136.3	131.4	134.1	130.4	126.4	132.1	130.4	141.7	
4.1	9.36	19	Pembuatan kok dan produk petroleum bertapis Manufacture of coke and refined petroleum products	116.5	121.3	114.9	122.0	121.0	111.3	120.4	124.2	140.8	
4.2	6.37	20	Pembuatan kimia dan produk kimia Manufacture of chemicals and chemical products	128.4	137.9	133.6	132.9	127.8	130.3	132.1	125.6	128.4	
4.3	0.38	21	Pembuatan produk farmaseutikal asas, kimia perubatan dan botani Manufacture of basic pharmaceuticals, medicinal chemical and botanical products	174.0	176.2	178.3	177.9	154.3	175.5	161.7	180.1	180.9	
4.4	4.49	22	Pembuatan produk getah dan plastik Manufacture of rubber and plastics products	161.6	162.2	158.9	157.2	151.5	148.3	154.0	146.1	159.3	
5	9.11		Produk Mineral Bukan Logam, Logam Asas dan Produk Logam yang Direka Non-metallic Mineral Products, Basic Metal and Fabricated Metal Products	106.2	116.8	128.0	132.7	135.5	134.8	140.6	130.3	136.2	
5.1	2.97	23	Pembuatan produk galian bukan logam lain Manufacture of other non-metallic mineral products	96.8	113.0	119.5	131.6	134.1	139.3	140.2	132.5	138.5	
5.2	2.35	24	Pembuatan logam asas Manufacture of basic metals	114.2	125.0	133.2	132.3	135.3	125.8	122.9	128.5	134.4	
5.3	3.79	25	Pembuatan produk logam yang direka, kecuali mesin dan kelengkapan Manufacture of fabricated metal products, except machinery and equipment	108.6	114.7	131.5	133.9	136.7	136.8	151.9	129.7	135.4	
6	18.23		Produk Peralatan Elektrik dan Elektronik Electrical and Electronics Products	168.3	175.6	182.5	172.1	167.6	163.5	160.2	145.0	164.1	
6.1	13.89	26	Pembuatan komputer, produk elektronik dan optikal Manufacture of computer, electronics and optical products	174.1	182.3	192.4	181.5	175.1	171.3	167.0	148.0	170.3	
6.2	2.20	27	Pembuatan kelengkapan elektrik Manufacture of electrical equipment	146.6	147.8	161.0	153.3	137.9	135.3	143.1	134.0	142.9	
6.3	2.14	28	Pembuatan jentera dan peralatan t.t.t.l. Manufacture of machinery and equipment n.e.c.	153.5	160.8	140.8	129.8	149.2	141.5	133.9	137.0	145.7	
7	5.87		Kelengkapan Pengangkutan dan Pembuatan Lain Transport Equipment and Other Manufactures	129.1	134.6	130.7	132.3	138.7	132.2	152.3	140.2	138.2	
7.1	3.17	29	Pembuatan kenderaan bermotor, treler dan semi treler Manufacture of motor vehicles, trailers and semi-trailers	146.6	149.6	132.9	136.4	143.4	141.5	173.0	154.5	147.2	
7.2	1.19	30	Pembuatan kelengkapan pengangkutan lain Manufacture of other transport equipment	87.1	115.1	125.2	108.9	121.3	111.6	116.9	113.2	113.5	
7.3	0.74	32	Pembuatan lain Other manufacturing	113.2	100.7	123.8	133.2	133.4	126.9	127.1	124.6	124.7	
7.4	0.76	33	Membaiki dan pemasangan jentera dan kelengkapan Repair and installation of machinery and equipment	137.4	135.8	136.8	150.7	151.4	131.0	146.2	137.9	152.6	

Nota Teknikal

Technical Notes

Objektif
Objective

Skop dan Liputan
Scope and Coverage

Sumber Statistik
Statistical Frame

Jenis Aktiviti Perniagaan
Type of Business

Konsep dan Definisi
Concept and Definition

Reka Bentuk Pensampelan
Sampling Design

Saiz Sampel
Sample Size

Prosedur Pengiraan
Computational Procedure

Unit Pelapor
Reporting Unit

Keperluan Kerahsiaan
Confidentiality Required

Pindaan
Revision

Simbol dan Singkatan
Symbols And Abbreviations

Muka surat ini sengaja dibiarkan kosong
This page is deliberately left blank

OBJEKTIF

Objektif utama penerbitan ini ialah untuk menyediakan indikator tambahan kepada pengguna dalam menilaiprestasi semasa sektor Pembuatan di Malaysia.

SKOP DAN LIPUTAN

Data kapasiti penggunaan Pembuatan dipungut dalam Survei Pembuatan Bulanan yang meliputi seluruh Malaysia. Penerbitan ini memaparkan statistik kapasiti penggunaan industri Pembuatan di Malaysia di peringkat Bahagian (2-digit), Kumpulan (3-digit) dan negeri mulai Januari 2015 yang diterbitkan buat kali pertama pada Mei 2023.

Statistik bagi industri yang mempunyai perwakilan kurang daripada tiga pertubuhan telah digabungkan kepada industri terhampir bagi memelihara kerahsiaan responden seperti mana yang termaktub dalam Akta Perangkaan 1965 (Disemak 1989).

Sektor Pembuatan
2 5 1
Industri
Seksyen C - 24 Bahagian yang terdiri daripada 71 kumpulan aktiviti pembuatan

MSIC (2-digit)	Keterangan Subsektor
10, 11, 12	Makanan, minuman dan tembakau
13, 14, 15	Tekstil, pakaian, kulit dan kasut
16, 17, 18, 31	Produk kayu, perabot, keluaran kertas dan percetakan
19, 20, 21, 22	Petroleum, kimis, getah dan plastik
23, 24, 25	Produk mineral bukan logam, logam asas dan produk logam yang direka
26, 27, 28	Produk elektrik dan elektronik
29, 30, 32, 33	Kelengkapan pengangkutan dan pembuatan lain

SUMBER STATISTIK

Rangka statistik bagi survei ini adalah daripada *Malaysia Statistical Business Register* (MSBR). MSBR adalah senarai pertubuhan/perusahaan yang beroperasi di Malaysia yang merangkumi Daftar Syarikat (ROC), Daftar Perniagaan (ROS) dan Perkongsian Liabiliti Terhad (LLP) yang berdaftar dengan Suruhanjaya Syarikat Malaysia (SSM) serta pertubuhan yang berdaftar dengan pihak berkuasa tempatan (PBT) dan badan profesional. Senarai di MSBR dikemaskini secara berkala berdasarkan survei dan banci yang dijalankan oleh Jabatan Perangkaan Malaysia (DOSM) dan sumber data pentadbiran daripada agensi lain. Sumber utama data pentadbiran adalah daripada SSM. Selain itu, DOSM juga bekerjasama untuk mendapatkan maklumat terkini daripada agensi lain seperti Kumpulan Wang Simpanan Pekerja (KWSP), Jabatan Kastam Diraja Malaysia (JKDM), Lembaga Hasil Dalam Negeri Malaysia (LHDNM) dan PBT.

Rangka dikemaskini dengan mengambil kira pertubuhan baharu dan merekodkan perubahan status yang berlaku terhadap pertubuhan tersebut seperti tutup, tidak beroperasi, perubahan jenis aktiviti dan lokasi perniagaan/ alamat pos bagi memastikan maklumat yang terdapat dalam rangka adalah yang terkini.

JENIS AKTIVITI PERNIAGAAN

Jenis aktiviti perniagaan merujuk kepada aktiviti utama dan sekunder. Aktiviti utama merujuk kepada aktiviti yang mana pertubuhan menumpukan sebahagian besar sumbernya atau memberi sumbangan besar dari segi pendapatan. Aktiviti sekunder didefinisikan sebagai aktiviti sampingan kepada aktiviti utama. Klasifikasi industri bagi pertubuhan adalah berasaskan kepada aktiviti utama berdasarkan kepada Piawaian Klasifikasi Industri Malaysia (MSIC 2008) Versi 1.0. MSIC 2008 adalah selaras dengan *International Standard Industrial Classification of All Economic Activities (ISIC), Rev. 4, United Nations* dengan pengubahsuaian mengikut keperluan tempatan.

KONSEP DAN DEFINISI

Konsep dan definisi yang digunakan selari dengan manual *International Recommendations for Industrial Statistics 2008, United Nations Statistics Division*. Takrif Pembuatan yang digunakan dalam survei ini adalah selaras dengan MSIC 2008 Versi 1.0.

Pembuatan ditakrifkan sebagai perubahan fizikal atau kimia ke atas bahan atau komponen menjadi produk baru sama ada kerja itu dilakukan oleh jentera yang dijalankan oleh kuasa atau yang dijalankan dengan tangan, sama ada dijalankan dalam kilang atau di rumah pekerja dan sama ada barang keluaran dijual secara borong atau runcit.

Kapasiti penggunaan merujuk kepada nisbah output sebenar yang dihasilkan berbanding pengeluaran output pada kapasiti penuh melalui gabungan optimum mesin, bahan mentah dan buruh.

Industri berorientasikan Eksport dikelaskan berdasarkan kepada threshold nilai eksport melebihi 50 peratus daripada nilai jualan di peringkat agregat MSIC 3-digit dan 2-digit manakala industri dengan nilai eksport di bawah threshold berkenaan dikelaskan sebagai **industri berorientasikan Domestik**. Penentuan pengelasan tersebut dibuat menggunakan data daripada Banci Ekonomi 2011, Banci Ekonomi 2016, Survei Ekonomi Tahunan 2018 dan Statistik Perdagangan Luar Negeri Bulanan.

REKA BENTUK PENSAMPELAN

Reka bentuk pensampelan bagi survei ini adalah pensampelan rawak strata satu peringkat. Pertubuhan dikelaskan sebagai unit pensampelan manakala beberapa kategori strata telah dikenalpasti.

Setiap strata telah dibentuk kepada tiga (3) substrata untuk memastikan sampel yang diagihkan mengambil kira ciri-ciri ekonomi strata tersebut. Substrata utama bersifat heterogen dan diliputi secara penuh, manakala substrata selainnya bersifat homogen disampelkan.

Substrata utama meliputi pertubuhan kategori besar dan yang mempunyai jumlah hasil yang signifikan dalam industri berkaitan manakala bagi substrata kedua dan ketiga berdasarkan kategori Perusahaan Mikro, Kecil dan Sederhana (PMKS).

SAIZ SAMPEL

Statistik utama yang digunakan untuk penganggaran saiz sampel adalah nilai jualan. Formula yang digunakan dalam penganggaran saiz sampel bagi strata adalah seperti berikut:

$$n = \frac{(\sum N_i S_i)^2}{V + \sum N_i S_i^2}$$

Di mana:

S_i^2	varian bagi strata i	V	varian sasaran
N	saiz populasi bagi strata i	n	saiz sampel

Di mana:

$\hat{Y}_i$	saiz populasi bagi strata i	RSE	ralat piawai relatif
Z	nilai aras keyakinan		

Sampel akan diagihkan kepada substrata dalam industri liputan dengan menggunakan kaedah Neyman Allocation seperti berikut:

$$n_{hi} = \left(\frac{N_h S_h}{\sum N_h S_h} \right) n_i \quad \begin{matrix} h = 2, 3 \text{ dan } 4 \\ l = 1, 2, \dots \end{matrix}$$

Di mana:

n_{hi}	Saiz sampel bagi substrata h dalam strata i	N_h	Saiz populasi bagi substrata h
S_h	Sisihan piawai bagi substrata h	n_i	Saiz sampel bagi strata l
h	Substrata	i	Strata

Pertubuhan kategori substrata utama diliputi sepenuhnya, manakala pertubuhan bagi substrata kedua dan ketiga dipilih secara rawak mengikut kaedah pensampelan bersistematik.

PROSEDUR PENGIRAAN

Statistik kapasiti penggunaan Pembuatan disusun mengikut subsektor, Bahagian (2-digit), Kumpulan (3-digit) dan negeri. Pengiraan statistik kapasiti penggunaan Pembuatan (CU) di peringkat Malaysia (1D),

$$CU(1D) = \frac{\sum_{k=1}^{24} [CU(2D) \times WVA(2D)]_k}{WVA(1D)}$$

Di mana:

$WVA(2D)$	Wajaran nilai ditambah bagi MSIC Bahagian (2-digit)	k	1, 2, 3, ..., 24 iaitu 24 Bahagian (2-digit)
$CU(2D)$	CU bagi MSIC Bahagian (2-digit)	$WVA(1D)$	1

Prosedur pengiraan yang sama digunakan untuk mendapatkan kapasiti penggunaan Pembuatan di peringkat negeri

UNIT PELAPOR

Unit pelapor bagi survei ini ialah pertubuhan. Sesebuah pertubuhan secara ideal ditakrifkan sebagai “satu unit ekonomi yang bergiat di bawah satu hak milik atau penguasaan tunggal, iaitu di bawah satu entiti yang sah dan menjalankan satu jenis aktiviti ekonomi utama di satu lokasi fizikal”. Setiap pertubuhan diberikan klasifikasi industri berdasarkan aktiviti utamanya dan bukannya mengikut aktiviti syarikat induk. Bagi kes entiti yang mempunyai pelbagai aktiviti, unit yang terlibat dalam aktiviti yang berlainan dalam lokasi yang sama membentuk pertubuhan yang berbeza.

Oleh itu, setiap cawangan daripada organisasi yang mempunyai pelbagai cawangan di lokasi yang berbeza dari segi konsep dianggap sebagai pertubuhan yang berlainan. Pertubuhan berkenaan diminta memberikan penyata yang berasingan bagi setiap kegiatannya dari segi nilai. Walau bagaimanapun, dari segi praktis akaun biasanya disediakan secara berpusat kerana kesukaran untuk memperoleh data yang berasingan bagi setiap unit atau cawangan. Entiti atau ‘enterprise’ ini akan dianggap sebagai satu unit pelapor dan dibenarkan mengemukakan soal selidik yang menggabungkan semua unit atau cawangannya.

KEPERLUAN KERAHSIAAN

Survei ini dijalankan di bawah peruntukan Akta Perangkaan 1965 (Disemak 1989). Akta ini mensyaratkan bahawa kandungan penyata individu adalah SULIT. Selaras dengan peruntukan dalam Akta tersebut, hanya angka agregat akan diterbitkan.

PINDAAN

Pindaan akan dibuat ke atas statistik yang telah diterbitkan berdasarkan data terkini yang diperoleh.

SIMBOL DAN SINGKATAN

Simbol-simbol berikut telah digunakan dalam keseluruhan penerbitan:

t.t.t.l.	Tidak terkelas di tempat lain	ST	Suku Tahunan
%	Peratus	CU	Kapasiti Penggunaan
W.P.	Wilayah Persekutuan		

OBJECTIVE

The main objective of this publication is to provide additional indicators for the users in assessing the performance of the manufacturing sector in Malaysia.

SCOPE AND COVERAGE

Manufacturing capacity utilisation data was collected from the Monthly Manufacturing Survey which covered the whole Malaysia. This publication presents statistics on the Manufacturing capacity utilisation at Division (2-digit), Group (3-digit) and state level since January 2015 which was released for the first time in May 2023.

Statistics for industries with less than three establishments was combined to the closest industry to ensure the confidentiality of the respondents as stipulated under the Statistics Act 1965 (Revised-1989).

Manufacturing sector
2 5 1
Industries
Section C - 24 Divisions consist of 71 groups in manufacturing activities

MSIC (2-digit)	Sub-sector Description
10, 11, 12	Food, beverages and tobacco
13, 14, 15	Textiles, wearing apparel, leather and footwear
16, 17, 18, 31	Wood product, furniture, paper products and printing
19, 20, 21, 22	Petroleum, chemical, rubber and plastics
23, 24, 25	Non-metallic mineral product, basic metal and fabricated metal products
26, 27, 28	Electrical and electronic product
29, 30, 32, 33	Transport equipment and other manufactures

STATISTICAL FRAME

The statistical frame of this survey is from the Malaysia Statistical Business Register (MSBR). MSBR is a list of organisations/ enterprises operating in Malaysia that includes the Register of Companies (ROC), Register of Business (ROB) and Limited Liability Partnership (LLP) registered with the Companies Commission of Malaysia (CCM) as well as organisations registered with local authorities (PBT) and professional bodies. The list in MSBR is updated regularly based on surveys and censuses conducted by the Department of Statistics Malaysia (DOSM) and administrative data sources from various agencies. The main source of administrative data is from the CCM. In addition, DOSM also works together to obtain the latest information from other agencies such as the Employees' Provident Fund (EPF), the Royal Malaysian Customs Department (JKDM), the Inland Revenue Board of Malaysia (LHDNM) and PBT.

The frame is updated to take into account new establishments and to record any changes in the Status of the establishments such as closed down, not in operation, change in activity and location/ correspondence address to ensure the frame is at the current status.

TYPE OF BUSINESS

Type of business activity is divided into primary and secondary. The primary activity refers to the activities which focus on its main resources and income. Secondary activities are defined as those incidental or ancillary to the primary activity. The classification of the establishment's industry is based on the primary activity based on the Malaysia Standard Industrial Classification (MSIC 2008) Version 1.0. The MSIC 2008 conforms to the International Standard Industrial Classification of All Economic Activities (ISIC), Rev. 4, United Nations, with modifications to suit local conditions.

CONCEPT AND DEFINITION

Concepts and definitions used are in line with the manual of Recommendations for Industrial Statistics 2008, United Nations Statistics Division. The definition of manufacturing used in this survey is consistent with MSIC 2008 Ver. 1.0.

Manufacturing is defined as the physical or chemical transformation of materials or components into new products, whether the work is performed by power driven machines or by hand, whether it is done in a factory or in the worker's home, and whether the products are sold at wholesale or retail.

Capacity utilisation refers to a ratio of actual output produced to the production of output at full capacity through an optimal combination of machinery, raw materials and labour.

Export-oriented industry classified based on the threshold of value of exports exceeding 50 per cent of the sales value at aggregated of MSIC 3-digit and 2-digit while the industries which value of exports below the threshold are classified as Domestic-oriented industry. The determination of classification was conducted using data from the Economic Census 2011, Economic Census 2016, Annual Economic Survey 2018 and Monthly External Trade Statistics.

SAMPLING DESIGN

Sampling design of the survey is a one-stage stratified random sampling. The establishment is classified as sampling unit while a few categories of stratum was identified.

Each stratum has been set up to three (3) substrata to ensure the distributed sample takes into account the economic characteristics of the stratum. The main substratum is heterogeneous and was fully covered, whereas other substratum that are homogeneous were sampled.

Main substratum include large establishments which have a significant total revenue in the respective industry while for the second and third substratum are based on Micro, Small and Medium Enterprise (SME) categories.

SAMPLE SIZE

The main statistics used to estimate the sample size is the sales value. The formula used in the estimation of the sample size for a stratum is as follows;

$$n = \frac{(\sum N_i S_i)^2}{V + \sum N_i S_i^2}$$

Where:

S_i^2	variance for stratum i	V	desired variance
N	population size for stratum i	n	sample size

Where

Z	value of confidence level	RSE	relative standard error
$\hat{Y}_i$	estimated sales value for stratum i		

$$V = RSE^2 \cdot \left(\frac{\hat{Y}_i}{Z}\right)^2$$

Sample is distributed to substratum of the industry using Neyman Allocation method as follows:

$$n_{hi} = \left(\frac{N_h S_h}{\sum N_h S_h} \right) n_i \quad \begin{matrix} h = 2, 3 \text{ and } 4 \\ i = 1, 2, \dots \end{matrix}$$

Where:

n_{hi}	sample size for substratum h of stratum i	N_h	population size for substratum h
S_h	standard deviation for substratum h	n_i	sample size for stratum i
h	substratum	i	stratum

Establishments of the main substratum were fully covered while establishments of the second and third substratum were randomly selected using systematic random sampling.

COMPUTATIONAL PROCEDURE

Manufacturing capacity utilisation statistics was compiled by sub-sector, Division (2-digit), Group (3-digit) and state. Calculation of Manufacturing capacity utilisation (CU) at Malaysia level (1D)

$$CU(1D) = \frac{\sum_{k=1}^{24} [CU(2D) \times WVA(2D)]_k}{WVA(1D)}$$

Where:

$WVA(2D)$	weighted of value-added by MSIC Division (2-digit)	k	1,2,3,...,24 which 24 division 2 - digit
$CU(2D)$	CU by MSIC Division (2-digit)	$WVA(1D)$	1

The same procedure was used to derive Manufacturing capacity utilisation at the state level.

REPORTING UNIT

The reporting unit used in the survey was the establishment. The establishment is defined as “an economic unit engaged in one activity, under a single legal entity and operating in a single physical location”. Each establishment was assigned an industry classification based on its principal activity. In the case of a multi-activity entity, units engaged in separate activities in the same location constituted distinct establishments. Thus,

each branch of a multi-branch organization at a different location was conceptually treated as a different establishment. The establishment was requested to give separate returns for each activity in terms of value. However, if in practice, the accounts were centrally kept such that it was not possible to obtain separate data for each individual unit or branch. The entity or enterprise was treated as a single reporting unit and allowed to submit a consolidated questionnaire covering all the units or branches.

CONFIDENTIALITY REQUIRED

The survey is conducted under the provisions of the Statistics Act 1965 (Revised-1989). The Act stipulates that the contents of individual returns are confidential. In conformity with the stipulations of this Act, only aggregated figures are published.

REVISIONS

Revisions will be made to the published figures based on the latest data available.

SYMBOLS AND ABBREVIATIONS

The following symbols have been used throughout the publication:

n.e.c	Not elsewhere classified	Q	Quarter
%	Percent	CU	Capacity Utilisation
W.P.	Wilayah Persekutuan		