

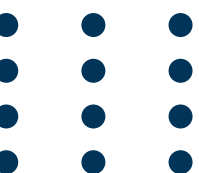


KEMENTERIAN EKONOMI
JABATAN PERANGKAAN MALAYSIA



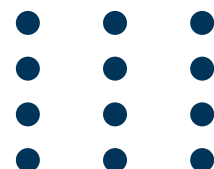
STATISTIK PERLOMBONGAN PETROLEUM DAN GAS ASLI

*MINING OF PETROLEUM AND
NATURAL GAS STATISTICS*



SUKU KEDUA

SECOND QUARTER



2024



KEMENTERIAN EKONOMI
JABATAN PERANGKAAN MALAYSIA

STATISTIK PERLOMBONGAN PETROLEUM DAN GAS ASLI MINING OF PETROLEUM AND NATURAL GAS STATISTICS

SUKU KEDUA
SECOND QUARTER **2024**

Diterbitkan pada : **3 SEPTEMBER 2024**
Released on **SEPTEMBER**

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 sedang menjalankan Banci Pertanian 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 catalogue data and visualisations to facilitate users' analysis and can be accessed through <https://open.dosm.gov.my>.

DOSM is conducting the Agriculture Census 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.

JABATAN PERANGKAAN MALAYSIA
DEPARTMENT OF STATISTICS MALAYSIA

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“Sumber: Jabatan Perangkaan Malaysia”.

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Statistik Perlombongan Petroleum dan Gas Asli merupakan penerbitan yang menghimpunkan pelbagai statistik keluaran DOSM, serta statistik yang diperoleh daripada agensi yang berkaitan seperti PETRONAS dan Malaysia Thailand Joint Authority (MTJA) bagi suku kedua 2024. Inisiatif untuk menerbitkan statistik ini secara suku tahunan adalah untuk memenuhi permintaan yang semakin meningkat bagi statistik perlombongan petroleum dan gas asli yang komprehensif secara berkala.

Penerbitan ini mengandungi statistik pengeluaran, jualan, harga, eksport dan import berkaitan minyak mentah & kondensat dan gas asli. Selain itu, indikator makroekonomi yang merangkumi Keluaran Dalam Negeri Kasar (KDNK), Indeks Pengeluaran Perindustrian (IPP), Indeks Harga Pengeluar (IHPR) serta statistik guna tenaga dan produktiviti buruh turut dilaporkan dalam penerbitan ini. Statistik ini boleh membantu agensi kerajaan, ahli ekonomi, ahli akademik serta individu bagi tujuan membuat perancangan dan penggubalan dasar, analisis ekonomi dan unjuran serta dapat membantu merancang pembangunan perniagaan.

Laporan ini dibahagikan kepada tiga bahagian. Bahagian pertama memaparkan infografik dan ringkasan penemuan bagi keseluruhan industri minyak mentah dan gas asli, manakala bahagian kedua memuatkan jadual statistik terperinci. Aspek teknikal seperti sumber data, konsep & definisi serta pembolehubah utama yang digunakan diterangkan di bahagian ketiga bagi memudahkan pengguna memahami statistik yang diterbitkan.

DOSM merakamkan setinggi-tinggi penghargaan atas kerjasama dan sumbangan yang diberikan oleh semua pihak dalam menjayakan penerbitan ini. Pandangan dan cadangan untuk penambahbaikan penerbitan ini pada masa akan datang amat dihargai.

DATO' SRI DR. MOHD UZIR MAHIDIN

Ketua Perangkawan Malaysia

September 2024



The Mining of Petroleum and Natural Gas Statistics is a report which assembles various statistics released by DOSM, as well as statistics obtained from relevant agencies such as PETRONAS and Malaysia Thailand Joint Authority (MTJA) for the second quarter of 2024. The initiative to publish these statistics on a quarterly basis is to fulfil the rising demand for frequent and comprehensive mining of petroleum and natural gas statistics.

This publication provides statistics on production, sales, prices, exports and imports of crude oil & condensate and natural gas. In addition, macroeconomic indicators which include Gross Domestic Product (GDP), Industrial Production Index (IPI), Producer Price Index (PPI) as well as employment and labour productivity statistics are also reported in this publication. These statistics could assist government agencies, economists, academicians, as well as individuals in the planning and formulation of policies, economic analysis and projections as well as for business development planning.

This report is divided into three parts. The first part highlights the infographic and summary of findings for the overall crude oil and natural gas industry, while the second part contains detailed statistical tables. Technical aspects such as sources of data, concepts & definitions and the main variables used are explained in the third part to assist users in understanding the published statistics.

DOSM gratefully acknowledges the cooperation and contribution rendered by all parties in making this publication a success. Every feedback and suggestion towards improving future publication is highly appreciated.

DATO' SRI DR. MOHD UZIR MAHIDIN
Chief Statistician, Malaysia

September 2024



-	: tiada / <i>nil</i>
%	: peratus / <i>percentage</i>
&	: dan / <i>and</i>
0	: Nilai kurang daripada RM500,000/ <i>Value less than RM500,000</i>
bbl	: Tong / <i>Barrel</i>
BCF	: Bilion Kaki Padu / <i>Billion Cubic Feet</i>
dll / etc.	: dan lain-lain / <i>et. cetera</i>
e	: anggaran / <i>estimate</i>
EIA	: U.S. Energy Information Administration (EIA)
f	: muktamad / <i>final</i>
IHPR / <i>PPI</i>	: Indeks Harga Pengeluar / <i>Producer Price Index</i>
IPP / <i>IPI</i>	: Indeks Pengeluaran Perindustrian / <i>Industrial Production Index</i>
IRIS	: International Recommendation for Industrial Statistics
JODI	: Joint Organisations Data Initiative
KDNK / <i>GDP</i>	: Keluaran Dalam Negeri Kasar / <i>Gross Domestic Product</i>
LNG	: Gas Asli Cecair / <i>Liquefied Natural Gas</i>
LPG	: Gas Petroleum Cecair / <i>Liquefied Petroleum Gas</i>
MASCO	: Piawaian Pengelasan Pekerjaan Malaysia / <i>Malaysia Standard Classification of Occupations</i>
MSCF	: (Ribu) Kaki Padu Standard / <i>(Thousand) Standard Cubic Feet</i>
MoM	: Bulan ke bulan / <i>Month-on-Month</i>
MSIC	: Piawaian Klasifikasi Industri Malaysia / <i>Malaysia Standards Industrial Classification</i>
MTJA	: Malaysia Thailand Joint Authority
n.a.	: tidak berkaitan / <i>not applicable</i>
NYMEX	: New York Mercantile Exchange
p	: awalan / <i>preliminary</i>
PETRONAS	: Petroliaam Nasional Berhad
r	: disemak / <i>revised</i>
RM	: Ringgit Malaysia / <i>Malaysian Ringgit</i>
ST/ Q	: Suku tahun / <i>Quarter</i>
t	: tahun / <i>year</i>
t.t.t.l. / n.e.c.	: tidak terkelas di tempat lain / <i>not elsewhere classified</i>
USD	: Dolar Amerika Syarikat / <i>US Dollar</i>
QoQ	: Suku tahun ke suku tahun / <i>Quarter-on-Quarter</i>
WALP	: <i>Weighted Average Lifting Price</i>
WTI	: West Texas Intermediate
YoY	: Tahun ke tahun / <i>Year-on-Year</i>

NOTA / NOTE:

Jumlah angka komponen mungkin tidak bersamaan dengan angka jumlah kecil atau jumlah besar disebabkan pembundaran.

The sum of the component figures may not tally with the sub-total or total figures due to rounding.



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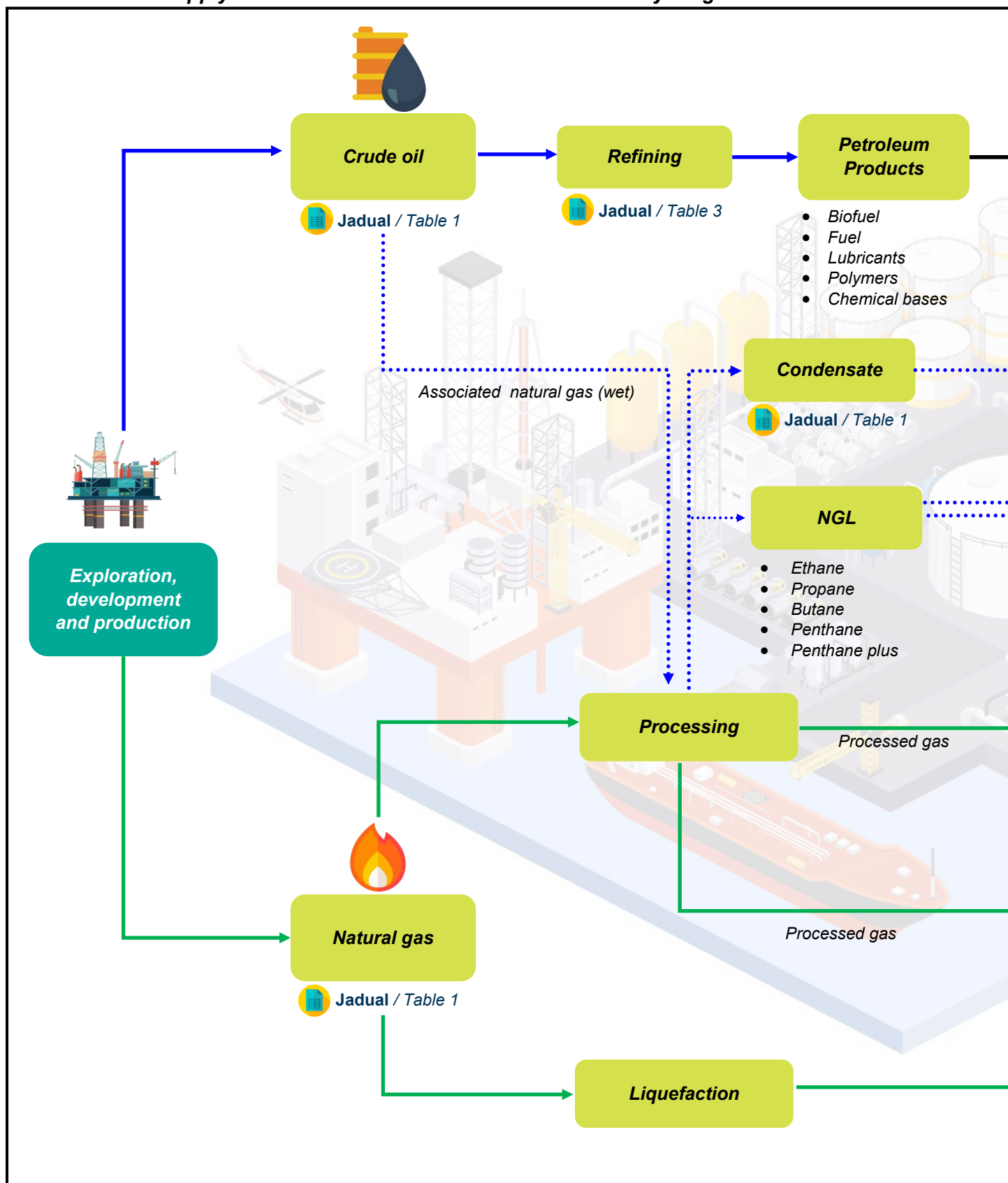


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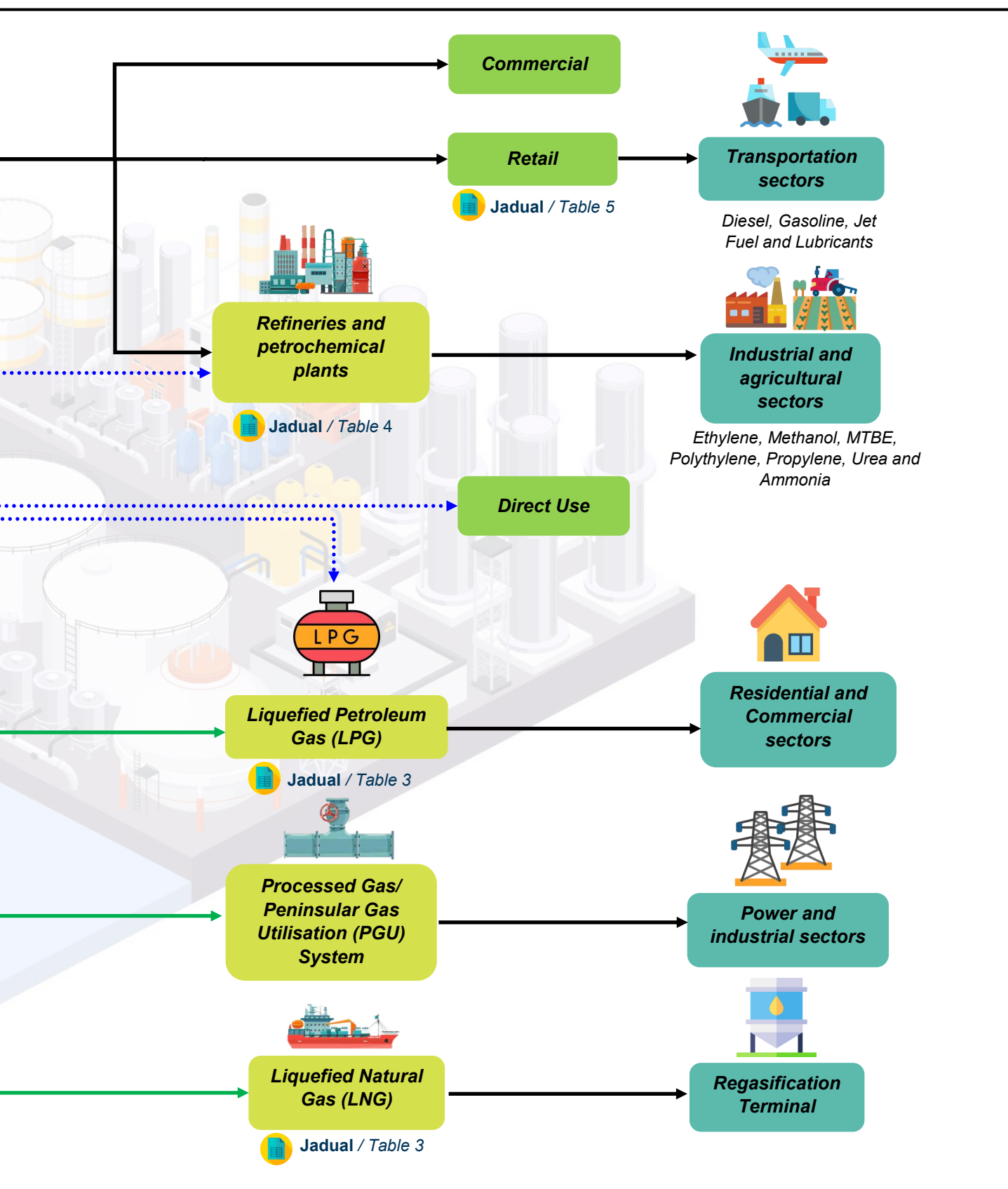
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Supply Chain of Crude Oil and Natural Gas Industry Diagram



Sources: PETRONAS and Joint Organisations Data Initiative (JODI) and illustrated by Department of Statistics Malaysia (DOSM)
Note: This diagram is provide to guide user in understanding the statistics in this publication



BAHAGIAN
PART

1

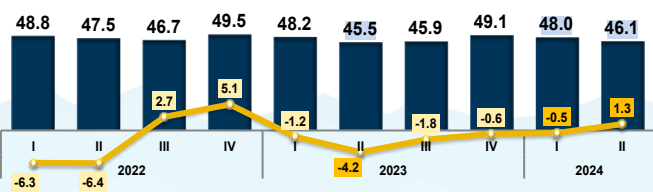
RINGKASAN PENEMUAN
SUMMARY OF FINDINGS



STATISTIK PERLOMBONGAN PETROLEUM DAN GAS ASLI SUKU KEDUA 2024

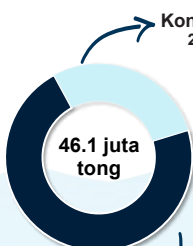
Pengeluaran Minyak mentah dan kondensat meningkat semula sebanyak 1.3 peratus, mencatatkan 46.1 juta tong pada suku kedua 2024

Minyak mentah dan kondensat
(^{'000} tong)
ST1 2022 - ST2 2024



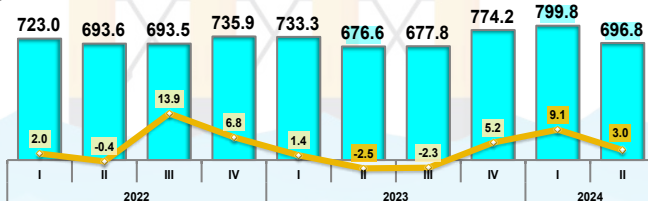
Pengeluaran

Sumbangan Pengeluaran
Minyak Mentah dan Kondensat



Minyak mentah
71.8%

Gas asli
(bilion kaki padu)
ST1 2022 - ST2 2024



Nota: Pengiraan oleh DOSM menggunakan statistik daripada PETRONAS dan MTJA

Harga, ST2 2024

WALP¹
(Malaysia)
USD86.9
7.9%

WTI²
USD81.7
10.7%

Brent

USD84.6
8.0%

Henry Hub

USD2.1
-4.5%

Perubahan peratusan tahunan, %

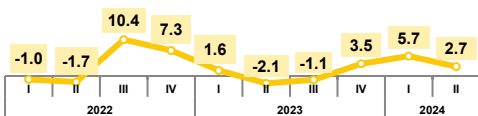
¹ WALP: Weighted Average Lifting Price

² WTI: West Texas Intermediate

Sumber: PETRONAS dan EIA

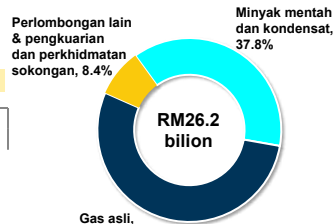
Keluaran Dalam Negeri Kasar (KDNK) pada Harga Malar 2015, ST2 2024

KDNK Perlombongan dan
Pengkuarian



Perubahan peratusan tahunan, %

Peratusan Sumbangan
Perlombongan dan Pengkuarian
mengikut Subsektor



Gas asli,
53.8%

Sumber: Keluaran Dalam Negeri Kasar (KDNK) ST2 2024, DOSM

Indeks Pengeluaran Perindustrian (IPP), ST2 2024



IPP Malaysia
4.5%



IPP Perlombongan
2.4%

Minyak mentah dan kondensat
1.7%

Gas asli
3.0%

Sumber: Indeks Pengeluaran Perindustrian Malaysia (2015=100) Jun 2024, DOSM

Nilai Jualan Produk Petroleum, ST2 2024



Jualan produk
petroleum bertapis³
RM52.5 bilion
-7.2%



Jualan borong bahan
api pepejal, cecair & gas
dan produk berkaitan⁴
RM38.7 bilion
3.1%



Jualan runcit di kedai
khusus yang menjual
bahan api kenderaan⁴
RM17.7 bilion
6.0%

Perubahan peratusan tahunan, %

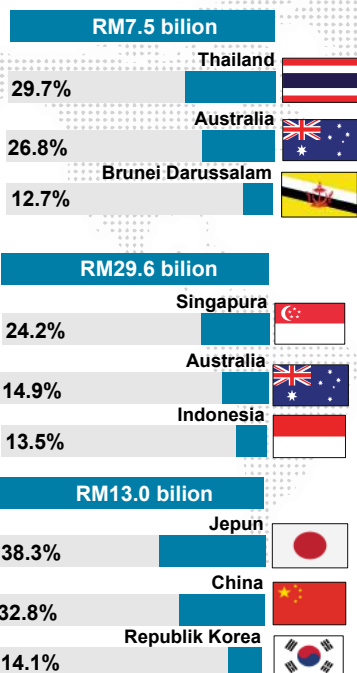
Sumber:

³Perangkaan Pembuatan Bulanan Jun 2024, DOSM

⁴Pretasi Perdagangan Borong & Runcit Jun 2024, DOSM

Eksport dan Import, ST2 2024

Eksport Negara
Destinasi Utama



Petroleum mentah
dan kondensat

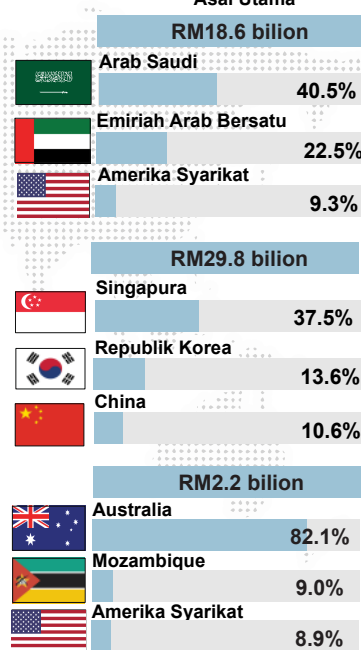


Keluaran petroleum
bertapis



Gas asli
cecair (LNG)

Import Negara
Asal Utama



%: Sumbangan

Sumber: DOSM, Jun 2024

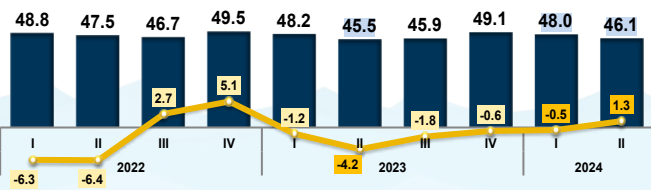
Nota: Statistik merujuk kepada peratusan sumbangan tertinggi mengikut negara asal dan destinasi

Sumber: Statistik Perlombongan Petroleum dan Gas Asli, Suku Kedua 2024
Jabatan Perangkaan Malaysia (DOSM)

MINING OF PETROLEUM AND NATURAL GAS STATISTICS SECOND QUARTER OF 2024

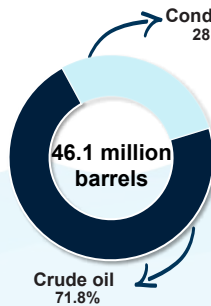
The production of Crude oil and condensate rebounded to 1.3 per cent, registering 46.1 million barrels in the second quarter of 2024

Crude oil and condensate
(^{'000} barrels)
Q1 2022 - Q2 2024

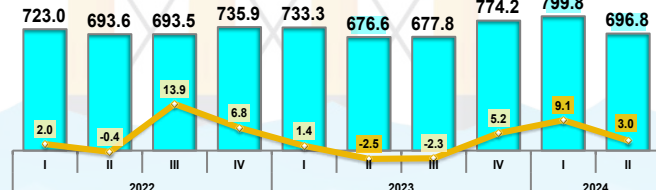


Production

Share of Crude Oil and Condensate Production



Natural gas
(billion cubic feet)
Q1 2022 - Q2 2024



Annual percentage change, %

Note: Calculation by DOSM using the statistics from PETRONAS and MTJA

Price, Q2 2024

WALP¹ (Malaysia)

USD86.9

7.9%

WTI²

USD81.7

10.7%

Brent

USD84.6

8.0%

Henry Hub

USD2.1

-4.5%

Annual percentage change, %

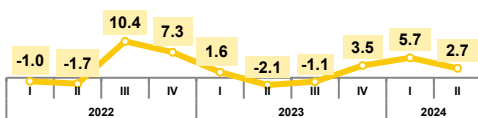
¹ WALP: Weighted Average Lifting Price

² WTI: West Texas Intermediate

Source: PETRONAS and EIA

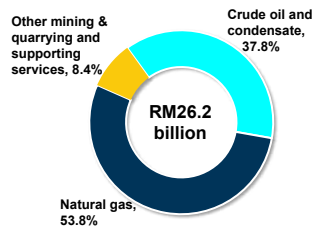
Gross Domestic Product (GDP) at Constant 2015 Prices, Q2 2024

GDP of Mining and Quarrying



Annual percentage change, %

Percentage Share of Mining and Quarrying by Subsectors



Industrial Production Index (IPI), Q2 2024



4.5%



2.4%

Crude oil and condensate

1.7%

Natural gas

3.0%

Source: Malaysia Industrial Production Index (2015=100) June 2024, DOSM

Sales Value of Petroleum Products, Q2 2024



Refined petroleum products³

RM52.5 billion

-7.2%



Wholesale of solid liquid & gaseous fuels and related products⁴

RM38.7 billion

3.1%



Retail sale of automotive fuel in specialised stores⁴

RM17.7 billion

6.0%

Annual percentage change, %

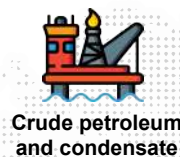
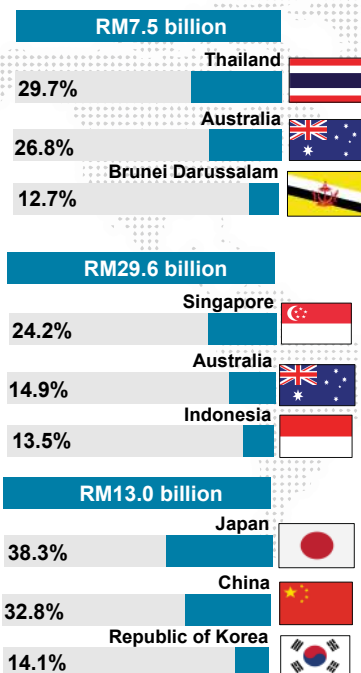
Source:

³ Monthly Manufacturing Statistics June 2024, DOSM

⁴ Performance of Wholesale & Retail Trade June 2024, DOSM

Exports and Imports, Q2 2024

Exports by Major Country of Destination



Crude petroleum and condensate

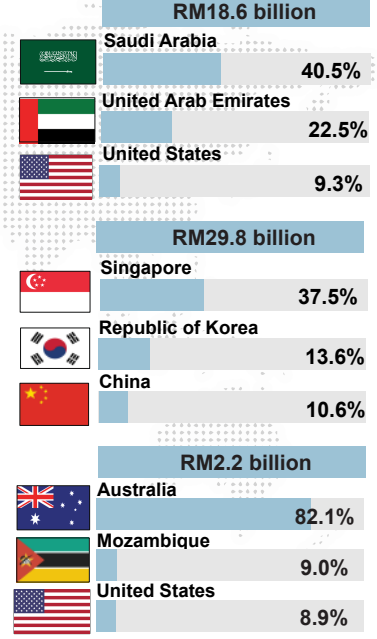


Refined petroleum products



Liquefied natural gas (LNG)

Imports by Major Country of Origin



%: Share

Source: DOSM, June 2024

Note: The statistics refer to the highest percentage share by country of origin and destination



1. Pengenalan

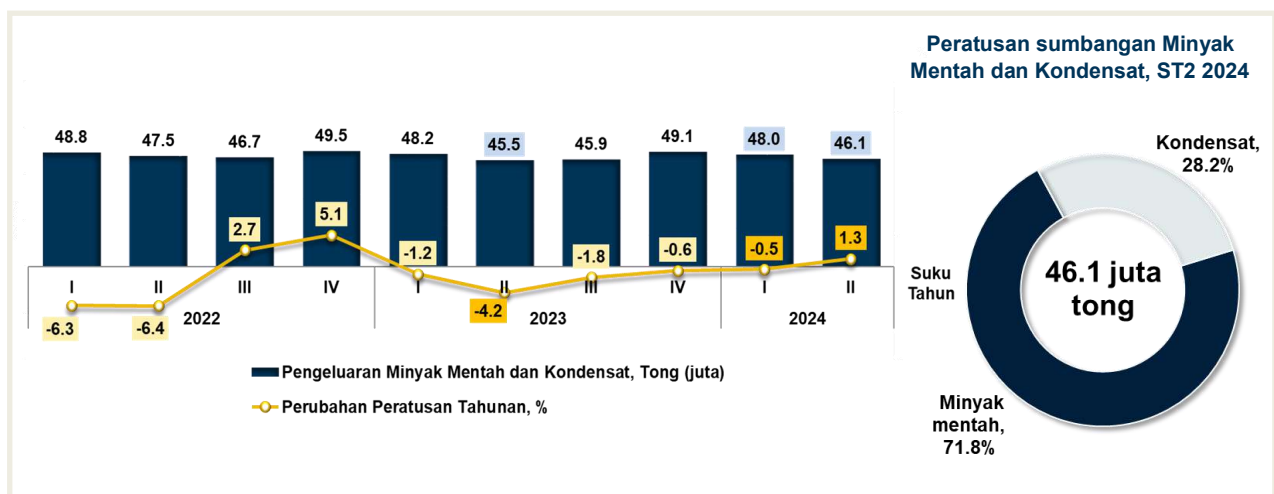
Statistik Perlombongan Petroleum dan Gas Asli membentangkan statistik pengeluaran minyak mentah, kondensat & gas asli; harga purata minyak mentah; pengeluaran & nilai jualan produk utama petroleum bertapis; jualan borong bahan api pepejal, cecair & gas & produk berkaitan; dan eksport & import petroleum mentah & kondensat, keluaran petroleum bertapis & gas asli cecair (LNG). Penerbitan ini turut melaporkan statistik Keluaran Dalam Negeri Kasar (KDNK), Indeks Pengeluaran Perindustrian (IPP), Indeks Harga Pengeluar (IHPR) mengikut aktiviti ekonomi serta statistik guna tenaga dan produktiviti buruh bagi sektor Perlombongan dan pengkuarian bagi tempoh suku pertama 2022 hingga suku kedua 2024. Statistik tahunan turut dilaporkan dalam penerbitan ini.

2. Prestasi Pengeluaran Minyak Mentah & Kondensat dan Gas Asli, Suku Kedua 2024

Pengeluaran Minyak mentah dan kondensat adalah sebanyak 46.1 juta tong pada suku kedua 2024, meningkat semula sebanyak 1.3 peratus selepas dua suku tahun berturut-turut dalam trend penurunan seperti di **Carta 1**. Peningkatan ini adalah berikutan daripada pemulihan dalam Minyak mentah yang bertumbuh sebanyak 0.1 peratus (ST1 2024: -5.8%), manakala Kondensat berkembang sebanyak 4.2 peratus (ST1 2024: 14.0%)

Minyak mentah menyumbang lebih dua pertiga daripada jumlah keseluruhan, berjumlah 33.1 juta tong (71.8%), manakala Kondensat merangkumi 28.2 peratus atau 13.0 juta tong pada suku kedua 2024.

Carta 1 Prestasi Pengeluaran Minyak Mentah dan Kondensat, ST1 2022 - ST2 2024



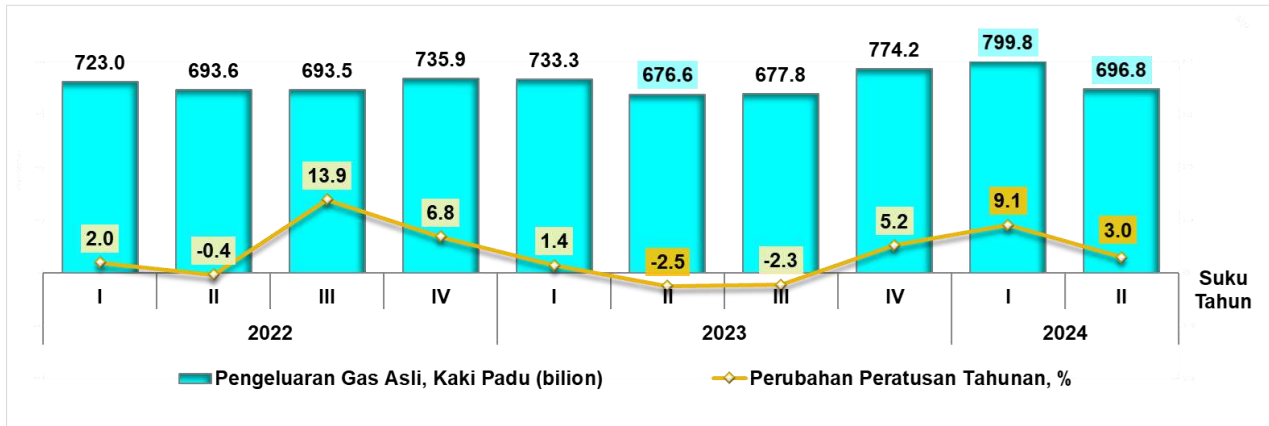
Nota: Pengiraan oleh DOSM menggunakan statistik daripada PETRONAS dan MTJA



RINGKASAN PENEMUAN

Dalam pada masa yang sama, pengeluaran Gas asli meningkat sebanyak 3.0 peratus pada suku tahun ini, pertumbuhan yang lebih perlahan berbanding 9.1 peratus yang direkodkan pada suku tahun sebelumnya. Ini menghasilkan jumlah pengeluaran sebanyak 696.8 bilion kaki padu berbanding 799.8 bilion pada suku pertama tahun 2024 (**Carta 2**).

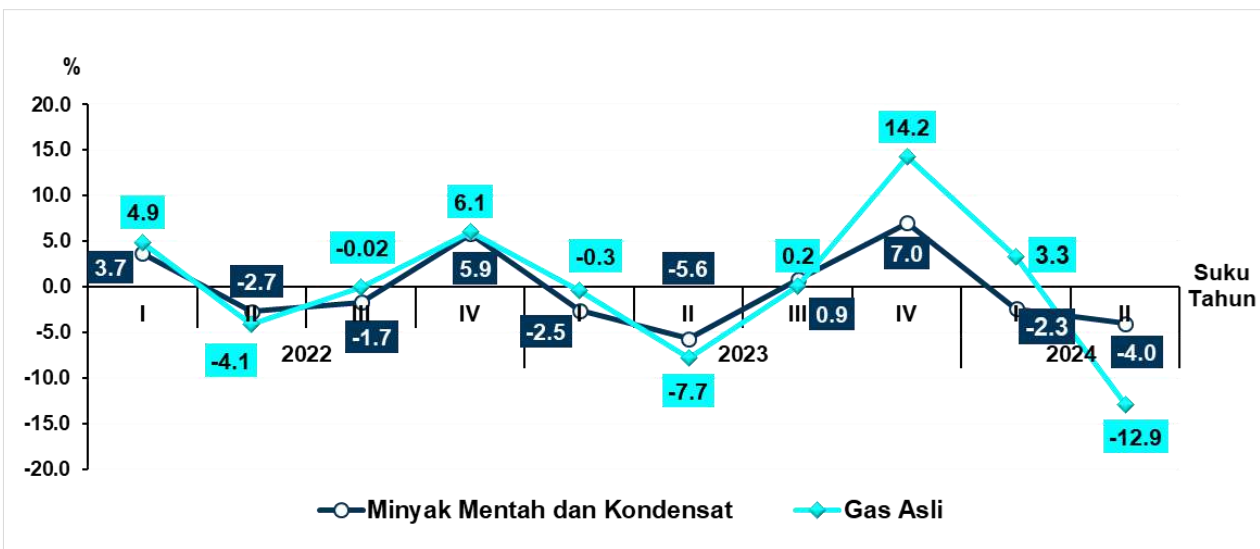
Carta 2 Prestasi Pengeluaran Gas Asli, ST1 2022 - ST2 2024



Nota: Pengiraan oleh DOSM menggunakan statistik daripada PETRONAS dan MTJA

Bagi perbandingan suku tahun ke suku tahun, pengeluaran Minyak mentah dan kondensat terus menyusut 4.0 peratus daripada negatif 2.3 peratus pada suku pertama tahun 2024. Pada masa yang sama, pengeluaran Gas asli turut jatuh 12.9 peratus berbanding pertumbuhan 3.3 peratus yang direkodkan pada suku tahun yang lalu (**Carta 3**).

Carta 3 Pengeluaran Minyak Mentah & Kondensat dan Gas Asli, ST1 2022 - ST2 2024 - Perubahan Peratusan dari Suku Tahun Sebelumnya



Nota: Pengiraan oleh DOSM menggunakan statistik daripada PETRONAS dan MTJA



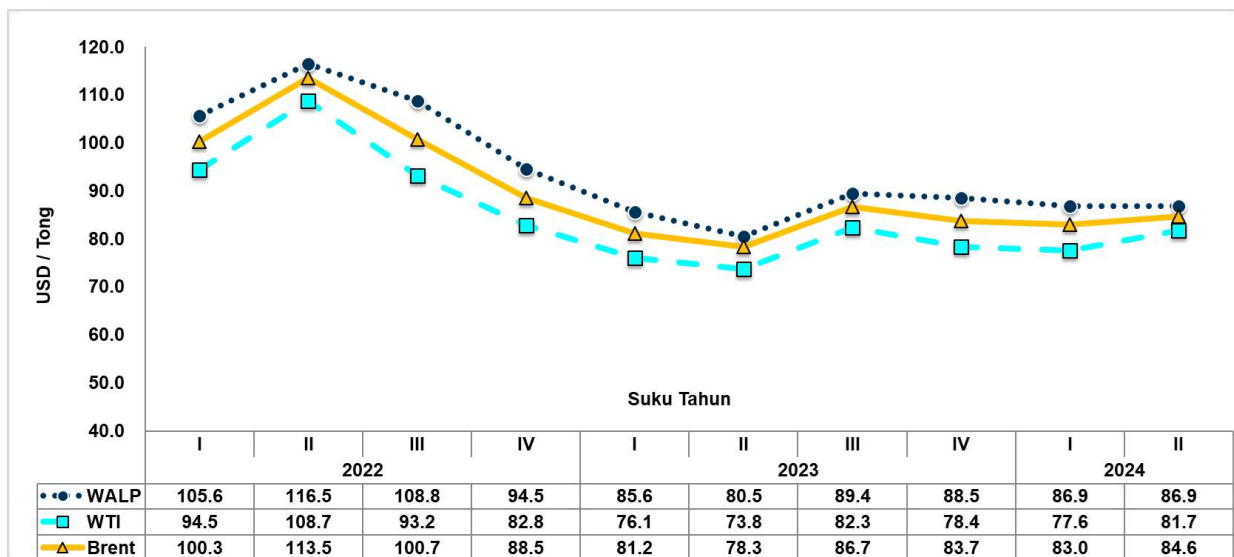
3. Harga Minyak Mentah dan Kondensat, Suku Kedua 2024

West Texas Intermediate (WTI) dan Brent digunakan dalam menilai prestasi harga Minyak mentah dan kondensat di peringkat pasaran global. Sementara itu, Harga Purata “Lifting” Berpemberat (WALP) adalah harga yang diwartakan dan digunakan di Malaysia. WTI merujuk kepada minyak mentah yang dihasilkan di Amerika Syarikat, khususnya di rantau Texas, manakala Brent merujuk kepada minyak mentah yang dihasilkan di beberapa lapangan minyak di Laut Utara, terutamanya di luar pesisir United Kingdom.

Harga WALP Minyak mentah masih kekal pada paras USD86.9 per tong pada suku tahun kedua 2024. Walau bagaimanapun, harga setiap tong WTI dan Brent menunjukkan peningkatan dengan masing-masing mencatatkan USD81.7 per tong (ST1 2024: USD77.6 per tong) dan USD84.6 per tong (ST1 2024: USD83.0 per tong) seperti di **Carta 4**.

Carta 4

Harga Minyak Mentah dan Kondensat, ST1 2022 - ST2 2024



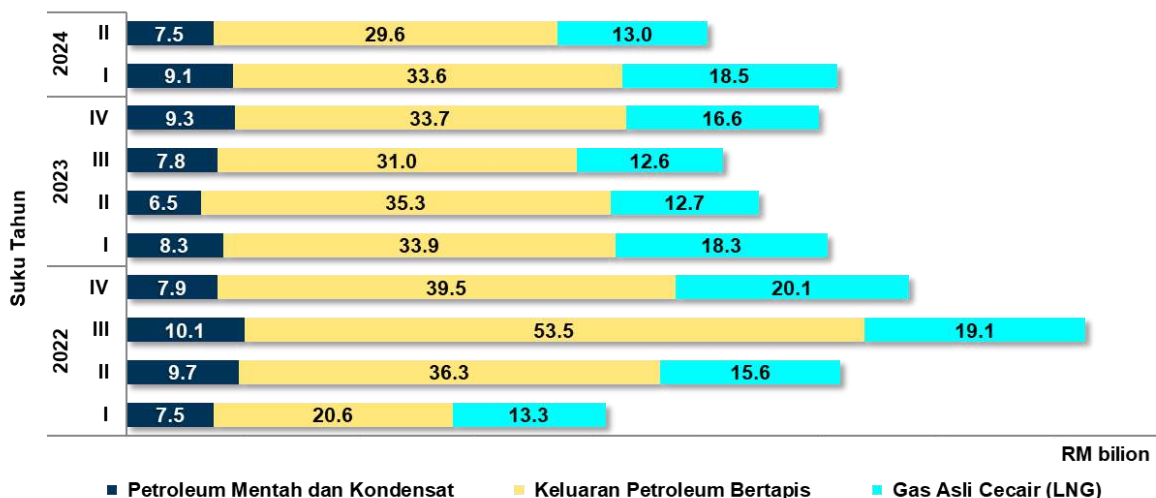
Sumber: PETRONAS dan EIA



4. Eksport Petroleum Mentah & Kondensat, Keluaran Petroleum Bertapis dan Gas Asli (LNG), Suku Kedua 2024

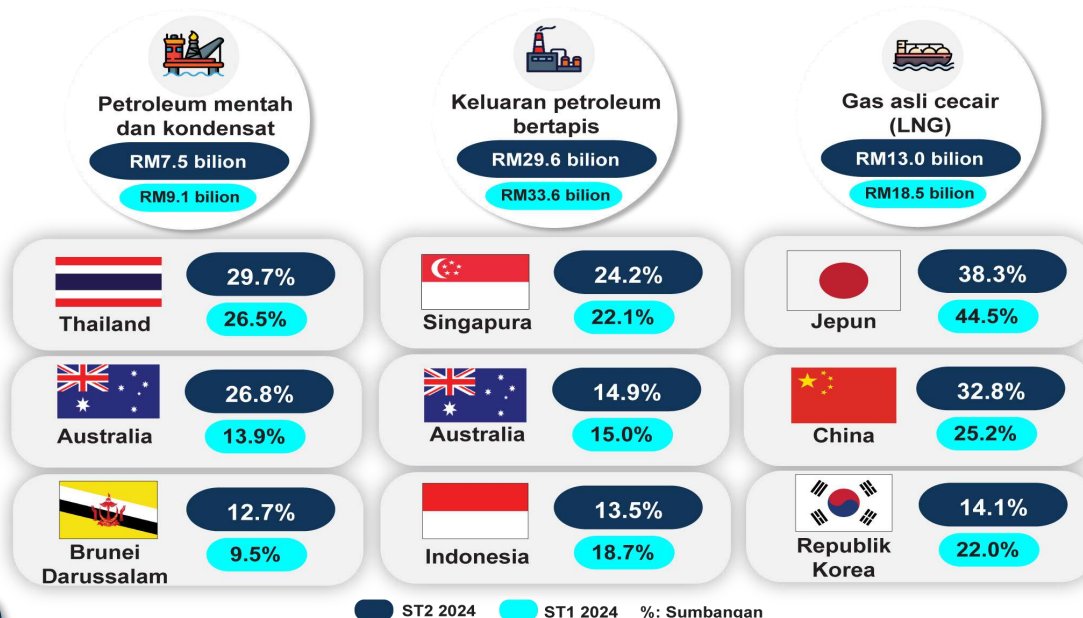
Nilai eksport Minyak mentah dan kondensat merekodkan RM7.5 bilion pada suku kedua 2024, lebih rendah berbanding RM9.1 bilion pada suku pertama 2024. Sementara itu, nilai eksport Keluaran petroleum bertapis berkurang kepada RM29.6 bilion berbanding RM33.6 bilion pada suku sebelumnya. Eksport LNG turut mencatatkan nilai yang rendah, daripada RM18.5 bilion pada suku pertama 2024 kepada RM13.0 bilion pada suku ini (**Carta 5**).

Carta 5 Eksport Petroleum Mentah & Kondensat, Keluaran Petroleum Bertapis dan Gas Asli Cecair (LNG), ST1 2022 - ST2 2024



Thailand kekal menjadi destinasi utama bagi eksport Petroleum mentah dan kondensat pada suku tahun ini dengan RM2.2 bilion atau merangkumi 29.7 peratus, diikuti oleh Australia (26.8%) dan Brunei Darussalam (12.7%). Di samping itu, Singapura juga terus mendominasi destinasi eksport utama bagi Keluaran petroleum bertapis berjumlah RM7.2 bilion atau 24.2 peratus, diikuti oleh Australia (14.9%) dan Indonesia (13.5%). Sementara itu, sejumlah RM5.0 bilion (38.3%) daripada LNG adalah dieksport ke Jepun, diikuti oleh China (32.8%) dan Republik Korea (14.1%) seperti yang ditunjukkan di **Paparan 1**.

Paparan 1 Eksport mengikut Negara Destinasi Utama - Petroleum Mentah & Kondensat, Keluaran Petroleum Bertapis dan Gas Asli Cecair (LNG), ST2 2024

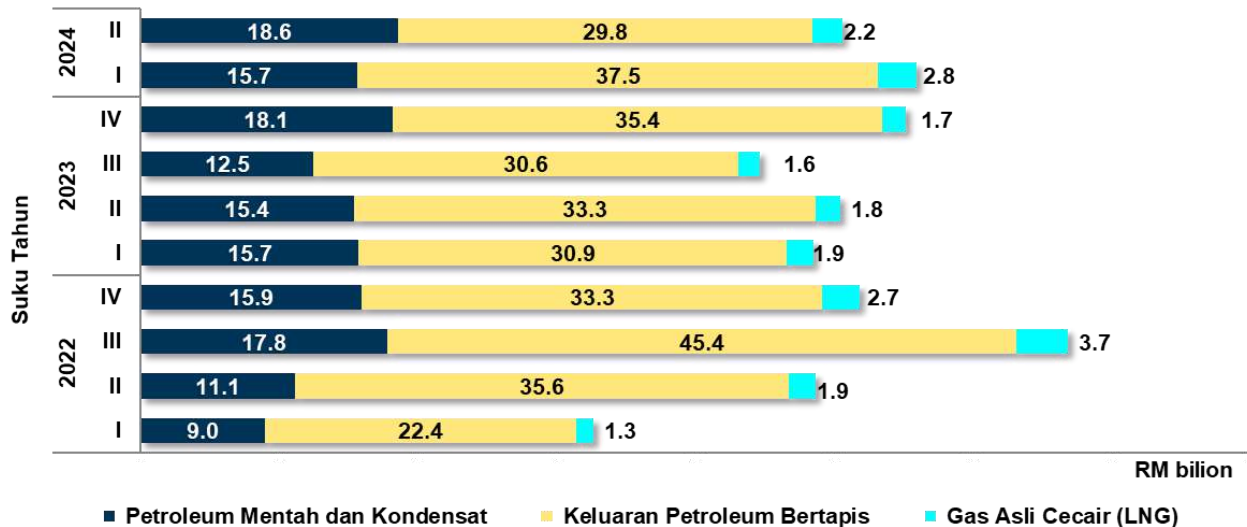




5. Import Petroleum Mentah & Kondensat, Keluaran Petroleum Bertapis dan Gas Asli Cecair (LNG), Suku Kedua 2024

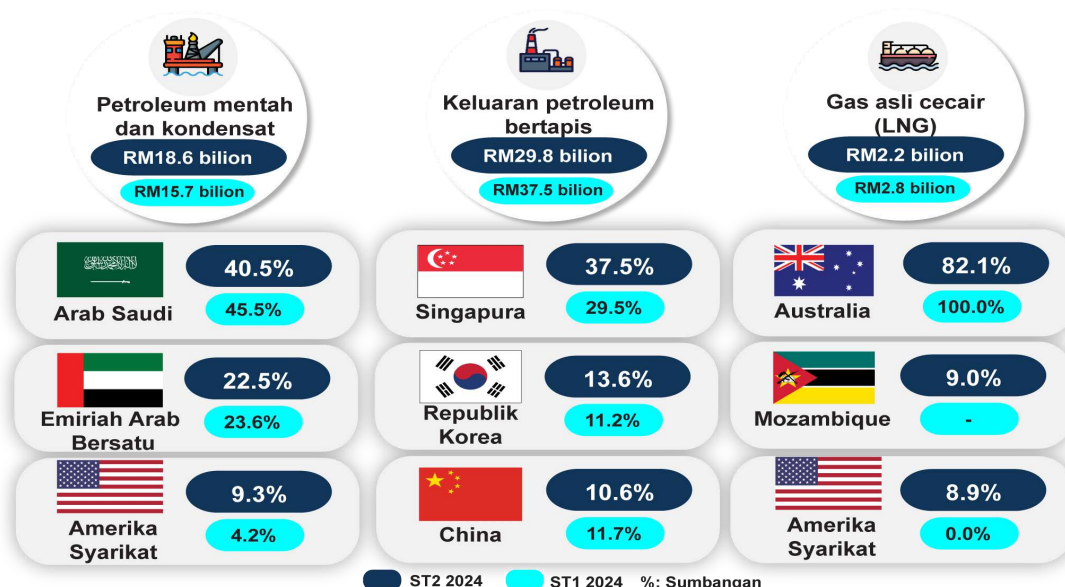
Import Minyak mentah dan kondensat berjumlah RM18.6 bilion untuk suku kedua tahun 2024 (ST1 2024: RM15.7 bilion). Sementara itu, nilai import bagi Keluaran petroleum bertapis adalah RM29.8 bilion, lebih rendah daripada RM37.5 bilion yang dicatatkan pada suku tahun sebelumnya. Selain itu, import bagi LNG turut mencatatkan penurunan pada suku ini kepada RM2.2 bilion (ST1 2024: RM2.8 bilion) seperti di **Carta 6**.

Carta 6 Import Petroleum Mentah & Kondensat, Keluaran Petroleum Bertapis dan Gas Asli Cecair (LNG), ST1 2022 - ST2 2024



Arab Saudi terus menjadi negara asal utama bagi import Petroleum mentah dan kondensat, merangkumi 40.5 peratus atau bersamaan dengan RM7.5 bilion pada suku tahun ini, diikuti oleh Emiriah Arab Bersatu (22.5%) dan Amerika Syarikat (9.3%). Bagi import Keluaran petroleum bertapis, Singapura telah menyumbang nilai tertinggi sebanyak RM11.2 bilion (37.5%), diikuti oleh Republik Korea (13.6%) dan China (10.6%). Di samping itu, Australia kekal sebagai negara asal dengan nilai import LNG tertinggi sebanyak RM1.8 bilion atau 82.1 peratus, diikuti oleh Mozambique (9.0%) dan Amerika Syarikat (8.9%) seperti di **Paparan 2**.

Paparan 2 Import mengikut Negara Asal Utama - Petroleum Mentah & Kondensat, Keluaran Petroleum Bertapis dan Gas Asli Cecair (LNG), ST2 2024

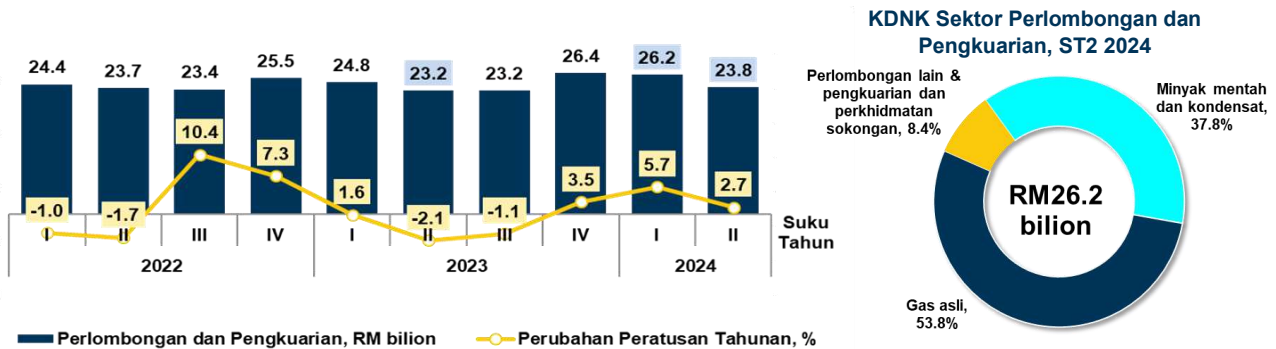




6. Keluaran Dalam Negeri Kasar Sektor Perlombongan dan Pengkuarian pada Harga Malar 2015, Suku Kedua 2024

Keluaran Dalam Negeri Kasar (KDNK) Sektor Perlombongan dan pengkuarian meningkat dengan kadar lebih perlahan 2.7 peratus berbanding pertumbuhan 5.7 peratus pada suku tahun sebelumnya seperti yang ditunjukkan di **Carta 7**. Subsektor Gas asli menyumbang secara konsisten melebihi 50 peratus kepada sektor Perlombongan dan pengkuarian dengan sumbangan 53.8 peratus pada suku tahun ini, diikuti oleh Minyak mentah dan kondensat iaitu 37.8 peratus.

Carta 7 Keluaran Dalam Negeri Kasar Sektor Perlombongan dan Pengkuarian pada Harga Malar 2015, ST1 2022 - ST2 2024





1. Introduction

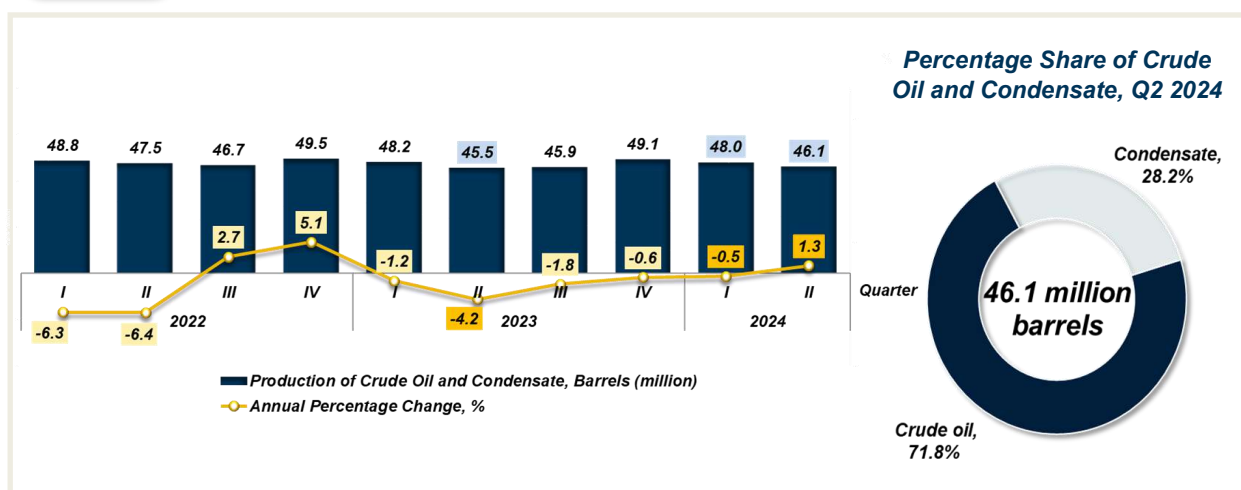
The Mining of Petroleum and Natural Gas Statistics presents the production of crude oil, condensate & natural gas statistics; the average price of crude oil; production & sales value of major refined petroleum products; wholesales of solid fuels, liquids & gases & related products; and exports & imports of crude petroleum & condensate, refined petroleum products & liquefied natural gas (LNG). This publication also reported the statistics on Gross Domestic Product (GDP), Industrial Production Index (IPI), Producer Price Index (PPI) according to economic activity as well as employment and labour productivity statistics for the Mining and quarrying sector for the period from the first quarter of 2022 to the second quarter of 2024. Annual statistics are also included in this publication.

2. Performance of Crude Oil & Condensate and Natural Gas Production, Second Quarter of 2024

Crude oil and condensate production was 46.1 million barrels in the second quarter of 2024, a rebound of 1.3 per cent after two consecutive quarters on the declining trend as shown in **Chart 1**. The improvement was attributable to the turnaround in Crude oil which grew by 0.1 per cent (Q1 2024: -5.8%), while Condensate expanded by 4.2 per cent (Q1 2024: 14.0%)

Crude oil production constituted more than two-thirds of the overall production, amounting to 33.1 million barrels (71.8%), whereas Condensate represented 28.2 per cent or 13.0 million barrels in the second quarter of 2024.

Chart 1 Performance of Crude Oil and Condensate Production, Q1 2022 - Q2 2024



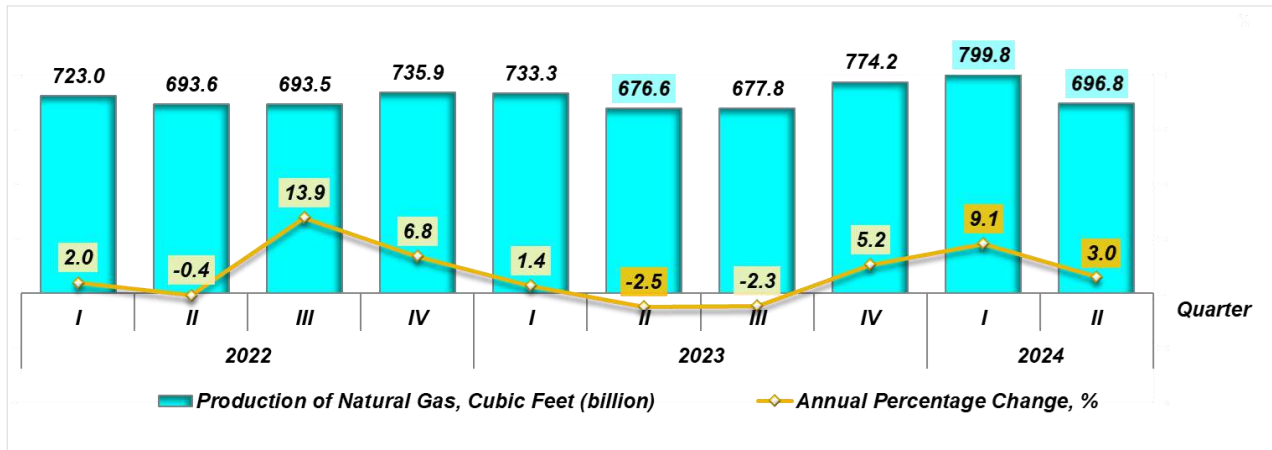
Note: Calculation by DOSM using the statistics from PETRONAS and MTJA



SUMMARY OF FINDINGS

In the meantime, Natural gas production increased by 3.0 per cent in this quarter, slower than the 9.1 per cent growth recorded in the previous quarter. This resulted in a production volume of 696.8 billion cubic feet compared to 799.8 billion in the first quarter of 2024 (**Chart 2**).

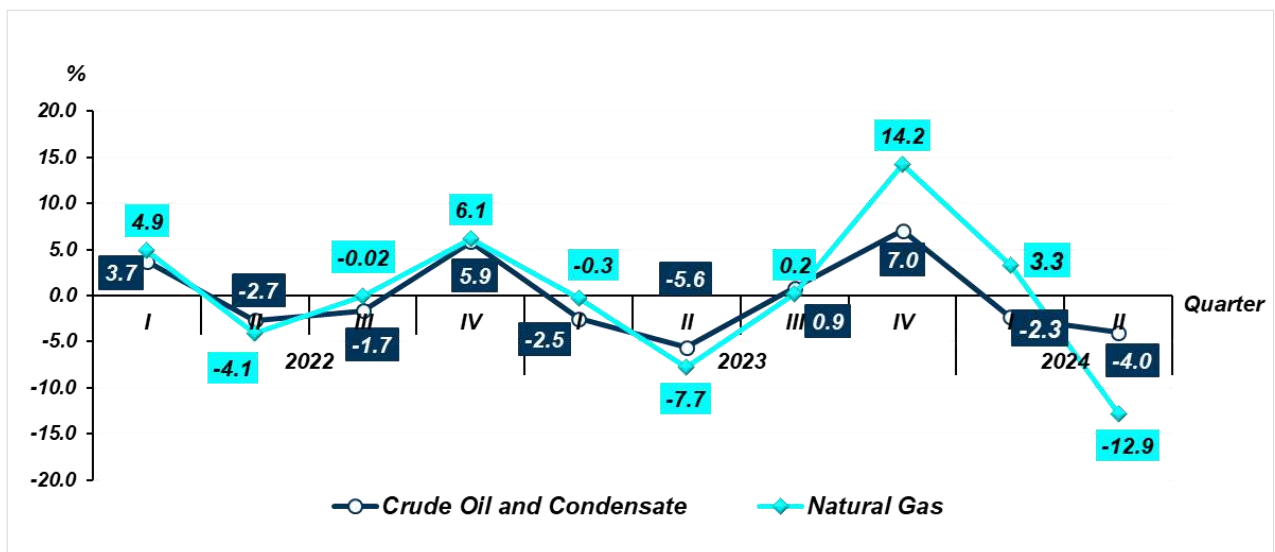
Chart 2 Performance of Natural Gas Production, Q1 2022 - Q2 2024



Note: Calculation by DOSM using the statistics from PETRONAS and MTJA

Comparing quarter-to-quarter, the production of Crude oil and condensate declined further by 4.0 per cent from negative 2.3 per cent in the first quarter of 2024. Likewise, the production of Natural gas also dropped 12.9 per cent, in contrast to 3.3 per cent growth recorded in the previous quarter (**Chart 3**).

Chart 3 Production of Crude Oil & Condensate and Natural Gas, Q1 2022 - Q2 2024 - Percentage Change from the Preceding Quarter



Note: Calculation by DOSM using the statistics from PETRONAS and MTJA

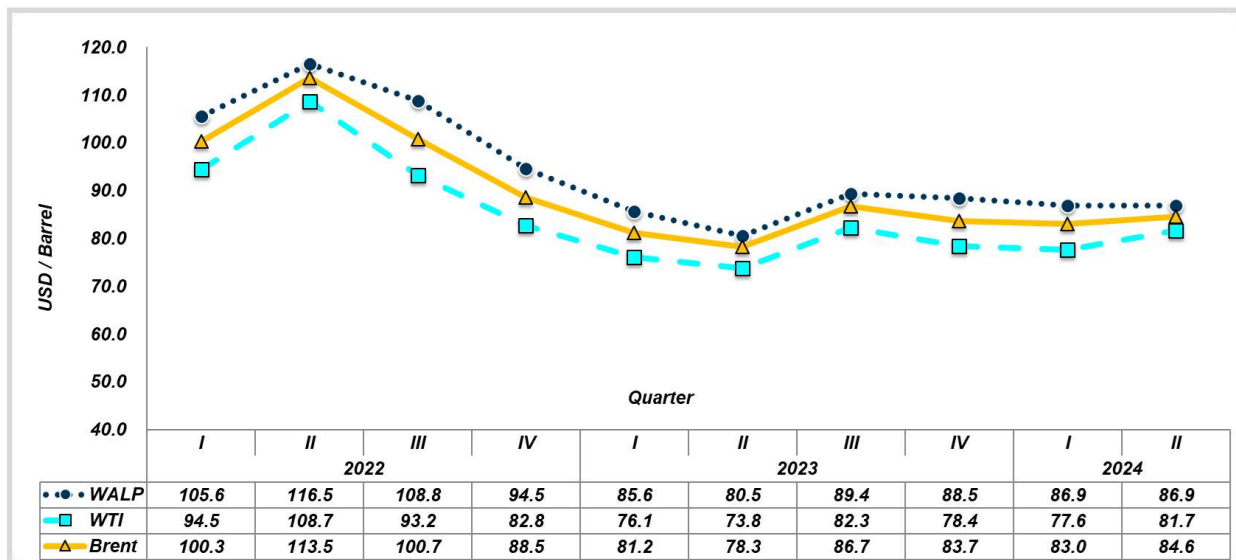


3. Prices of Crude Oil and Condensate, Second Quarter of 2024

West Texas Intermediate (WTI) and Brent are used to evaluate the performance of Crude oil and condensate in the global market. Meanwhile, the Weighted Average Lifting Price (WALP) is a gazetted price and used in Malaysia. WTI refers to crude oil produced in the United States, particularly in the Texas region, while Brent refers to crude oil produced in several oil fields in the North Sea, primarily in offshore waters of the United Kingdom.

The price of WALP Crude oil was sustained at USD86.9 per barrel in the second quarter of 2024. In contrast, the prices of WTI and Brent experienced an increase, registering USD81.7 per barrel (Q1 2024: USD77.6 per barrel) and USD84.6 per barrel (Q1 2024: USD83.0 per barrel), respectively as shown in **Chart 4**.

Chart 4 Prices of Crude Oil and Condensate, Q1 2022 - Q2 2024



Source: PETRONAS and EIA



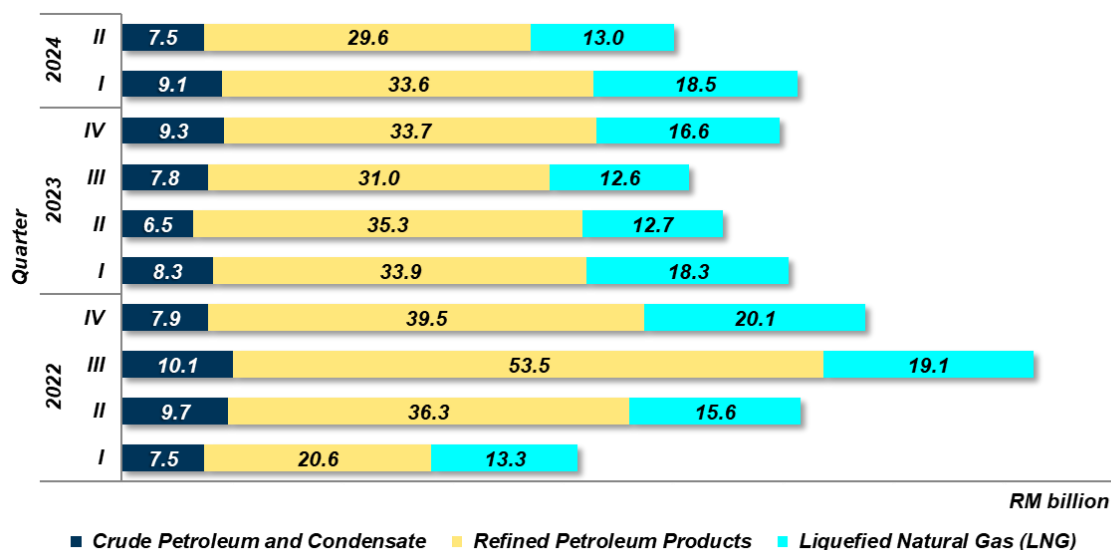
SUMMARY OF FINDINGS

4. Exports for Crude Petroleum & Condensate, Refined Petroleum Products and Liquefied Natural Gas (LNG), Second Quarter of 2024

The export value of Crude oil and condensate recorded RM7.5 billion in the second quarter of 2024, lower than RM9.1 billion in the first quarter of 2024. Meanwhile, the export value of Refined petroleum products decreased to RM29.6 billion in this quarter as compared to RM33.6 billion in the previous quarter. Exports of LNG also registered a lower value, from RM18.5 billion in the first quarter of 2024 to RM13.0 billion in this quarter (**Chart 5**).

Chart 5

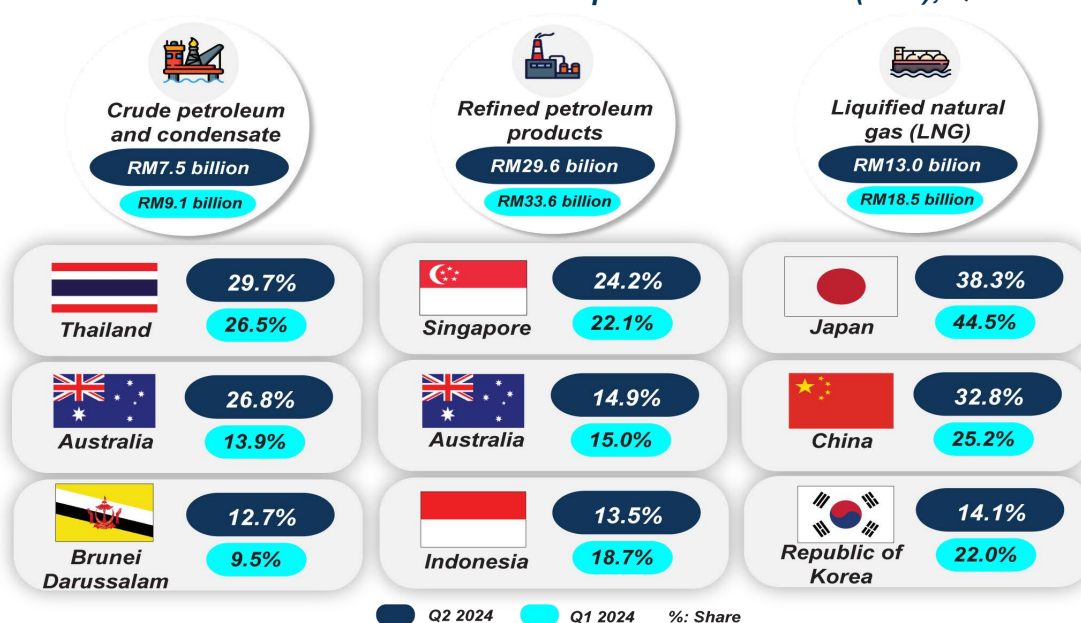
Exports of Crude Petroleum & Condensate, Refined Petroleum Products and Liquefied Natural Gas (LNG), Q1 2022 - Q2 2024



Thailand remained the top destination for Crude oil and condensate exports in this quarter, with RM2.2 billion or encompassing to 29.7 per cent, followed by Australia (26.8%) and Brunei Darussalam (12.7%). Furthermore, Singapore continued to dominate as the leading country destination of export for Refined petroleum products, accounting for RM7.2 billion or 24.2 per cent, followed by Australia (14.9%) and Indonesia (13.5%). Meanwhile, a total of RM5.0 billion (38.3%) of LNG exported to Japan, followed by China (32.8%) and Republic of Korea (14.1%) as shown in **Exhibit 1**.

Exhibit 1

Exports by Major Country of Destination - Crude Petroleum & Condensate, Refined Petroleum Products and Liquefied Natural Gas (LNG), Q2 2024

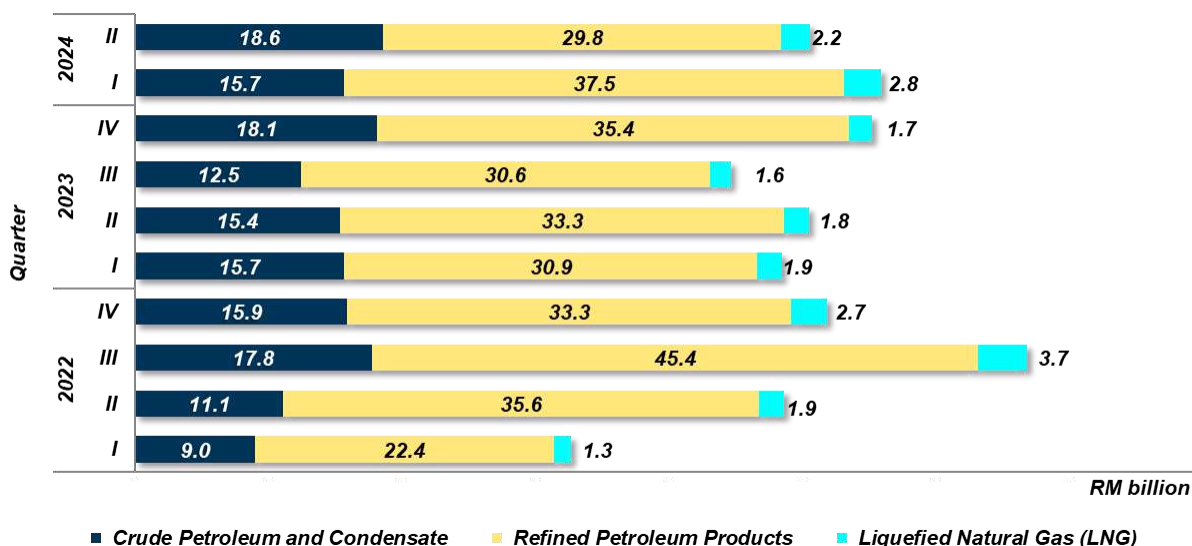




5. Imports for Crude Petroleum & Condensate, Refined Petroleum Products and Liquefied Natural Gas (LNG), Second Quarter of 2024

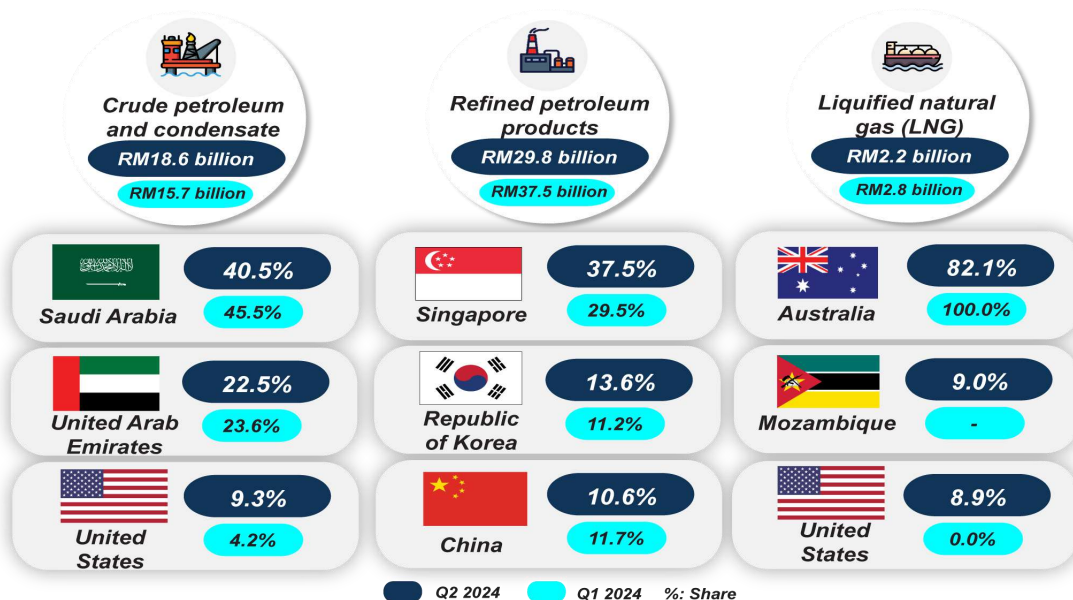
The imports of Crude oil and condensate amounted to RM18.6 billion in the second quarter of 2024 (Q1 2024: RM15.7 billion). Meanwhile, the import value of Refined petroleum products was RM29.8 billion, lower than RM37.5 billion recorded in the preceding quarter. In addition, import of LNG also registered a decrease in this quarter to RM2.2 billion (Q1 2024: RM2.8 billion) as shown in **Chart 6**.

Chart 6 Imports of Crude Petroleum & Condensate, Refined Petroleum Products and Liquefied Natural Gas (LNG), Q1 2022 - Q2 2024



Saudi Arabia continued as the major country of origin for Crude oil and condensate imports, comprising 40.5 per cent or equivalent to RM7.5 billion in this quarter, followed by the United Arab Emirates (22.5%) and the United States (9.3%). For Refined petroleum products imports, Singapore contributing the highest value at RM11.2 billion (37.5%), followed by Republic of Korea (13.6%) and China (10.6%). Additionally, Australia remained as the top country of origin with a LNG import value of RM1.8 billion or 82.1 per cent, followed by Mozambique (9.0%) and the United States (8.9%) as in **Exhibit 2**.

Exhibit 2 Imports by Major Country of Origin - Crude Petroleum & Condensate, Refined Petroleum Products and Liquefied Natural Gas (LNG), Q2 2024





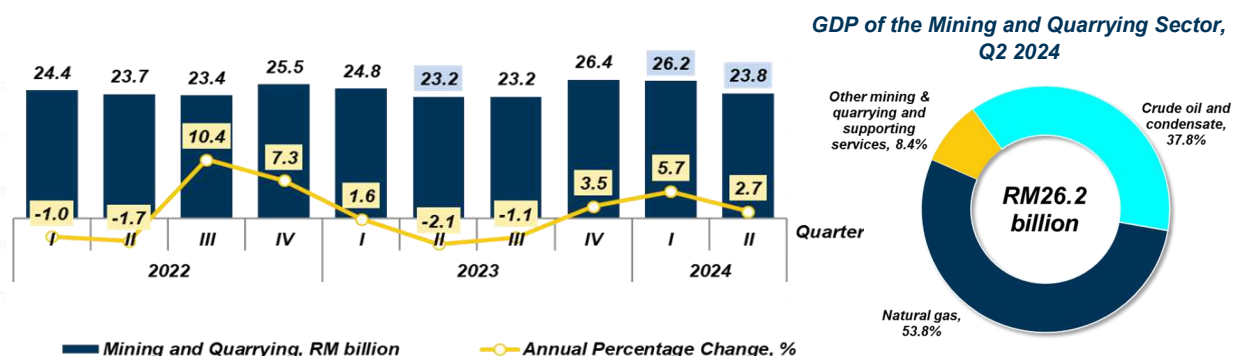
SUMMARY OF FINDINGS

6. Gross Domestic Product of the Mining and Quarrying Sector at Constant 2015 Prices, Second Quarter of 2024

The Gross Domestic Product (GDP) for the Mining and quarrying sector increased at slower rate of 2.7 per cent, as against 5.7 per cent growth in the previous quarter as shown in **Chart 7**. The Natural gas sub-sector which consistently contributed over 50 per cent to Mining and quarrying sector with a share of 53.8 per cent in this quarter, followed by Crude oil and condensate at 37.8 per cent.

Chart 7

Gross Domestic Product of the Mining and Quarrying Sector at Constant 2015 Prices, Q1 2022 - Q2 2024



BAHAGIAN
PART

2

JADUAL STATISTIK
STATISTICAL TABLES



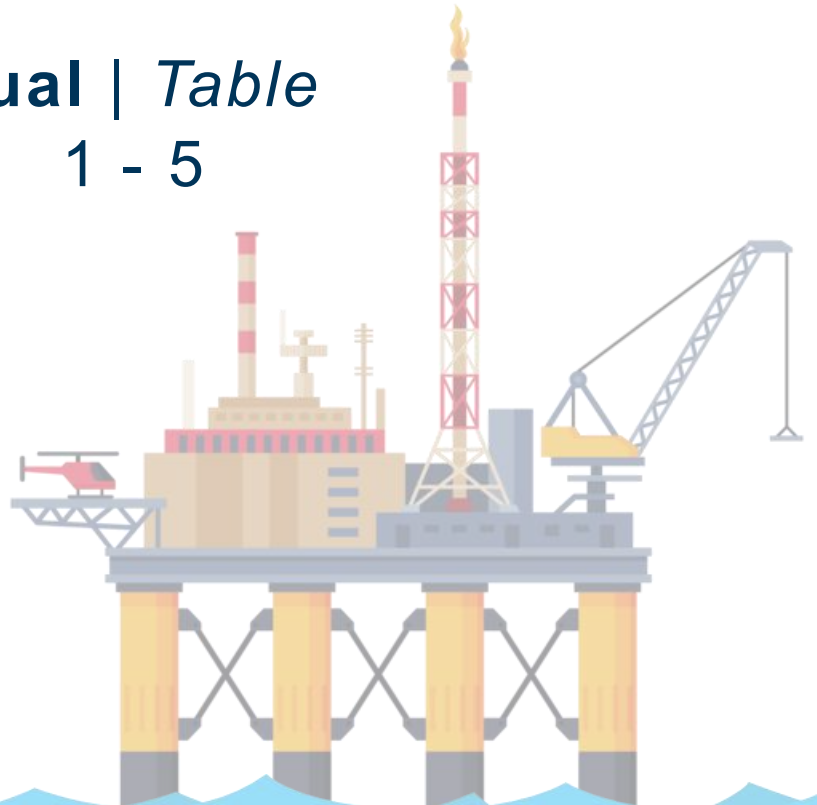
JADUAL STATISTIK *STATISTICAL TABLES*

SEGMENT
SEGMENT

A

PENGELUARAN, JUALAN DAN HARGA *PRODUCTION, SALES AND PRICES*

Jadual | *Table*
1 - 5



1a **Pengeluaran Minyak Mentah & Kondensat dan Gas Asli - Tahunan**
Production of Crude Oil & Condensate and Natural Gas - Annually

Keterangan Description		2018	2019	2020	2021	2022 ^r	2023 ^p
(A) Pengeluaran <i>Production</i>							
Minyak Mentah dan Kondensat <i>Crude Oil and Condensate</i>	Juta Tong <i>Million Barrels</i>	244.0	228.6	208.5	195.4	192.5	188.8
Minyak Mentah <i>Crude Oil</i>	Juta Tong <i>Million Barrels</i>	197.4	182.8	167.4	152.2	145.1	136.0
Kondensat <i>Condensate</i>	Juta Tong <i>Million Barrels</i>	46.6	45.8	41.1	43.2	47.4	52.8
Gas Asli <i>Natural Gas</i>	BCF	2,692.9	2,772.4	2,525.0	2,703.5	2,846.1	2,862.0
(B) Perubahan Peratusan Tahunan <i>Annual Percentage Change</i>							
Minyak Mentah dan Kondensat <i>Crude Oil and Condensate</i>		-0.9	-6.3	-8.8	-6.3	-1.5	-1.9
Minyak Mentah <i>Crude Oil</i>		-2.4	-7.4	-8.4	-9.1	-4.7	-6.3
Kondensat <i>Condensate</i>		6.5	-1.7	-10.2	5.2	9.7	11.3
Gas Asli <i>Natural Gas</i>		-3.7	3.0	-8.9	7.1	5.3	0.6
(C) Peratusan Sumbangan <i>Percentage Share</i>							
Minyak Mentah dan Kondensat <i>Crude Oil and Condensate</i>		100.0	100.0	100.0	100.0	100.0	100.0
Minyak Mentah <i>Crude Oil</i>		80.9	80.0	80.3	77.9	75.4	72.0
Kondensat <i>Condensate</i>		19.1	20.0	19.7	22.1	24.6	28.0
Gas Asli <i>Natural Gas</i>		100.0	100.0	100.0	100.0	100.0	100.0

Nota / Notes :

Pengiraan oleh DOSM menggunakan statistik daripada PETRONAS dan MTJA
Calculation by DOSM using the statistics from PETRONAS and MTJA

^p **Awalan / Preliminary**

^r **Disemak / Revised**

Pengeluaran Minyak Mentah & Kondensat dan Gas Asli - Suku Tahunan
Production of Crude Oil & Condensate and Natural Gas - Quarterly

Keterangan Description		2022 ^r				2023 ^p				2024	
		I	II	III	IV	I	II	III	IV	I	II
(A) Pengeluaran <i>Production</i>											
Minyak Mentah dan Kondensat <i>Crude Oil and Condensate</i>	Juta Tong <i>Million Barrels</i>	48.8	47.5	46.7	49.5	48.2	45.5	45.9	49.1	48.0	46.1
Minyak Mentah <i>Crude Oil</i>	Juta Tong <i>Million Barrels</i>	37.4	35.7	34.9	37.0	35.3	33.1	33.1	34.6	33.2	33.1
Kondensat <i>Condensate</i>	Juta Tong <i>Million Barrels</i>	11.4	11.8	11.8	12.4	13.0	12.5	12.8	14.5	14.8	13.0
Gas Asli <i>Natural Gas</i>	BCF	723.0	693.6	693.5	735.9	733.3	676.6	677.8	774.2	799.8	696.8
(B) Perubahan Peratusan dari Suku Tahun yang Sama Tahun Sebelumnya <i>Percentage Change from Corresponding Quarter of Preceding Year</i>											
Minyak Mentah dan Kondensat <i>Crude Oil and Condensate</i>		-6.3	-6.4	2.7	5.1	-1.2	-4.2	-1.8	-0.6	-0.5	1.3
Minyak Mentah <i>Crude Oil</i>		-6.9	-9.8	-2.5	1.2	-5.8	-7.5	-5.2	-6.6	-5.8	0.1
Kondensat <i>Condensate</i>		-4.2	5.9	21.6	18.7	13.8	5.6	8.5	17.0	14.0	4.2
Gas Asli <i>Natural Gas</i>		2.0	-0.4	13.9	6.8	1.4	-2.5	-2.3	5.2	9.1	3.0
(C) Perubahan Peratusan dari Suku Tahun Sebelumnya <i>Percentage Change from Preceding Quarter</i>											
Minyak Mentah dan Kondensat <i>Crude Oil and Condensate</i>		3.7	-2.7	-1.7	5.9	-2.5	-5.6	0.9	7.0	-2.3	-4.0
Minyak Mentah <i>Crude Oil</i>		2.2	-4.6	-2.2	6.1	-4.8	-6.3	0.1	4.6	-4.0	-0.4
Kondensat <i>Condensate</i>		8.8	3.6	0.2	5.1	4.3	-3.8	2.9	13.3	1.7	-12.1
Gas Asli <i>Natural Gas</i>		4.9	-4.1	0.0	6.1	-0.3	-7.7	0.2	14.2	3.3	-12.9
(D) Peratusan Sumbangan <i>Percentage Share</i>											
Minyak Mentah dan Kondensat <i>Crude Oil and Condensate</i>		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Minyak Mentah <i>Crude Oil</i>		76.7	75.2	74.7	74.9	73.1	72.6	72.1	70.4	69.2	71.8
Kondensat <i>Condensate</i>		23.3	24.8	25.3	25.1	26.9	27.4	27.9	29.6	30.8	28.2
Gas Asli <i>Natural Gas</i>		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

Nota / Notes :

Pengiraan oleh DOSM menggunakan statistik daripada PETRONAS dan MTJA
Calculation by DOSM using the statistics from PETRONAS and MTJA

^p *Awalan / Preliminary*

^r *Disemak / Revised*

2a Harga Minyak dan Gas - Tahunan
Price of Oil and Gas - Annually

Keterangan Description	2018	2019	2020	2021	2022	2023
(A) Harga (US Dollar) Price (US Dollar)						
Harga Purata 'Lifting' Berpemberat (USD/Tong) Weighted Average Lifting Price (USD/Barrel)	73.6	68.0	43.4	71.8	106.2	86.1
Cushing, OK WTI Spot Price FOB [Products in Dollars per Barrel]	65.2	57.0	39.2	68.1	94.9	77.6
Europe Brent Spot Price FOB [Products in Dollars per Barrel]	71.3	64.3	42.0	70.9	100.9	82.5
Natural Gas Spot and Futures Prices (NYMEX) [Dollars per Million Btu]	3.2	2.6	2.0	3.9	6.5	2.5
(B) Perubahan Peratusan Tahunan Annual Percentage Change						
Harga Purata 'Lifting' Berpemberat (USD/Tong) Weighted Average Lifting Price (USD/Barrel)	29.9	-7.6	-36.1	65.4	47.8	-18.9
Cushing, OK WTI Spot Price FOB [Products in Dollars per Barrel]	28.4	-12.6	-31.3	74.0	39.3	-18.3
Europe Brent Spot Price FOB [Products in Dollars per Barrel]	31.8	-9.9	-34.7	68.9	42.4	-18.3
Natural Gas Spot and Futures Prices (NYMEX) [Dollars per Million Btu]	5.4	-18.8	-20.7	91.6	65.8	-60.8

Sumber / Sources : Energy Information Association (EIA) & PETRONAS

2b Harga Minyak dan Gas - Suku Tahunan

Price of Oil and Gas - Quarterly

Keterangan Description	2022				2023				2024	
	I	II	III	IV	I	II	III	IV	I	II
(A) Harga (US Dollar) Price (US Dollar)										
Harga Purata 'Lifting' Berpemberat (USD/Tong) Weighted Average Lifting Price (USD/Barrel)	105.6	116.5	108.8	94.5	85.6	80.5	89.4	88.5	86.9	86.9
Cushing, OK WTI Spot Price FOB [Products in Dollars per Barrel]	94.5	108.7	93.2	82.8	76.1	73.8	82.3	78.4	77.6	81.7
Europe Brent Spot Price FOB [Products in Dollars per Barrel]	100.3	113.5	100.7	88.5	81.2	78.3	86.7	83.7	83.0	84.6
Natural Gas Spot and Futures Prices (NYMEX) [Dollars per Million Btu]	4.7	7.5	8.0	5.5	2.7	2.2	2.6	2.7	2.1	2.1
(B) Perubahan Peratusan dari Suku Tahun yang Sama Tahun Sebelumnya Percentage Change from Corresponding Quarter of Preceding Year										
Harga Purata 'Lifting' Berpemberat (USD/Tong) Weighted Average Lifting Price (USD/Barrel)	70.1	66.7	46.7	15.1	-18.9	-30.9	-17.8	-6.4	1.5	7.9
Cushing, OK WTI Spot Price FOB [Products in Dollars per Barrel]	63.4	64.5	31.9	6.9	-19.4	-32.1	-11.7	-5.3	2.0	10.7
Europe Brent Spot Price FOB [Products in Dollars per Barrel]	64.9	64.9	37.1	11.2	-19.0	-31.0	-13.9	-5.5	2.2	8.0
Natural Gas Spot and Futures Prices (NYMEX) [Dollars per Million Btu]	30.8	154.1	83.4	16.2	-42.0	-70.6	-67.5	-51.3	-22.2	-4.5
(C) Perubahan Peratusan dari Suku Tahun Sebelumnya Percentage Change from Preceding Quarter										
Harga Purata 'Lifting' Berpemberat (USD/Tong) Weighted Average Lifting Price (USD/Barrel)	28.6	10.3	-6.6	-13.1	-9.4	-6.0	11.1	-1.0	-1.8	0.0
Cushing, OK WTI Spot Price FOB [Products in Dollars per Barrel]	22.0	15.1	-14.3	-11.2	-8.1	-3.0	11.5	-4.7	-1.0	5.3
Europe Brent Spot Price FOB [Products in Dollars per Barrel]	26.0	13.2	-11.3	-12.1	-8.3	-3.6	10.7	-3.5	-0.8	1.9
Natural Gas Spot and Futures Prices (NYMEX) [Dollars per Million Btu]	-2.4	60.6	6.8	-30.6	-51.3	-18.5	18.2	3.8	-22.2	0.0

Sumber / Sources : Energy Information Association (EIA) & PETRONAS

3a **Pengeluaran Produk Utama dalam Industri Produk Petroleum Bertapis - Tahunan**
Production of Major Products in Refined Petroleum Products Industry - Annually

Keterangan Description	2018	2019	2020	2021	2022	2023
(A) Pengeluaran ('000 Tan Metrik) <i>Production ('000 Metric Tonnes)</i>						
Gas Asli Cecair / Liquefied Natural Gas	28,161	28,672	26,576	29,012	31,283	31,280
Gas Petroleum Cecair / Liquefied Petroleum Gas	2,722	2,901	2,549	2,693	2,678	2,524
Gasolin (Spirit Motor) / Gasoline (Motor Spirit)	5,828	5,862	4,981	6,433	6,466	4,639
Minyak Bahan Api / Fuel Oil	2,802	2,701	2,089	2,119	1,990	1,935
Minyak Diesel / Gas / Diesel / Gas Oil	12,216	13,019	10,922	12,881	15,332	16,187
Minyak Pelincir Campuran / Blended Lubricating Oil	158	138	92	107	145	186
Minyak Tanah / Kerosene	4,123	4,236	3,695	4,168	3,158	3,275
Nafta / Naptha	4,266	4,336	3,754	3,901	3,259	2,975
Jumlah / Total	60,277	61,864	54,658	61,314	64,311	63,002
(B) Perubahan Peratusan Tahunan <i>Annual Percentage Change</i>						
Gas Asli Cecair / Liquefied Natural Gas	3.9	1.8	-7.3	9.2	7.8	0.0
Gas Petroleum Cecair / Liquefied Petroleum Gas	11.2	6.6	-12.1	5.6	-0.6	-5.7
Gasolin (Spirit Motor) / Gasoline (Motor Spirit)	1.7	0.6	-15.0	29.2	0.5	-28.3
Minyak Bahan Api / Fuel Oil	-0.5	-3.6	-22.7	1.4	-6.1	-2.8
Minyak Diesel / Gas / Diesel / Gas Oil	0.5	6.6	-16.1	17.9	19.0	5.6
Minyak Pelincir Campuran / Blended Lubricating Oil	5.4	-12.4	-33.3	15.4	35.7	28.8
Minyak Tanah / Kerosene	4.5	2.7	-12.8	12.8	-24.2	3.7
Nafta / Naptha	5.5	1.6	-13.4	3.9	-16.5	-8.7
Jumlah / Total	3.2	2.6	-11.6	12.2	4.9	-2.0
(C) Peratusan Sumbangan <i>Percentage Share</i>						
Gas Asli Cecair / Liquefied Natural Gas	46.7	46.3	48.6	47.3	48.6	49.6
Gas Petroleum Cecair / Liquefied Petroleum Gas	4.5	4.7	4.7	4.4	4.2	4.0
Gasolin (Spirit Motor) / Gasoline (Motor Spirit)	9.7	9.5	9.1	10.5	10.1	7.4
Minyak Bahan Api / Fuel Oil	4.6	4.4	3.8	3.5	3.1	3.1
Minyak Diesel / Gas / Diesel / Gas Oil	20.3	21.0	20.0	21.0	23.8	25.7
Minyak Pelincir Campuran / Blended Lubricating Oil	0.3	0.2	0.2	0.2	0.2	0.3
Minyak Tanah / Kerosene	6.8	6.8	6.8	6.8	4.9	5.2
Nafta / Naptha	7.1	7.0	6.9	6.4	5.1	4.7
Jumlah / Total	100.0	100.0	100.0	100.0	100.0	100.0

Sumber : Perangkaan Pembuatan Bulanan
Source : Monthly Manufacturing Statistics

3b

Pengeluaran Produk Utama dalam Industri Petroleum Bertapis - Suku Tahunan

Production of Major Products in Refined Petroleum Products Industry- Quarterly

Keterangan Description	2022				2023				2024	
	I	II	III	IV	I	II	III	IV	I	II
(A) Pengeluaran ('000 Tan Metrik) Production ('000 Metric Tonnes)										
Gas Asli Cecaair / Liquefied Natural Gas	8,023	7,385	8,337	7,539	8,390	7,069	7,888	7,933	9,054	7,078
Gas Petroleum Cecaair / Liquefied Petroleum Gas	673	705	654	645	670	727	605	521	572	721
Gasolin (Spirit Motor) / Gasoline (Motor Spirit)	1,446	1,827	1,834	1,359	1,159	1,327	1,269	883	727	1,065
Minyak Bahan Api / Fuel Oil	516	446	500	529	438	478	558	462	461	579
Minyak Diesel / Gas / Diesel / Gas Oil	3,401	2,804	4,374	4,753	4,741	3,070	4,009	4,368	4,340	3,361
Minyak Pelincir Campuran / Blended Lubricating Oil	23	29	48	45	36	41	52	56	50	56
Minyak Tanah / Kerosene	827	774	745	812	799	1,009	701	767	756	1,178
Nafta / Naptha	865	805	806	783	738	937	643	657	643	1,132
Jumlah / Total	15,773	14,776	17,297	16,465	16,971	14,658	15,726	15,647	16,603	15,172
(B) Perubahan Peratusan dari Suku Tahun yang Sama Tahun Sebelumnya Percentage Change from Corresponding Quarter of Preceding Year										
Gas Asli Cecaair / Liquefied Natural Gas	5.1	7.0	15.8	3.7	4.6	-4.3	-5.4	5.2	7.9	0.1
Gas Petroleum Cecaair / Liquefied Petroleum Gas	2.5	8.5	-0.6	-11.4	-0.4	3.1	-7.4	-19.2	-14.6	-0.8
Gasolin (Spirit Motor) / Gasoline (Motor Spirit)	-1.8	18.6	4.2	-18.1	-19.8	-27.4	-30.8	-35.0	-37.3	-19.7
Minyak Bahan Api / Fuel Oil	-1.4	-12.5	-12.9	3.3	-15.1	7.1	11.6	-12.7	5.4	21.3
Minyak Diesel / Gas / Diesel / Gas Oil	14.3	4.6	20.4	32.3	39.4	9.5	-8.3	-8.1	-8.5	9.5
Minyak Pelincir Campuran / Blended Lubricating Oil	23.8	21.0	40.3	49.6	56.3	43.9	9.1	25.9	36.8	36.1
Minyak Tanah / Kerosene	-10.8	-25.1	-32.1	-26.9	-3.4	30.4	-5.9	-5.6	-5.4	16.8
Nafta / Naptha	-15.5	-16.6	-16.8	-17.1	-14.7	16.4	-20.2	-16.2	-12.9	20.9
Jumlah / Total	3.5	3.3	8.6	3.9	7.6	-0.8	-9.1	-5.0	-2.2	3.5
(C) Perubahan Peratusan dari Suku Tahun Sebelumnya Percentage Change from Preceding Quarter										
Gas Asli Cecaair / Liquefied Natural Gas	10.4	-7.9	12.9	-9.6	11.3	-15.7	11.6	0.6	14.1	-21.8
Gas Petroleum Cecaair / Liquefied Petroleum Gas	-7.6	4.8	-7.3	-1.3	3.8	8.5	-16.8	-13.9	9.8	26.0
Gasolin (Spirit Motor) / Gasoline (Motor Spirit)	-12.9	26.4	0.3	-25.9	-14.7	14.5	-4.4	-30.4	-17.7	46.5
Minyak Bahan Api / Fuel Oil	0.8	-13.6	12.2	5.7	-17.2	9.1	16.9	-17.3	-0.1	25.5
Minyak Diesel / Gas / Diesel / Gas Oil	-5.3	-17.5	56.0	8.7	-0.3	-35.2	30.6	8.9	-0.6	-22.6
Minyak Pelincir Campuran / Blended Lubricating Oil	-22.2	23.0	66.4	-6.0	-18.7	13.2	26.0	8.5	-11.7	12.7
Minyak Tanah / Kerosene	-25.5	-6.4	-3.7	9.0	-1.6	26.3	-30.5	9.4	-1.5	56.0
Nafta / Naptha	-8.4	-7.0	0.1	-2.8	-5.8	26.9	-31.3	2.1	-2.1	76.1
Jumlah / Total	-0.5	-6.3	17.1	-4.8	3.1	-13.6	7.3	-0.5	6.1	-8.6
(D) Peratusan Sumbangan Percentage Share										
Gas Asli Cecaair / Liquefied Natural Gas	50.9	50.0	48.2	45.8	49.4	48.2	50.2	50.7	54.5	46.7
Gas Petroleum Cecaair / Liquefied Petroleum Gas	4.3	4.8	3.8	3.9	3.9	5.0	3.8	3.3	3.4	4.8
Gasolin (Spirit Motor) / Gasoline (Motor Spirit)	9.2	12.4	10.6	8.3	6.8	9.1	8.1	5.6	4.4	7.0
Minyak Bahan Api / Fuel Oil	3.3	3.0	2.9	3.2	2.6	3.3	3.5	3.0	2.8	3.8
Minyak Diesel / Gas / Diesel / Gas Oil	21.6	19.0	25.3	28.9	27.9	20.9	25.5	27.9	26.1	22.2
Minyak Pelincir Campuran / Blended Lubricating Oil	0.1	0.2	0.3	0.3	0.2	0.3	0.3	0.4	0.3	0.4
Minyak Tanah / Kerosene	5.2	5.2	4.3	4.9	4.7	6.9	4.5	4.9	4.6	7.8
Nafta / Naptha	5.5	5.4	4.7	4.8	4.3	6.4	4.1	4.2	3.9	7.5
Jumlah / Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

Sumber : Perangkaan Pembuatan Bulanan
Source : Monthly Manufacturing Statistics

Pengeluaran Produk Utama dalam Industri Produk Kimia - Tahunan
Production of Major Products in Chemical Products Industry - Annually

Keterangan Description		2018	2019	2020	2021	2022	2023
(A) Pengeluaran ('000) <i>Production ('000)</i>							
Baja (termasuk urea) / Fertilizers (includes urea)	(Tan / Tonne)	3,616	3,721	4,080	5,840	7,584	5,906
Cat asas / Primers	(Liter / Litre)	24,642	29,629	20,036	19,302	18,341	21,341
Cat emulsi / Emulsion paints	(Liter / Litre)	118,111	101,689	68,600	49,480	58,557	69,895
Cat lapis / Under-coats	(Liter / Litre)	14,754	14,977	13,869	17,890	17,876	13,018
Dakwat pencetak / Printing ink	(Tan / Tonne)	38	33	35	29	22	21
Methanol (methyl alcohol) / Methanol (methyl alcohol)	(Tan / Tonne)	6,034	6,999	4,555	3,717	4,365	5,091
Nitrogen dan oksigen / Nitrogen and oxygen	(Meter padu Cubic metre)	418,770	416,483	456,279	564,435	610,924	526,968
Pelekat perindustrian / Adhesive, industrial	(Liter / Litre)	241,025	191,096	161,056	156,030	156,135	166,254
Pelembut fabrik / Fabric softener	(Liter / Litre)	65,640	65,858	40,262	33,368	31,289	29,438
Sebatian P.V.C. / P.V.C. compound	(Tan / Tonne)	110	101	76	88	71	56
Racun serangga aerosol (cecair) / Aerosol insecticides (liquid)	(Liter / Litre)	7,965	7,398	7,242	7,058	6,083	5,163
Racun herba (cecair) / Herbicides (liquid)	(Liter / Litre)	58,626	38,807	55,497	68,379	97,263	91,732
Racun herba (bukan cecair) / Herbicides (non-liquid)	(Tan / Tonne)	32	27	43	66	91	58
Sabun mandi / Toilet soap	(Tan / Tonne)	45	46	21	17	15	15
Sabun serbuk (bahan pencuci) / Soap powder (detergents)	(Tan / Tonne)	148	133	97	102	97	78
(B) Perubahan Peratusan Tahunan <i>Annual Percentage Change</i>							
Baja (termasuk urea) / Fertilizers (includes urea)		27.4	2.9	9.7	43.1	29.9	-22.1
Cat asas / Primers		18.6	20.2	-32.4	-3.7	-5.0	16.4
Cat emulsi / Emulsion paints		28.1	-13.9	-32.5	-27.9	18.3	19.4
Cat lapis / Under-coats		44.1	1.5	-7.4	29.0	-0.1	-27.2
Dakwat pencetak / Printing ink		-9.7	-13.2	8.4	-18.7	-23.5	-4.3
Methanol (methyl alcohol) / Methanol (methyl alcohol)		176.2	16.0	-34.9	-18.4	17.4	16.6
Nitrogen dan oksigen / Nitrogen and oxygen		-38.1	-0.5	9.6	23.7	8.2	-13.7
Pelekat perindustrian / Adhesive, industrial		6.2	-20.7	-15.7	-3.1	0.1	6.5
Pelembut fabrik / Fabric softener		4.5	0.3	-38.9	-17.1	-6.2	-5.9
Sebatian P.V.C. / P.V.C. compound		0.1	-8.0	-24.6	16.0	-19.1	-21.1
Racun serangga aerosol (cecair) / Aerosol insecticides (liquid)		-13.8	-7.1	-2.1	-2.5	-13.8	-15.1
Racun herba (cecair) / Herbicides (liquid)		7.2	-33.8	43.0	23.2	42.2	-5.7
Racun herba (bukan cecair) / Herbicides (non-liquid)		152.1	-16.5	60.8	53.1	38.2	-36.9
Sabun mandi / Toilet soap		33.0	0.3	-53.8	-19.6	-8.5	-3.5
Sabun serbuk (bahan pencuci) / Soap powder (detergents)		-19.0	-10.0	-27.4	5.5	-4.6	-20.1

Sumber : Perangkaan Pembuatan Bulanan

Source : Monthly Manufacturing Statistics

4b **Pengeluaran Utama dalam Industri Produk Kimia - Suku Tahunan**
Production of Major Products in Chemical Products Industry - Quarterly

Keterangan Description		2022				2023				2024	
		I	II	III	IV	I	II	III	IV	I	II
(A) Pengeluaran ('000) Production ('000)											
Baja (termasuk urea) / Fertilizers (includes urea)	(Tan / Tonne)	1,757	1,549	2,113	2,166	1,507	1,261	1,627	1,511	1,379	1,293
Cat asas / Primers	(Liter / Litre)	5,044	3,624	4,572	5,101	4,731	3,740	6,271	6,599	5,710	5,147
Cat emulsi / Emulsion paints	(Liter / Litre)	13,015	12,026	17,346	16,170	19,543	17,595	18,126	14,631	17,706	12,833
Cat lapis / Under-coats	(Liter / Litre)	3,964	3,972	4,801	5,139	4,546	4,353	1,717	2,402	2,960	3,497
Dakwat pencetak / Printing ink	(Tan / Tonne)	6	6	5	5	6	5	5	6	7	6
Methanol (methyl alcohol) / Methanol (methyl alcohol)	(Tan / Tonne)	1,254	973	1,032	1,106	1,186	951	1,266	1,688	1,610	1,399
Nitrogen dan oksigen / Nitrogen and oxygen	(Meter padu Cubic metre)	166,365	159,635	136,739	148,185	150,695	136,587	114,282	125,404	131,880	122,786
Pelekat perindustrian / Adhesive, industrial	(Liter / Litre)	37,967	41,141	39,620	37,407	40,810	43,856	40,012	41,576	38,803	42,251
Pelembut fabrik / Fabric softener	(Liter / Litre)	8,192	6,425	7,172	9,500	7,768	7,525	6,048	8,097	7,743	7,800
Sebatian P.V.C. / P.V.C. compound	(Tan / Tonne)	23	16	17	16	18	15	14	10	11	11
Racun serangga aerosol (cecair) / Aerosol insecticides (liquid)	(Liter / Litre)	1,636	1,426	1,562	1,459	1,214	1,323	1,457	1,170	1,214	1,088
Racun herba (cecair) / Herbicides (liquid)	(Liter / Litre)	26,824	24,039	21,330	25,070	26,521	26,804	18,872	19,535	25,032	20,322
Racun herba (bukan cecair) / Herbicides (non-liquid)	(Tan / Tonne)	23	25	22	21	15	18	15	10	9	7
Sabun mandi / Toilet soap	(Tan / Tonne)	4	3	4	5	4	4	4	3	5	4
Sabun serbuk (bahan pencuci) / Soap powder (detergents)	(Tan / Tonne)	25	21	28	22	19	19	20	20	20	23
(B) Perubahan Peratusan dari Suku Tahun yang Sama Tahun Sebelumnya Percentage Change from Corresponding Quarter of Preceding Year											
Baja (termasuk urea) / Fertilizers (includes urea)		44.1	50.3	22.6	16.0	-14.2	-18.6	-23.0	-30.2	-8.5	2.5
Cat asas / Primers		-12.7	-3.8	1.8	-3.1	-6.2	3.2	37.2	29.4	20.7	37.6
Cat emulsi / Emulsion paints		-15.8	-2.4	60.3	48.7	50.2	46.3	4.5	-9.5	-9.4	-27.1
Cat lapis / Under-coats		5.3	2.5	-5.6	-0.5	14.7	9.6	-64.2	-53.3	-34.9	-19.7
Dakwat pencetak / Printing ink		-0.3	-27.5	-38.8	-20.5	-7.1	-17.1	-2.6	10.8	17.2	34.7
Methanol (methyl alcohol) / Methanol (methyl alcohol)		42.1	28.3	1.7	4.1	-5.4	-2.3	22.7	52.6	35.7	47.1
Nitrogen dan oksigen / Nitrogen and oxygen		6.7	10.5	8.3	7.5	-9.4	-14.4	-16.4	-15.4	-12.5	-10.1
Pelekat perindustrian / Adhesive, industrial		-3.5	-3.3	1.3	6.9	7.5	6.6	1.0	11.1	-4.9	-3.7
Pelembut fabrik / Fabric softener		-3.0	-8.6	-5.4	-7.9	-5.2	17.1	-15.7	-14.8	-0.3	3.7
Sebatian P.V.C. / P.V.C. compound		-10.6	-7.6	-16.0	-37.2	-22.2	-6.6	-17.1	-37.3	-37.0	-24.9
Racun serangga aerosol (cecair) / Aerosol insecticides (liquid)		-10.8	-22.1	-7.9	-13.9	-25.8	-7.3	-6.7	-19.8	0.0	-17.7
Racun herba (cecair) / Herbicides (liquid)		43.3	32.3	43.8	50.5	-1.1	11.5	-11.5	-22.1	-5.6	-24.2
Racun herba (bukan cecair) / Herbicides (non-liquid)		70.4	48.2	35.2	8.8	-34.7	-29.2	-33.7	-51.9	-41.4	-59.0
Sabun mandi / Toilet soap		-25.3	-11.1	0.7	3.9	13.6	12.7	-3.9	-28.3	9.7	13.8
Sabun serbuk (bahan pencuci) / Soap powder (detergents)		11.1	0.2	-0.6	-24.1	-24.2	-10.6	-29.3	-12.8	4.2	22.3
(C) Perubahan Peratusan dari Suku Tahun Sebelumnya Percentage Change from Preceding Quarter											
Baja (termasuk urea) / Fertilizers (includes urea)		-5.9	-11.8	36.4	2.5	-30.4	-16.3	29.0	-7.1	-8.7	-6.3
Cat emulsi / Emulsion paints		19.7	-7.6	44.2	-6.8	-7.3	-20.9	67.7	5.2	-13.5	-9.9
Cat lapis / Under-coats		-23.3	0.2	20.9	7.0	20.9	-10.0	3.0	-19.3	21.0	-27.5
Cat asas / Primers		-4.2	-28.2	26.2	11.6	-11.5	-4.2	-60.6	39.9	23.2	18.1
Dakwat pencetak / Printing ink		-7.2	-8.1	-6.5	-0.4	8.5	-18.0	9.9	13.4	14.8	-5.8
Methanol (methyl alcohol) / Methanol (methyl alcohol)		18.1	-22.4	6.0	7.2	7.2	-19.8	33.1	33.3	-4.6	-13.1
Nitrogen dan oksigen / Nitrogen and oxygen		20.7	-4.0	-14.3	8.4	1.7	-9.4	-16.3	9.7	5.2	-6.9
Pelekat perindustrian / Adhesive, industrial		8.5	8.4	-3.7	-5.6	9.1	7.5	-8.8	3.9	-6.7	8.9
Pelembut fabrik / Fabric softener		-20.6	-21.6	11.6	32.5	-18.2	-3.1	-19.6	33.9	-4.4	0.7
Sebatian P.V.C. / P.V.C. compound		-14.0	-30.5	6.6	-1.3	6.5	-16.6	-5.4	-25.5	7.2	-0.7
Racun serangga aerosol (cecair) / Aerosol insecticides (liquid)		-3.5	-12.8	9.5	-6.6	-16.8	9.0	10.1	-19.7	3.8	-10.4
Racun herba (cecair) / Herbicides (liquid)		61.0	-10.4	-11.3	17.5	5.8	1.1	-29.6	3.5	28.1	-18.8
Racun herba (bukan cecair) / Herbicides (non-liquid)		21.9	7.5	-11.9	-5.7	-26.8	16.4	-17.5	-31.5	-10.9	-18.5
Sabun mandi / Toilet soap		-15.8	-13.1	26.7	12.0	-7.9	-13.8	8.1	-16.5	40.9	-10.6
Sabun serbuk (bahan pencuci) / Soap powder (detergents)		-14.0	-15.2	31.1	-20.6	-14.0	-0.1	3.7	-2.0	2.7	17.3

Sumber : Perangkaan Pembuatan Bulanan
Source : Monthly Manufacturing Statistics

Nilai Jualan Berkaitan Produk Petroleum - Tahunan
Sales Value of Related Petroleum Products - Annually

Keterangan <i>Description</i>		2018	2019	2020	2021	2022	2023
(A) Nilai (RM Juta) <i>Value (RM Million)</i>							
Jualan Produk Petroleum Bertapis¹ <i>Refined Petroleum Products¹</i>		141,655	149,476	128,477	175,557	249,901	229,861
Jualan Borong Bahan Api Pepejal, Cecair & Gas dan Produk Berkaitan² <i>Wholesale of Solid, Liquid & Gaseous Fuels and Related Products²</i>		133,478	141,677	123,448	136,381	148,199	152,706
Jualan Runcit di Kedai Khusus yang Menjual Bahan Api Kenderaan² <i>Retail Sale of Automotive Fuel in Specialised Stores²</i>		42,843	44,610	38,654	40,817	58,539	66,748
(B) Perubahan Peratusan Tahunan <i>Annual Percentage Change</i>							
Jualan Produk Petroleum Bertapis¹ <i>Refined Petroleum Products¹</i>		9.2	5.5	-14.0	36.6	42.3	-0.1
Jualan Borong Bahan Api Pepejal, Cecair & Gas dan Produk Berkaitan² <i>Wholesale of Solid, Liquid & Gaseous Fuels and Related Products²</i>		5.4	6.1	-12.9	10.5	8.7	3.0
Jualan Runcit di Kedai Khusus yang Menjual Bahan Api Kenderaan² <i>Retail Sale of Automotive Fuel in Specialised Stores²</i>		11.1	4.1	-13.4	5.6	43.4	14.0

Sumber / Source :

¹ Perangkaan Pembuatan Bulanan / Monthly Manufacturing Statistics

² Jabatan Perangkaan Malaysia (DOSM) / Department of Statistics, Malaysia (DOSM)

Nilai Jualan Berkaitan Produk Petroleum - Suku Tahunan
Sales Value of Related Petroleum Products - Quarterly

Keterangan <i>Description</i>	2022				2023				2024	
	I	II	III	IV	I	II	III	IV	I	II
(A) Nilai (RM Juta) <i>Value (RM Million)</i>										
Jualan Produk Petroleum Bertapis¹ <i>Refined Petroleum Products¹</i>	45,669	60,286	75,616	68,330	55,680	56,542	58,478	54,050	48,509	52,490
Jualan Borong Bahan Api Pepejal, Cecair & Gas dan Produk Berkaitan² <i>Wholesale of Solid, Liquid & Gaseous Fuels and Related Products²</i>	36,494	38,027	37,543	36,135	36,116	37,572	40,112	38,906	38,537	38,736
Jualan Runcit di Kedai Khusus yang Menjual Bahan Api Kenderaan² <i>Retail Sale of Automotive Fuel in Specialised Stores²</i>	11,544	15,044	15,724	16,227	16,500	16,718	16,759	16,772	16,961	17,721
(B) Perubahan Peratusan dari Suku Tahun yang Sama Tahun Sebelumnya <i>Percentage Change from Corresponding Quarter of Preceding Year</i>										
Jualan Produk Petroleum Bertapis¹ <i>Refined Petroleum Products¹</i>	36.3	36.3	57.2	37.4	21.9	-6.2	-22.7	-20.9	-12.9	-7.2
Jualan Borong Bahan Api Pepejal, Cecair & Gas dan Produk Berkaitan² <i>Wholesale of Solid, Liquid & Gaseous Fuels and Related Products²</i>	6.0	11.2	17.5	1.0	-1.0	-1.2	6.8	7.7	6.7	3.1
Jualan Runcit di Kedai Khusus yang Menjual Bahan Api Kenderaan² <i>Retail Sale of Automotive Fuel in Specialised Stores²</i>	14.7	62.5	56.4	41.8	42.9	11.1	6.6	3.4	2.8	6.0
(C) Perubahan Peratusan dari Suku Tahun Sebelumnya <i>Percentage Change from Preceding Quarter</i>										
Jualan Produk Petroleum Bertapis¹ <i>Refined Petroleum Products¹</i>	-8.2	32.0	25.4	-9.6	-18.5	1.5	3.4	-7.6	-10.3	8.2
Jualan Borong Bahan Api Pepejal, Cecair & Gas dan Produk Berkaitan² <i>Wholesale of Solid, Liquid & Gaseous Fuels and Related Products²</i>	2.0	4.2	-1.3	-3.8	-0.1	4.0	6.8	-3.0	-0.9	0.5
Jualan Runcit di Kedai Khusus yang Menjual Bahan Api Kenderaan² <i>Retail Sale of Automotive Fuel in Specialised Stores²</i>	0.9	30.3	4.5	3.2	1.7	1.3	0.2	0.1	1.1	4.5

Sumber / Source :

¹ Perangkaan Pembuatan Bulanan / Monthly Manufacturing Statistics

² Jabatan Perangkaan Malaysia (DOSM) / Department of Statistics, Malaysia (DOSM)

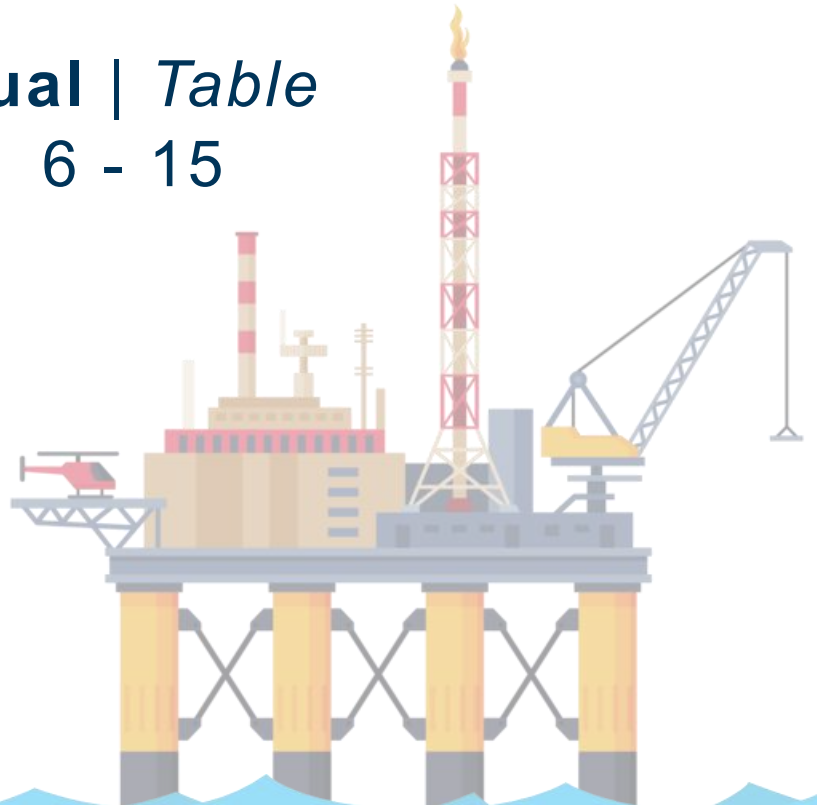
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6a **Nilai Eksport Petroleum Mentah & Kondensat, Keluaran Petroleum Bertapis dan Gas Asli Cecair - Tahunan**
Export Value of Crude Petroleum & Condensate, Refined Petroleum Products and Liquefied Natural Gas - Annually

Keterangan Description	2018	2019	2020	2021	2022	2023 [†]
(A) Nilai (RM Juta) <i>Value (RM Million)</i>						
Petroleum Mentah dan Kondensat <i>Crude Petroleum and Condensate</i>	38,183	29,118	19,744	20,054	35,225	31,932
Keluaran Petroleum Bertapis <i>Refined Petroleum Products</i>	65,649	61,803	53,729	86,160	149,836	133,870
Gas Asli Cecair <i>Liquefied Natural Gas</i>	42,322	42,484	29,868	38,193	68,002	60,231
(B) Perubahan Peratusan Tahunan <i>Annual Percentage Change</i>						
Petroleum Mentah dan Kondensat <i>Crude Petroleum and Condensate</i>	27.7	-23.7	-32.2	1.6	75.6	-9.3
Keluaran Petroleum Bertapis <i>Refined Petroleum Products</i>	15.3	-5.9	-13.1	60.4	73.9	-10.7
Gas Asli Cecair <i>Liquefied Natural Gas</i>	4.6	0.4	-29.7	27.9	78.1	-11.4

Sumber : Perangkaan Perdagangan Luar Negeri Bulanan
Source : Monthly External Trade Statistics

Nota / Notes :

[†] Muktamad / Final

6b Nilai Eksport Petroleum Mentah & Kondensat, Keluaran Petroleum Bertapis dan Gas Asli Cecair - Suku Tahunan
Export Value of Crude Petroleum & Condensate, Refined Petroleum Products and Liquefied Natural Gas - Quarterly

Keterangan Description	2022				2023 ^f				2024 ^p	
	I	II	III	IV	I	II	III	IV	I	II
(A) Nilai (RM Juta) Value (RM Million)										
Petroleum Mentah dan Kondensat Crude Petroleum and Condensate	7,517	9,695	10,142	7,872	8,311	6,466	7,820	9,334	9,149	7,501
Keluaran Petroleum Bertapis Refined Petroleum Products	20,580	36,300	53,465	39,492	33,861	35,284	30,980	33,745	33,613	29,610
Gas Asli Cecair Liquefied Natural Gas	13,257	15,574	19,079	20,092	18,288	12,732	12,630	16,580	18,509	12,993
(B) Perubahan Peratusan dari Suku Tahun yang Sama Tahun Sebelumnya Percentage Change from Corresponding Quarter of Preceding Year										
Petroleum Mentah dan Kondensat Crude Petroleum and Condensate	59.8	78.5	97.4	64.6	10.6	-33.3	-22.9	18.6	10.1	16.0
Keluaran Petroleum Bertapis Refined Petroleum Products	45.5	60.3	114.6	61.5	64.5	-2.8	-42.1	-14.6	-0.7	-16.1
Gas Asli Cecair Liquefied Natural Gas	62.8	83.2	97.5	69.0	38.0	-18.2	-33.8	-17.5	1.2	2.0
(C) Perubahan Peratusan dari Suku Tahun Sebelumnya Percentage Change from Preceding Quarter										
Petroleum Mentah dan Kondensat Crude Petroleum and Condensate	57.2	29.0	4.6	-22.4	5.6	-22.2	20.9	19.4	-2.0	-18.0
Keluaran Petroleum Bertapis Refined Petroleum Products	-15.9	76.4	47.3	-26.1	-14.3	4.2	-12.2	8.9	-0.4	-11.9
Gas Asli Cecair Liquefied Natural Gas	11.5	17.5	22.5	5.3	-9.0	-30.4	-0.8	31.3	11.6	-29.8

Sumber : Perangkaan Perdagangan Luar Negeri Bulanan
Source : Monthly External Trade Statistics

Nota / Notes :

^p Awalan / Preliminary

^f Muktamad / Final

Volum Eksport Petroleum Mentah & Kondensat, Keluaran Petroleum Bertapis dan Gas Asli Cecair - Tahunan
Exports Volume of Crude Petroleum & Condensate, Refined Petroleum Products and Liquefied Natural Gas - Annually

Keterangan Description		2018	2019	2020	2021	2022	2023 ^f
(A) Volum ('000 Tan Metrik) <i>Volume ('000 Metric Tonnes)</i>							
Petroleum Mentah dan Kondensat <i>Crude Petroleum and Condensate</i>		17,139	13,746	13,685	9,590	9,852	10,368
Keluaran Petroleum Bertapis <i>Refined Petroleum Products</i>		29,486	28,134	34,682	37,906	41,764	41,785
Gas Asli Cecair <i>Liquefied Natural Gas</i>		23,955	25,498	24,083	24,697	27,316	26,863
(B) Perubahan Peratusan Tahunan <i>Annual Percentage Change</i>							
Petroleum Mentah dan Kondensat <i>Crude Petroleum and Condensate</i>		3.5	-19.8	-0.4	-29.9	2.7	5.2
Keluaran Petroleum Bertapis <i>Refined Petroleum Products</i>		-	-4.6	23.3	9.3	10.2	0.05
Gas Asli Cecair <i>Liquefied Natural Gas</i>		-11.5	6.4	-5.5	2.5	10.6	-1.7

Sumber : Perangkaan Perdagangan Luar Negeri Bulanan
Source : Monthly External Trade Statistics

Nota / Notes :

^f Muktamad / Final

Volum Eksport Petroleum Mentah & Kondensat, Keluaran Petroleum Bertapis dan Gas Asli Cecair - Suku Tahunan

Exports Volume of Crude Petroleum & Condensate, Refined Petroleum Products and Liquefied Natural Gas - Quarterly

Keterangan Description	2022				2023 ^f				2024 ^p	
	I	II	III	IV	I	II	III	IV	I	II
(A) Volum ('000 Tan Metrik) Volume ('000 Metric Tonnes)										
Petroleum Mentah dan Kondensat Crude Petroleum and Condensate	2,533	2,583	2,536	2,200	2,703	2,213	2,690	2,761	3,042	2,272
Keluaran Petroleum Bertapis Refined Petroleum Products	6,499	9,613	14,255	11,397	10,622	11,762	9,470	9,930	10,291	8,834
Gas Asli Cecair Liquefied Natural Gas	6,888	6,717	6,746	6,965	7,418	6,000	6,081	7,365	8,021	6,014
(B) Perubahan Peratusan dari Suku Tahun yang Sama Tahun Sebelumnya Percentage Change from Corresponding Quarter of Preceding Year										
Petroleum Mentah dan Kondensat Crude Petroleum and Condensate	-11.1	-0.8	13.2	16.0	6.7	-14.3	6.1	25.5	12.5	2.7
Keluaran Petroleum Bertapis Refined Petroleum Products	-16.9	-8.2	32.7	28.5	63.5	22.4	-33.6	-12.9	-3.1	-24.9
Gas Asli Cecair Liquefied Natural Gas	2.7	9.6	19.0	12.4	7.7	-10.7	-9.9	5.7	8.1	0.2
(C) Perubahan Peratusan dari Suku Tahun Sebelumnya Percentage Change from Preceding Quarter										
Petroleum Mentah dan Kondensat Crude Petroleum and Condensate	33.6	2.0	-1.8	-13.2	22.9	-18.1	21.6	2.6	10.2	-25.3
Keluaran Petroleum Bertapis Refined Petroleum Products	-26.7	47.9	48.3	-20.1	-6.8	10.7	-19.5	4.9	3.6	-14.2
Gas Asli Cecair Liquefied Natural Gas	11.1	-2.5	0.4	3.3	6.5	-19.1	1.4	21.1	8.9	-25.0

Sumber : Perangkaan Perdagangan Luar Negeri Bulanan

Source : Monthly External Trade Statistics

Nota / Notes :

^p Awalan / Preliminary^f Muktamad / Final

8a Nilai Eksport Petroleum Mentah dan Kondensat mengikut Negara Destinasi - Tahunan
Export Value of Crude Petroleum and Condensate by Country of Destination - Annually

Keterangan Description	2018	2019	2020	2021	2022	2023 ^f
(A) Nilai (RM Juta) Value (RM Million)						
Australia	11,397	7,208	5,179	5,845	8,431	6,242
Bangladesh	-	-	-	-	253	493
Brunei Darussalam	14	15	334	1,901	4,818	3,860
China	704	224	1,033	390	241	597
Hong Kong	-	-	-	-	-	137
India	7,960	6,604	3,832	2,723	5,291	2,078
Indonesia	1,699	660	506	375	48	299
Italy	98	-	-	-	-	-
Japan	1,189	1,071	2,036	2,494	4,622	6,177
Korea, Republic Of	83	416	1,019	12	290	429
New Zealand	1,893	1,723	908	472	-	-
Nigeria	-	-	23	-	-	-
Papua New Guinea	187	-	38	68	-	253
Philippines	988	752	221	602	740	603
Saudi Arabia	-	103	-	-	-	-
Singapore	4,058	4,298	1,540	1,174	2,013	1,859
Taiwan, Province Of China	-	-	-	-	-	87
Thailand	6,105	5,810	3,055	3,998	7,919	8,588
United States	90	-	-	-	-	-
Viet Nam	184	233	20	-	558	231
Other countries	-	-	-	-	0	-
Jumlah / Total	36,649	29,118	19,744	20,054	35,225	31,932
(B) Peratusan Sumbangan Percentage Share						
Australia	31.1	24.8	26.2	29.1	23.9	19.5
Bangladesh	-	-	-	-	0.7	1.5
Brunei Darussalam	0.0	0.1	1.7	9.5	13.7	12.1
China	1.9	0.8	5.2	1.9	0.7	1.9
Hong Kong	-	-	-	-	-	0.4
India	21.7	22.7	19.4	13.6	15.0	6.5
Indonesia	4.6	2.3	2.6	1.9	0.1	0.9
Italy	0.3	-	-	-	-	-
Japan	3.2	3.7	10.3	12.4	13.1	19.3
Korea, Republic Of	0.2	1.4	5.2	0.1	0.8	1.3
New Zealand	5.2	5.9	4.6	2.4	-	-
Nigeria	-	-	0.1	-	-	-
Papua New Guinea	0.5	-	0.2	0.3	-	0.8
Philippines	2.7	2.6	1.1	3.0	2.1	1.9
Saudi Arabia	-	0.4	-	-	-	-
Singapore	11.1	14.8	7.8	5.9	5.7	5.8
Taiwan, Province Of China	-	-	-	-	-	0.3
Thailand	16.7	20.0	15.5	19.9	22.5	26.9
United States	0.2	-	-	-	-	-
Viet Nam	0.5	0.8	0.1	-	1.6	0.7
Other countries	-	-	-	-	0.0	-
Jumlah / Total	100.0	100.0	100.0	100.0	100.0	100.0

Sumber : Jabatan Perangkaan Malaysia (DOSM)
Source : Department of Statistics, Malaysia (DOSM)

Nota / Notes :

^f Muktamad / Final

8b Nilai Eksport Petroleum Mentah dan Kondensat mengikut Negara Destinasi - Suku Tahunan
Export Value of Crude Petroleum and Condensate by Country of Destination - Quarterly

Keterangan Description	2022				2023 ^f				2024 ^p	
	I	II	III	IV	I	II	III	IV	I	II
(A) Nilai (RM Juta) Value (RM Million)										
Australia	1,604	2,691	2,188	1,947	2,044	1,112	1,433	1,652	1,271	2,013
Bangladesh	-	-	253	-	135	199	24	136	75	-
Brunei Darussalam	632	1,107	1,992	1,088	768	598	969	1,525	868	955
China	-	146	-	95	255	122	-	220	281	125
Hong Kong	-	-	-	-	-	-	-	137	-	-
India	1,375	1,439	1,448	1,029	501	622	595	361	1,312	613
Indonesia	48	-	-	-	-	-	-	299	290	-
Italy	-	-	-	-	-	-	-	-	-	-
Japan	1,115	422	1,495	1,589	1,605	1,654	1,825	1,093	2,393	905
Korea, Republic Of	-	290	-	-	-	112	115	203	-	-
New Zealand	-	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	-	-
Papua New Guinea	-	-	-	-	-	-	-	253	-	-
Philippines	482	259	-	-	366	109	-	128	-	-
Saudi Arabia	-	-	-	-	-	-	-	-	-	-
Singapore	96	701	900	316	283	432	347	796	236	524
Taiwan, Province Of China	-	-	-	-	-	-	87	-	-	-
Thailand	2,004	2,364	1,791	1,761	2,338	1,507	2,293	2,450	2,422	2,231
United States	-	-	-	-	-	-	-	-	-	-
Viet Nam	160	276	76	46	17	-	132	83	-	136
Other countries	-	0	-	-	-	-	-	-	-	-
Jumlah / Total	7,517	9,695	10,142	7,872	8,311	6,466	7,820	9,334	9,149	7,501
(B) Peratusan Sumbangan Percentage Share										
Australia	21.3	27.8	21.6	24.7	24.6	17.2	18.3	17.7	13.9	26.8
Bangladesh	-	-	2.5	-	1.6	3.1	0.3	1.5	0.8	-
Brunei Darussalam	8.4	11.4	19.6	13.8	9.2	9.2	12.4	16.3	9.5	12.7
China	-	1.5	-	1.2	3.1	1.9	-	2.4	3.1	1.7
Hong Kong	-	-	-	-	-	-	-	1.5	-	-
India	18.3	14.8	14.3	13.1	6.0	9.6	7.6	3.9	14.3	8.2
Indonesia	0.6	-	-	-	-	-	-	3.2	3.2	-
Italy	-	-	-	-	-	-	-	-	-	-
Japan	14.8	4.4	14.7	20.2	19.3	25.6	23.3	11.7	26.2	12.1
Korea, Republic Of	-	3.0	-	-	-	1.7	1.5	2.2	-	-
New Zealand	-	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	-	-
Papua New Guinea	-	-	-	-	-	-	-	2.7	-	-
Philippines	6.4	2.7	-	-	4.4	1.7	-	1.4	-	-
Saudi Arabia	-	-	-	-	-	-	-	-	-	-
Singapore	1.3	7.2	8.9	4.0	3.4	6.7	4.4	8.5	2.6	7.0
Taiwan, Province Of China	-	-	-	-	-	-	1.1	-	-	-
Thailand	26.7	24.4	17.7	22.4	28.1	23.3	29.3	26.2	26.5	29.7
United States	-	-	-	-	-	-	-	-	-	-
Viet Nam	2.1	2.9	0.7	0.6	0.2	-	1.7	0.9	-	1.8
Other countries	-	0.0	-	-	-	-	-	-	-	-
Jumlah / Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

Sumber : Jabatan Perangkaan Malaysia (DOSM)
Source : Department of Statistics, Malaysia (DOSM)

Nota / Notes :

^p Awalan / Preliminary

^f Muktamad / Final

9a Nilai Eksport Keluaran Petroleum Bertapis mengikut Negara Destinasi -Tahunan
Export Value of Refined Petroleum Products by Country of Destination - Annually

Keterangan Description	2018	2019	2020	2021	2022	2023 ^f
(A) Nilai (RM Juta) Value (RM Million)						
American Samoa	40	53	5	71	271	88
Australia	4,414	4,599	3,936	8,886	15,065	21,521
Bangladesh	4,016	5,261	1,545	5,331	11,391	5,227
Cambodia	219	896	253	372	592	488
China	5,695	5,084	6,417	6,328	3,335	3,134
Ghana	0	0	167	968	687	161
India	707	1,415	1,652	970	1,052	475
Indonesia	4,887	4,740	4,941	13,259	24,787	18,939
Korea, Republic Of	2,494	725	1,265	2,186	4,037	7,850
Mexico	194	78	6	30	598	1,852
Myanmar	561	169	404	943	2,911	1,925
New Zealand	49	122	72	88	2,491	3,798
Netherlands	15	1,042	810	1,184	2,553	1,477
Nigeria	161	330	762	1,262	248	335
Philippines	1,404	1,829	1,602	2,510	3,705	5,298
Saudi Arabia	136	0	132	583	374	943
Singapore	19,022	16,844	18,082	19,679	33,302	29,271
South Africa	865	682	277	696	3,749	2,020
Taiwan, Province Of China	1,918	824	1,059	1,828	3,483	2,190
Viet Nam	8,750	6,103	3,684	5,290	5,754	7,478
Other countries	10,099	11,006	6,661	13,697	29,451	19,400
Jumlah / Total	65,649	61,803	53,729	86,160	149,836	133,870
(B) Peratusan Sumbangan Percentage Share						
American Samoa	0.1	0.1	0.0	0.1	0.2	0.1
Australia	6.7	7.4	7.3	10.3	10.1	16.1
Bangladesh	6.1	8.5	2.9	6.2	7.6	3.9
Cambodia	0.3	1.5	0.5	0.4	0.4	0.4
China	8.7	8.2	11.9	7.3	2.2	2.3
Ghana	0.0	0.0	0.3	1.1	0.5	0.1
India	1.1	2.3	3.1	1.1	0.7	0.4
Indonesia	7.4	7.7	9.2	15.4	16.5	14.1
Korea, Republic Of	3.8	1.2	2.4	2.5	2.7	5.9
Mexico	0.3	0.1	0.0	0.0	0.4	1.4
Myanmar	0.9	0.3	0.8	1.1	1.9	1.4
New Zealand	0.1	0.2	0.1	0.1	1.7	2.8
Netherlands	0.0	1.7	1.5	1.4	1.7	1.1
Nigeria	0.2	0.5	1.4	1.5	0.2	0.3
Philippines	2.1	3.0	3.0	2.9	2.5	4.0
Saudi Arabia	0.2	0.0	0.2	0.7	0.2	0.7
Singapore	29.0	27.3	33.7	22.8	22.2	21.9
South Africa	1.3	1.1	0.5	0.8	2.5	1.5
Taiwan, Province Of China	2.9	1.3	2.0	2.1	2.3	1.6
Viet Nam	13.3	9.9	6.9	6.1	3.8	5.6
Other countries	15.4	17.8	12.4	15.9	19.7	14.5
Jumlah / Total	100.0	100.0	100.0	100.0	100.0	100.0

Sumber : Jabatan Perangkaan Malaysia (DOSM)
Source : Department of Statistics, Malaysia (DOSM)

Nota / Notes :

^f Muktamad / Final

9b Nilai Eksport Keluaran Petroleum Bertapis mengikut Negara Destinasi - Suku Tahunan
Export Value of Refined Petroleum Products by Country of Destination - Quarterly

Keterangan Description	2022				2023 ^f				2024 ^p	
	I	II	III	IV	I	II	III	IV	I	II
(A) Nilai (RM Juta) Value (RM Million)										
American Samoa	2	49	49	170	35	25	9	18	19	227
Australia	1,778	4,043	4,169	5,075	4,572	7,400	5,212	4,336	5,036	4,421
Bangladesh	1,540	4,328	3,752	1,771	1,232	692	2,560	743	2,162	1,192
Cambodia	171	56	242	122	255	174	53	5	369	225
China	1,085	1,006	628	616	395	615	1,264	860	844	889
Ghana	0	110	565	11	157	0	2	2	2	390
India	57	408	192	395	109	225	52	88	71	239
Indonesia	3,959	5,905	9,539	5,384	4,578	5,071	4,218	5,072	6,278	4,006
Korea, Republic Of	981	1,063	1,357	637	898	3,410	1,748	1,794	631	467
Mexico	-	394	203	1	807	410	272	363	222	228
Myanmar	413	636	1,599	263	809	546	272	297	636	775
New Zealand	11	1,065	477	938	1,238	1,450	795	315	819	435
Netherlands	301	299	866	1,087	390	475	239	372	1	488
Nigeria	7	232	5	5	315	9	6	6	5	345
Philippines	500	1,022	1,367	816	645	1,224	1,807	1,623	1,101	2,513
Saudi Arabia	-	-	265	109	-	478	0	465	0	481
Singapore	5,144	6,670	11,749	9,739	8,670	7,018	5,742	7,841	7,444	7,154
South Africa	441	902	1,421	986	800	214	198	808	221	647
Taiwan, Province Of China	955	1,046	874	608	603	827	512	248	331	734
Viet Nam	1,342	1,007	1,249	2,157	1,555	1,677	1,629	2,617	3,357	2,008
Other countries	1,893	6,062	12,896	8,600	5,799	3,342	4,387	5,873	4,063	1,745
Jumlah / Total	20,580	36,300	53,465	39,492	33,861	35,284	30,980	33,745	33,613	29,610
(B) Peratusan Sumbangan Percentage Share										
American Samoa	0.0	0.1	0.1	0.4	0.1	0.1	0.0	0.1	0.1	0.8
Australia	8.6	11.1	7.8	12.9	13.5	21.0	16.8	12.8	15.0	14.9
Bangladesh	7.5	11.9	7.0	4.5	3.6	2.0	8.3	2.2	6.4	4.0
Cambodia	0.8	0.2	0.5	0.3	0.8	0.5	0.2	0.0	1.1	0.8
China	5.3	2.8	1.2	1.6	1.2	1.7	4.1	2.5	2.5	3.0
Ghana	0.0	0.3	1.1	0.0	0.5	0.0	0.0	0.0	0.0	1.3
India	0.3	1.1	0.4	1.0	0.3	0.6	0.2	0.3	0.2	0.8
Indonesia	19.2	16.3	17.8	13.6	13.5	14.4	13.6	15.0	18.7	13.5
Korea, Republic Of	4.8	2.9	2.5	1.6	2.7	9.7	5.6	5.3	1.9	1.6
Mexico	-	1.1	0.4	0.0	2.4	1.2	0.9	1.1	0.7	0.8
Myanmar	2.0	1.8	3.0	0.7	2.4	1.5	0.9	0.9	1.9	2.6
New Zealand	0.1	2.9	0.9	2.4	3.7	4.1	2.6	0.9	2.4	1.5
Netherlands	1.5	0.8	1.6	2.8	1.2	1.3	0.8	1.1	0.0	1.6
Nigeria	0.0	0.6	0.0	0.0	0.9	0.0	0.0	0.0	0.0	1.2
Philippines	2.4	2.8	2.6	2.1	1.9	3.5	5.8	4.8	3.3	8.5
Saudi Arabia	-	-	0.5	0.3	-	1.4	0.0	1.4	0.0	1.6
Singapore	25.0	18.4	22.0	24.7	25.6	19.9	18.5	23.2	22.1	24.2
South Africa	2.1	2.5	2.7	2.5	2.4	0.6	0.6	2.4	0.7	2.2
Taiwan, Province Of China	4.6	2.9	1.6	1.5	1.8	2.3	1.7	0.7	1.0	2.5
Viet Nam	6.5	2.8	2.3	5.5	4.6	4.8	5.3	7.8	10.0	6.8
Other countries	9.2	16.7	24.1	21.8	17.1	9.5	14.2	17.4	12.1	5.9
Jumlah / Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

Sumber : Jabatan Perangkaan Malaysia (DOSM)
Source : Department of Statistics, Malaysia (DOSM)

Nota / Notes :

^p Awalan / Preliminary

^f Muktamad / Final

Nilai Eksport Gas Asli Cecair (LNG) mengikut Negara Destinasi - Tahunan
Export Value of Liquefied Natural Gas (LNG) by Country of Destination - Annually

Keterangan <i>Description</i>	2018	2019	2020	2021	2022	2023[†]
(A) Nilai (RM Juta) <i>Value (RM Million)</i>						
Australia	-	-	-	11	10	13
Bangladesh	806	129	124	-	-	128
China	8,874	10,265	6,812	12,929	18,053	15,126
Croatia	-	-	-	1	-	-
India	335	365	-	90	488	-
Italy	-	-	-	7	-	33
Japan	20,781	16,804	14,070	16,413	30,566	25,830
Korea, Republic Of	5,780	7,767	6,207	6,150	12,480	13,838
Kuwait	-	-	-	-	-	135
Mozambique	-	-	-	4	-	6
Myanmar	-	-	252	303	32	-
Pakistan	119	89	37	-	-	-
Philippines	-	-	-	-	-	139
Qatar	-	2	-	5	-	-
Saudi Arabia	-	-	-	1	-	-
Singapore	-	-	-	101	697	132
Taiwan, Province Of China	5,627	4,869	932	529	1,214	1,266
Thailand	-	2,194	1,434	1,648	4,461	3,585
Trinidad and Tobago	-	-	-	-	1	-
United States	-	-	-	-	-	-
Other countries	0	-	0	1	-	-
Jumlah / Total	42,322	42,484	29,868	38,193	68,002	60,231
(B) Peratusan Sumbangan <i>Percentage Share</i>						
Australia	-	-	-	0.0	0.0	0.0
Bangladesh	1.9	0.3	0.4	-	-	0.2
China	21.0	24.2	22.8	33.9	26.5	25.9
Croatia	-	-	-	0.0	-	-
India	0.8	0.9	-	0.2	0.7	-
Italy	-	-	-	0.0	-	0.1
Japan	49.1	39.6	47.1	43.0	44.9	43.1
Korea, Republic Of	13.7	18.3	20.8	16.1	18.4	22.4
Kuwait	-	-	-	-	-	0.2
Mozambique	-	-	-	0.0	-	0.0
Myanmar	-	-	0.8	0.8	0.0	-
Pakistan	0.3	0.2	0.1	-	-	-
Philippines	-	-	-	-	-	0.2
Qatar	-	0.0	-	0.0	-	-
Saudi Arabia	-	-	-	0.0	-	-
Singapore	-	-	-	0.3	1.0	0.2
Taiwan, Province Of China	13.3	11.5	3.1	1.4	1.8	2.0
Thailand	-	5.2	4.8	4.3	6.6	5.7
Trinidad and Tobago	-	-	-	-	0.0	-
United States	-	-	-	-	-	-
Other countries	0.0	-	0.0	0.0	-	-
Jumlah / Total	100.0	100.0	100.0	100.0	100.0	100.0

Sumber : Jabatan Perangkaan Malaysia (DOSM)
Source : Department of Statistics, Malaysia (DOSM)

Nota / Notes :

[†] **Muktamad / Final**

Nilai Eksport Gas Asli Cecair (LNG) mengikut Negara Destinasi - Suku Tahunan
Export Value of Liquefied Natural Gas (LNG) by Country of Destination - Quarterly

Keterangan Description	2022				2023 ^f				2024 ^p	
	I	II	III	IV	I	II	III	IV	I	II
(A) Nilai (RM Juta) <i>Value (RM Million)</i>										
Australia	-	-	10	-	-	-	4	9	6	10
Bangladesh	-	-	-	-	-	128	-	-	-	-
China	3,702	3,743	5,546	5,062	4,309	3,107	3,439	4,271	4,666	4,262
Croatia	-	-	-	-	-	-	-	-	-	-
India	122	367	-	-	-	-	-	-	-	-
Italy	-	-	-	-	22	-	-	11	-	-
Japan	6,012	7,339	8,860	8,356	8,436	5,459	5,136	6,800	8,236	4,978
Korea, Republic Of	2,801	2,040	3,271	4,369	4,841	2,359	2,481	4,157	4,067	1,826
Kuwait	-	-	-	-	-	-	135	-	-	-
Mozambique	-	-	-	-	-	-	-	6	-	-
Myanmar	-	-	32	-	-	-	-	-	-	-
Pakistan	-	-	-	-	-	-	-	-	-	-
Philippines	-	-	-	-	-	-	-	139	-	-
Qatar	-	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	-	-	-	-	-	-
Singapore	-	374	-	323	-	132	-	-	9	0
Taiwan, Province Of China	-	254	354	606	135	277	496	358	448	419
Thailand	621	1,458	1,007	1,375	546	1,270	939	830	1,073	1,485
Trinidad and Tobago	-	-	-	1	-	-	-	-	-	-
United States	-	-	-	-	-	-	-	-	-	13
Other countries	-	-	-	-	-	-	-	-	5	-
Jumlah / Total	13,257	15,574	19,079	20,092	18,288	12,732	12,630	16,580	18,509	12,993
(B) Peratusan Sumbangan <i>Percentage Share</i>										
Australia	-	-	0.1	-	-	-	0.0	0.1	0.0	0.1
Bangladesh	-	-	-	-	-	1.0	-	-	-	-
China	27.9	24.0	29.1	25.2	23.6	24.4	27.2	25.8	25.2	32.8
Croatia	-	-	-	-	-	-	-	-	-	-
India	0.9	2.4	-	-	-	-	-	-	-	-
Italy	-	-	-	-	0.1	-	-	0.1	-	-
Japan	45.4	47.1	46.4	41.6	46.1	42.9	40.7	41.0	44.5	38.3
Korea, Republic Of	21.1	13.1	17.1	21.7	26.5	18.5	19.6	25.1	22.0	14.1
Kuwait	-	-	-	-	-	-	1.1	-	-	-
Mozambique	-	-	-	-	-	-	-	0.0	-	-
Myanmar	-	-	0.2	-	-	-	-	-	-	-
Pakistan	-	-	-	-	-	-	-	-	-	-
Philippines	-	-	-	-	-	-	-	0.8	-	-
Qatar	-	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	-	-	-	-	-	-
Singapore	-	2.4	-	1.6	-	1.0	-	-	0.0	0.0
Taiwan, Province Of China	-	1.6	1.9	3.0	0.7	2.2	3.9	2.2	2.4	3.2
Thailand	4.7	9.4	5.3	6.8	3.0	10.0	7.4	5.0	5.8	11.4
Trinidad and Tobago	-	-	-	0.0	-	-	-	-	-	-
United States	-	-	-	-	-	-	-	-	-	0.1
Other countries	-	-	-	-	-	-	-	-	0.0	-
Jumlah / Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

Sumber : Jabatan Perangkaan Malaysia (DOSM)

Source : Department of Statistics, Malaysia (DOSM)

Nota / Notes :

^p Awalan / Preliminary

^f Muktamad / Final

11a Nilai Import Petroleum Mentah & Kondensat, Keluaran Petroleum Bertapis dan Gas Asli Cecair - Tahunan
 Import Value of Crude Petroleum & Condensate, Refined Petroleum Products and Liquefied Natural Gas - Annually

Keterangan Description		2018	2019	2020	2021	2022	2023 ^f
(A) Nilai (RM Juta) Value (RM Million)							
Petroleum Mentah dan Kondensat Crude Petroleum and Condensate		23,085	26,818	19,340	14,408	53,783	61,686
Keluaran Petroleum Bertapis Refined Petroleum Products		81,482	72,526	56,240	82,911	136,762	130,253
Gas Asli Cecair Liquefied Natural Gas		2,734	5,480	4,904	1,462	9,591	6,995
(B) Perubahan Peratusan Tahunan Annual Percentage Change							
Petroleum Mentah dan Kondensat Crude Petroleum and Condensate		35.9	16.2	-27.9	-25.5	273.3	14.7
Keluaran Petroleum Bertapis Refined Petroleum Products		13.6	-11.0	-22.5	47.4	65.0	-4.8
Gas Asli Cecair Liquefied Natural Gas		5.2	100.5	-10.5	-70.2	555.9	-27.1

Sumber : Perangkaan Perdagangan Luar Negeri Bulanan
 Source : Monthly External Trade Statistics

Nota / Notes :
^f Muktamad / Final

11b Nilai Import Petroleum Mentah & Kondensat, Keluaran Petroleum Bertapis dan Gas Asli Cecair - Suku Tahunan

Import Value of Crude Petroleum & Condensate, Refined Petroleum Products and Liquefied Natural Gas - Quarterly

Keterangan		2022				2023 ^f				2024 ^p	
Description		I	II	III	IV	I	II	III	IV	I	II
(A)	Nilai (RM Juta) Value (RM Million)										
	Petroleum Mentah dan Kondensat Crude Petroleum and Condensate	8,983	11,118	17,769	15,913	15,717	15,355	12,469	18,145	15,653	18,600
	Keluaran Petroleum Bertapis Refined Petroleum Products	22,415	35,637	45,437	33,273	30,899	33,327	30,638	35,389	37,530	29,835
	Gas Asli Cecair Liquefied Natural Gas	1,280	1,929	3,680	2,702	1,892	1,832	1,571	1,701	2,758	2,163
(B)	Perubahan Peratusan dari Suku Tahun yang Sama Tahun Sebelumnya Percentage Change from Corresponding Quarter of Preceding Year										
	Petroleum Mentah dan Kondensat Crude Petroleum and Condensate	271.3	157.9	254.4	497.3	75.0	38.1	-29.8	14.0	-0.4	21.1
	Keluaran Petroleum Bertapis Refined Petroleum Products	36.8	57.3	127.9	39.0	37.9	-6.5	-32.6	6.4	21.5	-10.5
	Gas Asli Cecair Liquefied Natural Gas	131.5	292.2	1,498.0	1,343.4	47.8	-5.1	-57.3	-37.0	45.8	18.1
(C)	Perubahan Peratusan dari Suku Tahun Sebelumnya Percentage Change from Preceding Quarter										
	Petroleum Mentah dan Kondensat Crude Petroleum and Condensate	237.2	23.8	59.8	-10.4	-1.2	-2.3	-18.8	45.5	-13.7	18.8
	Keluaran Petroleum Bertapis Refined Petroleum Products	-6.3	59.0	27.5	-26.8	-7.1	7.9	-8.1	15.5	6.1	-20.5
	Gas Asli Cecair Liquefied Natural Gas	583.6	50.8	90.8	-26.6	-30.0	-3.2	-14.2	8.3	62.2	-21.6

Sumber : Perangkaan Perdagangan Luar Negeri Bulanan
Source : Monthly External Trade Statistics

Nota / Notes :

^p Awalan / Preliminary

^f Muktamad / Final

12a Volum Import Petroleum Mentah & Kondensat, Keluaran Petroleum Bertapis dan Gas Asli Cecair - Tahunan
Imports Volume of Crude Petroleum & Condensate, Refined Petroleum Products and Liquefied Natural Gas - Annually

Keterangan Description	2018	2019	2020	2021	2022	2023 ^f
(A) Volum ('000 Tan Metrik) Volume ('000 Metric Tonnes)						
Petroleum Mentah dan Kondensat Crude Petroleum and Condensate	10,476	13,429	12,405	6,540	15,681	21,066
Keluaran Petroleum Bertapis Refined Petroleum Products	34,939	31,267	37,239	35,504	35,936	38,417
Gas Asli Cecair Liquefied Natural Gas	1,211	2,466	2,637	852	2,901	2,165
(B) Perubahan Peratusan Tahunan Annual Percentage Change						
Petroleum Mentah dan Kondensat Crude Petroleum and Condensate	0.9	28.2	-7.6	-47.3	139.8	34.3
Keluaran Petroleum Bertapis Refined Petroleum Products	-4.1	-10.5	19.1	-4.7	1.2	6.9
Gas Asli Cecair Liquefied Natural Gas	-14.1	103.7	6.9	-67.7	240.4	-25.4

Sumber : Perangkaan Perdagangan Luar Negeri Bulanan
Source : Monthly External Trade Statistics

Nota / Notes :
^f Muktamad / Final

12b

Volum Import Petroleum Mentah & Kondensat, Keluaran Petroleum Bertapis dan Gas Asli Cecair - Suku Tahunan
Imports Volume of Crude Petroleum & Condensate, Refined Petroleum Products and Liquefied Natural Gas - Quarterly

Keterangan Description	2022				2023 ^f				2024 ^p	
	I	II	III	IV	I	II	III	IV	I	II
(A) Volum ('000 Tan Metrik) <i>Volume ('000 Metric Tonnes)</i>										
Petroleum Mentah dan Kondensat <i>Crude Petroleum and Condensate</i>	3,170	3,000	4,711	4,800	5,567	5,468	4,330	5,701	5,303	5,955
Keluaran Petroleum Bertapis <i>Refined Petroleum Products</i>	7,117	8,610	11,035	9,174	9,115	10,158	9,151	9,994	10,962	8,439
Gas Asli Cecair <i>Liquefied Natural Gas</i>	481	667	1,062	691	529	580	499	556	802	702
(B) Perubahan Peratusan dari Suku Tahun yang Sama Tahun Sebelumnya <i>Percentage Change from Corresponding Quarter of Preceding Year</i>										
Petroleum Mentah dan Kondensat <i>Crude Petroleum and Condensate</i>	132.2	45.6	125.9	366.5	75.6	82.3	-8.1	18.8	-4.7	8.9
Keluaran Petroleum Bertapis <i>Refined Petroleum Products</i>	-21.7	-13.4	35.8	9.9	28.1	18.0	-17.1	8.9	20.3	-16.9
Gas Asli Cecair <i>Liquefied Natural Gas</i>	32.1	122.9	874.4	763.6	10.1	-13.1	-53.0	-19.5	51.5	21.1
(C) Perubahan Peratusan dari Suku Tahun Sebelumnya <i>Percentage Change from Preceding Quarter</i>										
Petroleum Mentah dan Kondensat <i>Crude Petroleum and Condensate</i>	208.1	-5.4	57.0	1.9	16.0	-1.8	-20.8	31.7	-7.0	12.3
Keluaran Petroleum Bertapis <i>Refined Petroleum Products</i>	-14.8	21.0	28.2	-16.9	-0.6	11.4	-9.9	9.2	9.7	-23.0
Gas Asli Cecair <i>Liquefied Natural Gas</i>	501.1	38.7	59.2	-34.9	-23.4	9.5	-13.9	11.5	44.1	-12.4

Sumber : Perangkaan Perdagangan Luar Negeri Bulanan
Source : Monthly External Trade Statistics

Nota / Notes :

^p **Awalan** / Preliminary

^f **Muktamad** / Final

13a Nilai Import Petroleum Mentah dan Kondensat mengikut Negara Asal - Tahunan
Import Value of Crude Petroleum and Condensate by Country of Origin - Annually

Keterangan Description	2018	2019	2020	2021	2022	2023 ^f
(A) Nilai (RM Juta) Value (RM Million)						
Argentina	-	-	-	-	-	321
Australia	937	2,144	1,271	660	1,255	1,368
Brazil	135	69	543	735	724	852
Brunei Darussalam	714	41	0	308	355	675
Cameroon	-	-	-	-	-	868
Congo	86	546	-	255	944	387
Gabon	207	713	147	788	1,446	1,801
Indonesia	1,395	242	68	292	163	169
Kuwait	789	298	216	309	2,616	1,790
Libya	2,064	1,214	1	123	160	257
Nigeria	400	100	97	88	-	189
Oman	582	144	638	479	487	1,063
Qatar	716	454	-	328	1,513	865
Russian Federation	1,108	1,679	650	1,542	872	-
Saudi Arabia	7,047	9,300	8,187	2,995	28,272	33,010
Sudan	-	-	-	463	726	2,133
Thailand	-	153	490	228	1,492	877
United Arab Emirates	1,164	4,251	1,532	1,556	8,593	10,414
United States	953	221	1,639	-	622	2,828
Viet Nam	167	872	897	422	564	-
Other countries	4,623	4,377	2,964	2,837	2,979	1,820
Jumlah / Total	23,085	26,818	19,340	14,408	53,783	61,686
(B) Peratusan Sumbangan Percentage Share						
Argentina	-	-	-	-	-	0.5
Australia	4.1	8.0	6.6	4.6	2.3	2.2
Brazil	0.6	0.3	2.8	5.1	1.3	1.4
Brunei Darussalam	3.1	0.2	0.0	2.1	0.7	1.1
Cameroon	-	-	-	-	-	1.4
Congo	0.4	2.0	-	1.8	1.8	0.6
Gabon	0.9	2.7	0.8	5.5	2.7	2.9
Indonesia	6.0	0.9	0.4	2.0	0.3	0.3
Kuwait	3.4	1.1	1.1	2.1	4.9	2.9
Libya	8.9	4.5	0.0	0.9	0.3	0.4
Nigeria	1.7	0.4	0.5	0.6	-	0.3
Oman	2.5	0.5	3.3	3.3	0.9	1.7
Qatar	3.1	1.7	-	2.3	2.8	1.4
Russian Federation	4.8	6.3	3.4	10.7	1.6	-
Saudi Arabia	30.5	34.7	42.3	20.8	52.6	53.5
Sudan	-	-	-	3.2	1.3	3.5
Thailand	-	0.6	2.5	1.6	2.8	1.4
United Arab Emirates	5.0	15.8	7.9	10.8	16.0	16.9
United States	4.1	0.8	8.5	-	1.2	4.6
Viet Nam	0.7	3.3	4.6	2.9	1.0	-
Other countries	20.0	16.3	15.3	19.7	5.5	2.9
Jumlah / Total	100.0	100.0	100.0	100.0	100.0	100.0

Sumber : Jabatan Perangkaan Malaysia (DOSM)

Source : Department of Statistics, Malaysia (DOSM)

Nota / Notes :

^f Muktamad / Final

13b Nilai Import Petroleum Mentah dan Kondensat mengikut Negara Asal - Suku Tahunan

Import Value of Crude Petroleum and Condensate by Country of Origin - Quarterly

Keterangan Description	2022				2023 ^f				2024 ^p	
	I	II	III	IV	I	II	III	IV	I	II
(A) Nilai (RM Juta) Value (RM Million)										
Argentina	-	-	-	-	-	321	-	-	-	440
Australia	44	103	735	372	960	146	160	102	43	25
Brazil	132	214	172	206	202	216	110	323	490	549
Brunei Darussalam	292	3	46	15	26	255	385	8	1	164
Cameroon	-	-	-	-	-	396	-	473	655	746
Congo	493	-	450	-	-	387	-	-	279	423
Gabon	370	501	574	-	298	-	555	948	788	575
Indonesia	-	-	-	163	169	-	-	-	-	-
Kuwait	358	231	745	1,282	859	395	219	317	223	-
Libya	-	-	-	160	-	-	-	257	-	273
Nigeria	-	-	-	-	-	-	-	189	47	-
Oman	-	228	87	172	348	185	247	283	-	-
Qatar	559	694	260	-	-	406	-	459	664	702
Russian Federation	589	-	-	283	-	-	-	-	222	-
Saudi Arabia	3,003	5,399	10,075	9,796	8,547	8,481	6,718	9,264	7,122	7,530
Sudan	-	-	158	568	478	431	630	593	251	736
Thailand	349	475	443	224	101	470	165	141	376	476
United Arab Emirates	1,537	2,360	2,631	2,065	2,647	2,065	2,270	3,432	3,692	4,183
United States	-	0	622	-	813	316	742	956	665	1,736
Viet Nam	232	332	-	-	-	-	-	-	137	43
Other countries	1,024	577	771	607	269	884	268	398	-	-
Jumlah / Total	8,983	11,118	17,769	15,913	15,717	15,355	12,469	18,145	15,653	18,600
(B) Peratusan Sumbangan Percentage Share										
Argentina	-	-	-	-	-	2.1	-	-	-	2.4
Australia	0.5	0.9	4.1	2.3	6.1	1.0	1.3	0.6	0.3	0.1
Brazil	1.5	1.9	1.0	1.3	1.3	1.4	0.9	1.8	3.1	2.9
Brunei Darussalam	3.2	0.0	0.3	0.1	0.2	1.7	3.1	0.0	0.0	0.9
Cameroon	-	-	-	-	-	2.6	-	2.6	4.2	4.0
Congo	5.5	-	2.5	-	-	2.5	-	-	1.8	2.3
Gabon	4.1	4.5	3.2	-	1.9	-	4.5	5.2	5.0	3.1
Indonesia	-	-	-	1.0	1.1	-	-	-	-	-
Kuwait	4.0	2.1	4.2	8.1	5.5	2.6	1.8	1.7	1.4	-
Libya	-	-	-	1.0	-	-	-	1.4	-	1.5
Nigeria	-	-	-	-	-	-	-	1.0	0.3	-
Oman	-	2.0	0.5	1.1	2.2	1.2	2.0	1.6	-	-
Qatar	6.2	6.2	1.5	-	-	2.6	-	2.5	4.2	3.8
Russian Federation	6.6	-	-	1.8	-	-	-	-	1.4	-
Saudi Arabia	33.4	48.6	56.7	61.6	54.4	55.2	53.9	51.1	45.5	40.5
Sudan	-	-	0.9	3.6	3.0	2.8	5.1	3.3	1.6	4.0
Thailand	3.9	4.3	2.5	1.4	0.6	3.1	1.3	0.8	2.4	2.6
United Arab Emirates	17.1	21.2	14.8	13.0	16.8	13.4	18.2	18.9	23.6	22.5
United States	-	0.0	3.5	-	5.2	2.1	6.0	5.3	4.2	9.3
Viet Nam	2.6	3.0	-	-	-	-	-	-	0.9	0.2
Other countries	11.4	5.2	4.3	3.8	1.7	5.8	2.1	2.2	-	-
Jumlah / Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

Sumber : Jabatan Perangkaan Malaysia (DOSM)

Source : Department of Statistics, Malaysia (DOSM)

Nota / Notes :

^p Awalan / Preliminary

^f Muktamad / Final

14a Nilai Import Keluaran Petroleum Bertapis mengikut Negara Asal - Tahunan
Import Value of Refined Petroleum Products by Country of Origin - Annually

Keterangan Description	2018	2019	2020	2021	2022	2023 ^f
(A) Nilai (RM Juta) <i>Value (RM Million)</i>						
Australia	261	444	312	431	411	1,801
Brazil	197	500	829	758	276	308
Brunei Darussalam	14	138	558	1,226	1,905	882
China	7,148	9,993	7,442	12,137	17,656	19,197
Greece	0	0	16	98	395	1,265
India	9,705	5,296	4,982	6,182	7,572	6,567
Indonesia	1,178	1,601	2,201	2,591	4,395	3,540
Iraq	530	658	880	1,398	879	446
Japan	1,437	1,504	1,273	2,186	3,600	2,289
Korea, Republic Of	5,763	6,813	5,923	10,878	16,301	15,218
Oman	13	264	468	1,759	2,967	350
Russian Federation	1,339	691	843	720	4,677	7,440
Saudi Arabia	3,322	2,440	2,535	3,328	3,479	5,570
Singapore	37,210	28,278	16,487	24,948	49,163	42,559
Taiwan, Province Of China	1,703	2,109	924	4,546	8,047	6,273
Thailand	1,561	1,986	869	1,568	2,174	2,406
Turkiye	0	0	251	93	511	201
United Arab Emirates	4,291	5,405	4,454	3,989	6,132	7,933
United States	688	353	157	74	107	237
Viet Nam	189	106	198	673	54	76
Other countries	4,931	3,948	4,639	3,327	6,061	5,695
Jumlah / Total	81,482	72,526	56,240	82,911	136,762	130,253
(B) Peratusan Sumbangan <i>Percentage Share</i>						
Australia	0.3	0.6	0.6	0.5	0.3	1.4
Brazil	0.2	0.7	1.5	0.9	0.2	0.2
Brunei Darussalam	0.0	0.2	1.0	1.5	1.4	0.7
China	8.8	13.8	13.2	14.6	12.9	14.7
Greece	0.0	0.0	0.0	0.1	0.3	1.0
India	11.9	7.3	8.9	7.5	5.5	5.0
Indonesia	1.4	2.2	3.9	3.1	3.2	2.7
Iraq	0.7	0.9	1.6	1.7	0.6	0.3
Japan	1.8	2.1	2.3	2.6	2.6	1.8
Korea, Republic Of	7.1	9.4	10.5	13.1	11.9	11.7
Oman	0.0	0.4	0.8	2.1	2.2	0.3
Russian Federation	1.6	1.0	1.5	0.9	3.4	5.7
Saudi Arabia	4.1	3.4	4.5	4.0	2.5	4.3
Singapore	45.7	39.0	29.3	30.1	35.9	32.7
Taiwan, Province Of China	2.1	2.9	1.6	5.5	5.9	4.8
Thailand	1.9	2.7	1.5	1.9	1.6	1.8
Turkiye	0.0	0.0	0.4	0.1	0.4	0.2
United Arab Emirates	5.3	7.5	7.9	4.8	4.5	6.1
United States	0.8	0.5	0.3	0.1	0.1	0.2
Viet Nam	0.2	0.1	0.4	0.8	0.0	0.1
Other countries	6.1	5.4	8.2	4.0	4.4	4.4
Jumlah / Total	100.0	100.0	100.0	100.0	100.0	100.0

Sumber : Jabatan Perangkaan Malaysia (DOSM)

Source : Department of Statistics, Malaysia (DOSM)

Nota / Notes :

^f Muktamad / Final

14b

Nilai Import Keluaran Petroleum Bertapis mengikut Negara Asal - Suku Tahunan

Import Value of Refined Petroleum Products by Country of Origin - Quarterly

Keterangan Description		2022				2023 ^f				2024 ^p	
		I	II	III	IV	I	II	III	IV	I	II
(A)	Nilai (RM Juta) Value (RM Million)										
	Australia	45	30	277	58	73	408	693	625	346	393
	Brazil	36	-	33	207	48	44	133	83	1	275
	Brunei Darussalam	186	434	849	436	293	102	214	274	515	403
	China	2,799	3,936	4,790	6,130	7,333	3,726	4,273	3,865	4,391	3,163
	Greece	0	0	394	0	74	758	433	0	221	343
	India	2,238	1,761	2,683	889	635	2,498	1,652	1,782	3,940	1,185
	Indonesia	846	540	1,389	1,620	664	770	913	1,192	1,296	943
	Iraq	571	176	132	-	-	-	31	415	89	335
	Japan	619	584	1,362	1,035	1,139	1,057	17	76	910	707
	Korea, Republic Of	2,681	5,076	4,680	3,864	3,979	3,851	3,202	4,187	4,200	4,047
	Oman	552	1,073	978	365	91	-	10	250	292	311
	Russian Federation	304	1,396	1,823	1,154	943	2,389	1,060	3,048	1,770	1,393
	Saudi Arabia	667	688	1,357	767	1,194	1,487	1,298	1,591	1,245	1,409
	Singapore	7,200	13,254	16,599	12,110	10,168	10,309	10,854	11,227	11,060	11,199
	Taiwan, Province Of China	722	2,226	3,344	1,755	1,453	1,721	1,274	1,825	2,841	1,133
	Thailand	214	511	1,098	352	404	227	644	1,130	505	612
	Turkiye	0	0	0	510	0	101	0	99	362	158
	United Arab Emirates	1,221	1,521	1,982	1,408	1,187	2,612	2,464	1,669	1,951	1,071
	United States	15	20	36	36	21	63	26	127	235	134
	Viet Nam	14	14	16	10	17	21	17	21	148	175
	Other countries	1,484	2,396	1,615	566	1,183	1,181	1,430	1,902	1,211	446
	Jumlah / Total	22,415	35,637	45,437	33,273	30,899	33,327	30,638	35,389	37,530	29,835
(B)	Peratusan Sumbangan Percentage Share										
	Australia	0.2	0.1	0.6	0.2	0.2	1.2	2.3	1.8	0.9	1.3
	Brazil	0.2	-	0.1	0.6	0.2	0.1	0.4	0.2	0.0	0.9
	Brunei Darussalam	0.8	1.2	1.9	1.3	0.9	0.3	0.7	0.8	1.4	1.4
	China	12.5	11.0	10.5	18.4	23.7	11.2	13.9	10.9	11.7	10.6
	Greece	0.0	0.0	0.9	0.0	0.2	2.3	1.4	0.0	0.6	1.1
	India	10.0	4.9	5.9	2.7	2.1	7.5	5.4	5.0	10.5	4.0
	Indonesia	3.8	1.5	3.1	4.9	2.1	2.3	3.0	3.4	3.5	3.2
	Iraq	2.5	0.5	0.3	-	-	-	0.1	1.2	0.2	1.1
	Japan	2.8	1.6	3.0	3.1	3.7	3.2	0.1	0.2	2.4	2.4
	Korea, Republic Of	12.0	14.2	10.3	11.6	12.9	11.6	10.5	11.8	11.2	13.6
	Oman	2.5	3.0	2.2	1.1	0.3	-	0.0	0.7	0.8	1.0
	Russian Federation	1.4	3.9	4.0	3.5	3.1	7.2	3.5	8.6	4.7	4.7
	Saudi Arabia	3.0	1.9	3.0	2.3	3.9	4.5	4.2	4.5	3.3	4.7
	Singapore	32.1	37.2	36.5	36.4	32.9	30.9	35.4	31.7	29.5	37.5
	Taiwan, Province Of China	3.2	6.2	7.4	5.3	4.7	5.2	4.2	5.2	7.6	3.8
	Thailand	1.0	1.4	2.4	1.1	1.3	0.7	2.1	3.2	1.3	2.1
	Turkiye	0.0	0.0	0.0	1.5	0.0	0.3	0.0	0.3	1.0	0.5
	United Arab Emirates	5.4	4.3	4.4	4.2	3.8	7.8	8.0	4.7	5.2	3.6
	United States	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.4	0.6	0.5
	Viet Nam	0.1	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.4	0.6
	Other countries	6.6	6.7	3.6	1.7	3.8	3.5	4.7	5.4	3.2	1.5
	Jumlah / Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

Sumber : Jabatan Perangkaan Malaysia (DOSM)
Source : Department of Statistics, Malaysia (DOSM)

Nota / Notes :
^p Awalan / Preliminary
^f Muktamad / Final

15a Nilai Import Gas Asli Cecair (LNG) mengikut Negara Asal - Tahunan
Import Value of Liquefied Natural Gas (LNG) by Country of Origin - Annually

Keterangan Description	2018	2019	2020	2021	2022	2023 ^f
(A) Nilai (RM Juta) <i>Value (RM Million)</i>						
Australia	1,924	3,587	3,612	1,222	6,804	6,330
Brunei Darussalam	810	1,618	1,131	166	2,741	665
Equatorial Guinea	-	74	-	-	-	-
Indonesia	-	-	-	-	46	-
Mozambique	-	-	-	-	-	-
Nigeria	-	60	79	74	-	-
Singapore	0.002	-	82	-	-	-
United States	-	140	-	-	0.02	-
Jumlah / Total	2,734	5,480	4,904	1,462	9,591	6,995
(B) Peratusan Sumbangan <i>Percentage Share</i>						
Australia	70.4	65.5	73.7	83.6	70.9	90.5
Brunei Darussalam	29.6	29.5	23.1	11.3	28.6	9.5
Equatorial Guinea	-	1.4	-	-	-	-
Indonesia	-	-	-	-	0.5	-
Mozambique	-	-	-	-	-	-
Nigeria	-	1.1	1.6	5.1	-	-
Singapore	0.0	-	1.7	-	-	-
United States	-	2.6	-	-	0.0	-
Jumlah / Total	100.0	100.0	100.0	100.0	100.0	100.0

Sumber : Jabatan Perangkaan Malaysia (DOSM)

Source : Department of Statistics, Malaysia (DOSM)

Nota / Notes :

^f Muktamad / Final

Nilai Import Gas Asli Cecair (LNG) mengikut Negara Asal - Suku Tahunan
Import Value of Liquefied Natural Gas (LNG) by Country of Origin - Quarterly

Keterangan Description	2022				2023 ^f				2024 ^p	
	I	II	III	IV	I	II	III	IV	I	II
(A) Nilai (RM Juta) <i>Value (RM Million)</i>										
Australia	1,142	1,376	2,381	1,905	1,666	1,607	1,356	1,701	2,758	1,777
Brunei Darussalam	137	553	1,300	751	226	225	215	-	-	-
Equatorial Guinea	-	-	-	-	-	-	-	-	-	-
Indonesia	-	-	-	46	-	-	-	-	-	-
Mozambique	-	-	-	-	-	-	-	-	-	194
Nigeria	-	-	-	-	-	-	-	-	-	-
Singapore	-	-	-	-	-	-	-	-	-	-
United States	-	-	0	-	-	-	-	-	0	193
Jumlah / Total	1,280	1,929	3,680	2,702	1,892	1,832	1,571	1,701	2,758	2,163
(B) Peratusan Sumbangan <i>Percentage Share</i>										
Australia	89.3	71.3	64.7	70.5	88.1	87.7	86.3	100.0	100.0	82.1
Brunei Darussalam	10.7	28.7	35.3	27.8	11.9	12.3	13.7	-	-	-
Equatorial Guinea	-	-	-	-	-	-	-	-	-	-
Indonesia	-	-	-	1.7	-	-	-	-	-	-
Mozambique	-	-	-	-	-	-	-	-	-	9.0
Nigeria	-	-	-	-	-	-	-	-	-	-
Singapore	-	-	-	-	-	-	-	-	-	-
United States	-	-	0.0	-	-	-	-	-	0.0	8.9
Jumlah / Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

Sumber : Jabatan Perangkaan Malaysia (DOSM)

Source : Department of Statistics, Malaysia (DOSM)

Nota / Notes :

^p **Awalan / Preliminary**

^f **Muktamad / Final**

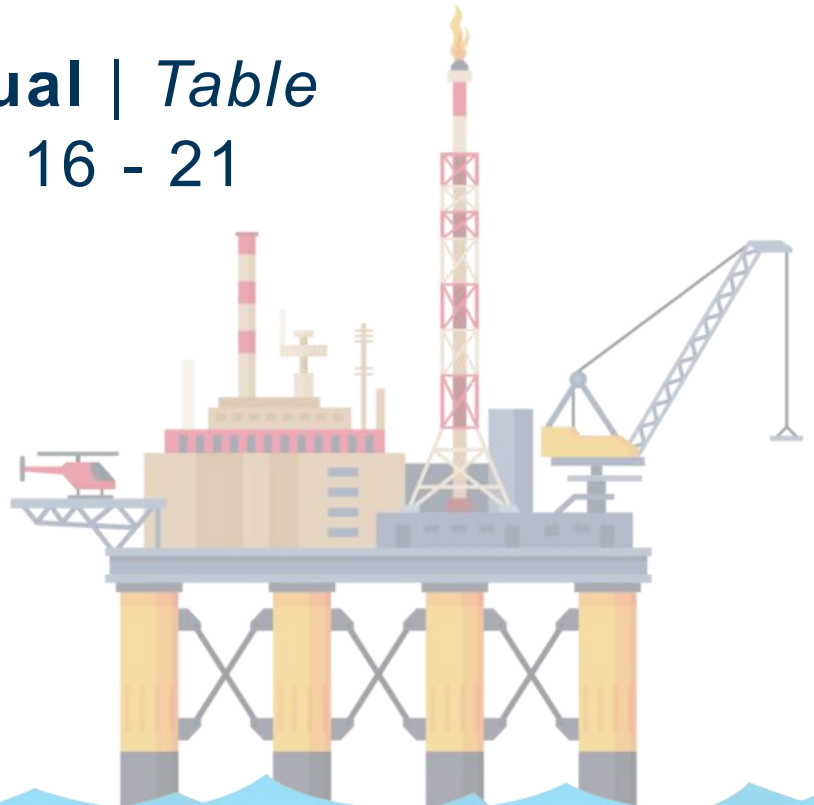
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16a KDNK mengikut Jenis Aktiviti Ekonomi pada Harga Semasa - Tahunan
GDP by Economic Activity at Current Prices - Annually

Keterangan Description	2018	2019	2020	2021	2022 ^e	2023 ^p
(A) Nilai (RM Juta) Value (RM Million)						
Pertanian / Agriculture	108,757	109,542	115,834	148,152	160,567	141,930
Perombongan dan Pengkuarian Mining and Quarrying	134,833	131,084	96,172	124,355	178,439	155,983
Minyak Mentah dan Kondensat Crude Oil and Condensate	70,800	64,285	39,011	55,325	79,162	65,615
Gas Asli / Natural Gas	54,290	56,035	47,923	59,834	88,511	78,914
Perombongan Lain & Pengkuarian dan Perkhidmatan Sokongan Other Mining & Quarrying and Supporting Services	9,743	10,764	9,237	9,195	10,766	11,454
Pembuatan / Manufacturing	311,676	323,862	315,360	361,826	418,538	419,584
Produk Petroleum Bertapis Refined Petroleum Products	45,228	47,481	42,119	54,749	69,103	63,169
Pembinaan / Construction	70,048	71,067	57,657	55,654	60,810	65,949
Perkhidmatan / Services	804,993	860,130	817,713	841,692	956,737	1,018,972
Tambah Duti Import / Plus Import Duties	17,453	17,053	15,755	17,023	18,812	20,487
KDNK pada Harga Pembeli / GDP at Purchasers' Prices	1,447,760	1,512,738	1,418,491	1,548,701	1,793,903	1,822,904
(B) Perubahan Peratusan Tahunan Annual Percentage Change						
Pertanian / Agriculture	-7.8	0.7	5.7	27.9	8.4	-11.6
Perombongan dan Pengkuarian Mining and Quarrying	11.1	-2.8	-26.6	29.3	43.5	-12.6
Minyak Mentah dan Kondensat Crude Oil and Condensate	21.5	-9.2	-39.3	41.8	43.1	-17.1
Gas Asli / Natural Gas	0.7	3.2	-14.5	24.9	47.9	-10.8
Perombongan Lain & Pengkuarian dan Perkhidmatan Sokongan Other Mining & Quarrying and Supporting Services	6.3	10.5	-14.2	-0.5	17.1	6.4
Pembuatan / Manufacturing	4.0	3.9	-2.6	14.7	15.7	0.2
Produk Petroleum Bertapis Refined Petroleum Products	13.7	5.0	-11.3	30.0	26.2	-8.6
Pembinaan / Construction	5.3	1.5	-18.9	-3.5	9.3	8.5
Perkhidmatan / Services	7.7	6.8	-4.9	2.9	13.7	6.5
Tambah Duti Import / Plus Import Duties	-9.5	-2.3	-7.6	8.0	10.5	8.9
KDNK pada Harga Pembeli / GDP at Purchasers' Prices	5.5	4.5	-6.2	9.2	15.8	1.6
(C) Peratusan Sumbangan kepada KDNK Percentage Share to GDP						
Pertanian / Agriculture	7.5	7.2	8.2	9.6	9.0	7.8
Perombongan dan Pengkuarian Mining and Quarrying	9.3	8.7	6.8	8.0	9.9	8.6
Minyak Mentah dan Kondensat Crude Oil and Condensate	4.9	4.2	2.8	3.6	4.4	3.6
Gas Asli / Natural Gas	3.7	3.7	3.4	3.9	4.9	4.3
Perombongan Lain & Pengkuarian dan Perkhidmatan Sokongan Other Mining & Quarrying and Supporting Services	0.7	0.7	0.7	0.6	0.6	0.6
Pembuatan / Manufacturing	21.5	21.4	22.2	23.4	23.3	23.0
Produk Petroleum Bertapis Refined Petroleum Products	3.1	3.1	3.0	3.5	3.9	3.5
Pembinaan / Construction	4.8	4.7	4.1	3.6	3.4	3.6
Perkhidmatan / Services	55.6	56.9	57.6	54.3	53.3	55.9
Tambah Duti Import / Plus Import Duties	1.2	1.1	1.1	1.1	1.0	1.1
KDNK pada Harga Pembeli / GDP at Purchasers' Prices	100.0	100.0	100.0	100.0	100.0	100.0

Sumber : Keluaran Dalam Negeri Kasar (KDNK) Suku Tahunan
Source : Quarterly Gross Domestic Product (GDP)

Nota / Notes :

^e Anggaran / Estimate

^p Awalan / Preliminary

Keterangan / Description	2022 ^a				2023 ^a				2024	
	I	II	III	IV	I	II	III	IV	I	II
(A) Nilai (RM Juta) / Value (RM Million)										
Pertanian / Agriculture	38,698	44,133	40,425	37,311	31,153	32,679	40,404	37,694	32,690	36,454
Perombongan dan Pengkuarian	42,941	47,473	44,716	43,309	42,277	38,913	35,638	39,154	44,969	42,472
<i>Mining and Quarrying</i>										
Minyak Mentah dan Kondensat	20,759	25,320	17,354	15,729	17,440	17,857	14,278	16,040	18,988	20,150
<i>Crude Oil and Condensate</i>										
Gas Asli / Natural Gas	19,573	19,998	24,720	24,220	21,881	18,749	18,612	19,672	22,728	19,708
Perombongan Lain & Pengkuarian dan Perkhidmatan Sokongan	2,609	2,154	2,642	3,360	2,956	2,307	2,749	3,442	3,253	2,615
<i>Other Mining & Quarrying and Supporting Services</i>										
Pembuatan / Manufacturing	97,528	101,880	108,175	110,954	103,832	101,332	105,701	108,719	104,656	106,611
Produk Petroleum Bertapis	15,300	15,710	19,713	18,379	16,655	14,731	16,077	15,706	14,729	13,747
<i>Refined Petroleum Products</i>										
Pembinaan / Construction	14,804	14,886	15,544	15,576	16,158	16,183	17,067	16,541	18,273	19,148
Perkhidmatan / Services	224,339	231,735	244,669	255,994	245,339	245,393	259,246	268,994	259,443	262,327
Tambah Duti Import / Plus Import Duties	4,144	4,905	4,728	5,036	4,573	5,184	5,107	5,623	4,939	5,435
KDNK pada Harga Pembeli / GDP at Purchasers' Prices	422,454	445,013	458,256	468,181	443,332	439,683	463,163	476,726	464,970	472,447
(B) Perubahan Peratusan dari Suku Tahun yang Sama Tahun Sebelumnya / Percentage Change from Corresponding Quarter of Preceding Year										
Pertanian / Agriculture	28.7	27.0	0.0	-13.1	-19.5	-26.0	-0.1	1.0	4.9	11.6
Perombongan dan Pengkuarian	44.0	47.3	56.1	28.7	-1.5	-18.0	-20.3	-9.6	6.4	9.1
<i>Mining and Quarrying</i>										
Minyak Mentah dan Kondensat	50.0	52.1	48.5	19.6	-16.0	-29.5	-17.7	2.0	8.9	12.8
<i>Crude Oil and Condensate</i>										
Gas Asli / Natural Gas	43.5	45.5	66.7	37.4	11.8	-6.2	-24.7	-18.8	3.9	5.1
Perombongan Lain & Pengkuarian dan Perkhidmatan Sokongan	11.4	17.3	23.8	16.6	13.3	7.1	4.0	2.4	10.0	13.4
<i>Other Mining & Quarrying and Supporting Services</i>										
Pembuatan / Manufacturing	14.4	17.5	21.5	10.0	6.5	-0.5	-2.3	-2.0	0.8	5.2
Produk Petroleum Bertapis	26.7	27.4	32.0	19.3	8.9	-6.2	-18.4	-14.5	-11.6	-6.7
<i>Refined Petroleum Products</i>										
Pembinaan / Construction	-1.8	7.5	20.2	12.9	9.1	8.7	9.8	6.2	13.1	18.3
Perkhidmatan / Services	8.4	14.5	20.1	11.9	9.4	5.9	6.0	5.1	5.7	6.9
Tambah Duti Import / Plus Import Duties	-0.4	6.8	27.2	10.6	10.4	5.7	8.0	11.7	8.0	4.9
KDNK pada Harga Pembeli / GDP at Purchasers' Prices	13.8	18.9	21.1	10.3	4.9	-1.2	1.1	1.8	4.9	7.5
(C) Perubahan Peratusan dari Suku Tahun Sebelumnya / Percentage Change from Preceding Quarter										
Pertanian / Agriculture	-9.8	14.0	-8.4	-7.7	-16.5	4.9	23.6	-6.7	-13.3	11.5
Perombongan dan Pengkuarian	27.6	10.6	-5.8	-3.1	-2.4	-8.0	-8.4	9.9	14.8	-5.6
<i>Mining and Quarrying</i>										
Minyak Mentah dan Kondensat	57.8	22.0	-31.5	-9.4	10.9	2.4	-20.0	12.3	18.4	6.1
<i>Crude Oil and Condensate</i>										
Gas Asli / Natural Gas	11.1	2.2	23.6	-2.0	-9.7	-14.3	-0.7	5.7	15.5	-13.3
Perombongan Lain & Pengkuarian dan Perkhidmatan Sokongan	-9.5	-17.4	22.7	27.2	-12.0	-22.0	19.2	25.2	-5.5	-19.6
<i>Other Mining & Quarrying and Supporting Services</i>										
Pembuatan / Manufacturing	-3.3	4.5	6.2	2.6	-6.4	-2.4	4.3	2.9	-3.7	1.9
Produk Petroleum Bertapis	-0.6	2.7	25.5	-6.8	-9.4	-11.6	9.1	-2.3	-6.2	-6.7
<i>Refined Petroleum Products</i>										
Pembinaan / Construction	7.3	0.6	4.4	0.2	3.7	0.2	5.5	-3.1	10.5	4.8
Perkhidmatan / Services	-1.9	3.3	5.6	4.6	-4.2	0.0	5.6	3.8	-3.6	1.1
Tambah Duti Import / Plus Import Duties	-9.0	18.4	-3.6	6.5	-9.2	13.4	-1.5	10.1	-12.2	10.0
KDNK pada Harga Pembeli / GDP at Purchasers' Prices	-0.5	5.3	3.0	2.2	-5.3	-0.8	5.3	2.9	-2.5	1.6
(D) Peratusan Sumbangan kepada KDNK / Percentage Share to GDP										
Pertanian / Agriculture	9.2	9.9	8.8	8.0	7.0	7.4	8.7	7.9	7.0	7.7
Perombongan dan Pengkuarian	10.2	10.7	9.8	9.3	9.5	8.9	7.7	8.2	9.7	9.0
<i>Mining and Quarrying</i>										
Minyak Mentah dan Kondensat	4.9	5.7	3.8	3.4	3.9	4.1	3.1	3.4	4.1	4.3
<i>Crude Oil and Condensate</i>										
Gas Asli / Natural Gas	4.6	4.5	5.4	5.2	4.9	4.3	4.0	4.1	4.9	4.2
Perombongan Lain & Pengkuarian dan Perkhidmatan Sokongan	0.6	0.5	0.6	0.7	0.7	0.5	0.6	0.7	0.7	0.6
<i>Other Mining & Quarrying and Supporting Services</i>										
Pembuatan / Manufacturing	23.1	22.9	23.6	23.7	23.4	23.0	22.8	22.8	22.5	22.6
Produk Petroleum Bertapis	3.6	3.5	4.3	3.9	3.8	3.4	3.5	3.3	3.2	2.9
<i>Refined Petroleum Products</i>										
Pembinaan / Construction	3.5	3.3	3.4	3.3	3.6	3.7	3.7	3.5	3.9	4.1
Perkhidmatan / Services	53.1	52.1	53.4	54.7	55.3	55.8	56.0	56.4	55.8	55.5
Tambah Duti Import / Plus Import Duties	1.0	1.1	1.0	1.1	1.0	1.2	1.1	1.2	1.1	1.2
KDNK pada Harga Pembeli / GDP at Purchasers' Prices	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

Nota / Notes :

^e Anggaran / Estimate^p Awalan / Preliminary

Sumber : Keluaran Dalam Negeri Kasar (KDNK) Suku Tahunan

Source : Quarterly Gross Domestic Product (GDP)

17a KDNK mengikut Jenis Aktiviti Ekonomi pada Harga Malar - Tahunan
GDP by Economic Activity at Constant Prices - Annually

Keterangan Description	2018	2019	2020	2021	2022 ^e	2023 ^p
(A) Nilai (RM Juta) Value (RM Million)						
Pertanian / Agriculture	99,637	101,573	99,109	98,843	100,082	100,812
Perlombongan dan Pengkuarian Mining and Quarrying	103,557	102,887	92,879	93,717	97,001	97,513
Minyak Mentah dan Kondensat Crude Oil and Condensate	45,430	42,460	38,430	36,410	36,283	36,155
Gas Asli / Natural Gas	49,322	50,643	45,896	49,166	51,748	52,063
Perlombongan Lain & Pengkuarian dan Perkhidmatan Sokongan Other Mining & Quarrying and Supporting Services	8,806	9,784	8,554	8,142	8,969	9,295
Pembuatan / Manufacturing	304,843	316,283	307,606	336,724	364,124	366,694
Produk Petroleum Bertapis Refined Petroleum Products	37,962	39,026	35,286	39,784	41,934	40,986
Pembinaan / Construction	66,194	66,453	53,616	50,839	53,426	56,659
Perkhidmatan / Services	772,990	820,576	777,693	795,116	882,723	927,904
Tambah Duti Import / Plus Import Duties	16,546	16,179	15,346	15,642	16,784	18,392
KDNK pada Harga Pembeli / GDP at Purchasers' Prices	1,363,766	1,423,952	1,346,249	1,390,882	1,514,139	1,567,974
(B) Perubahan Peratusan Tahunan Annual Percentage Change						
Pertanian / Agriculture	0.1	1.9	-2.4	-0.3	1.3	0.7
Perlombongan dan Pengkuarian Mining and Quarrying	-2.2	-0.6	-9.7	0.9	3.5	0.5
Minyak Mentah dan Kondensat Crude Oil and Condensate	-0.8	-6.5	-9.5	-5.3	-0.3	-0.4
Gas Asli / Natural Gas	-4.2	2.7	-9.4	7.1	5.3	0.6
Perlombongan Lain & Pengkuarian dan Perkhidmatan Sokongan Other Mining & Quarrying and Supporting Services	3.1	11.1	-12.6	-4.8	10.2	3.6
Pembuatan / Manufacturing	5.0	3.8	-2.7	9.5	8.1	0.7
Produk Petroleum Bertapis Refined Petroleum Products	3.3	2.8	-9.6	12.7	5.4	-2.3
Pembinaan / Construction	4.2	0.4	-19.3	-5.2	5.1	6.1
Perkhidmatan / Services	6.9	6.2	-5.2	2.2	11.0	5.1
Tambah Duti Import / Plus Import Duties	-8.5	-2.2	-5.2	1.9	7.3	9.6
KDNK pada Harga Pembeli / GDP at Purchasers' Prices	4.8	4.4	-5.5	3.3	8.9	3.6
(C) Peratusan Sumbangan kepada KDNK Percentage Share to GDP						
Pertanian / Agriculture	7.3	7.1	7.4	7.1	6.6	6.4
Perlombongan dan Pengkuarian Mining and Quarrying	7.6	7.2	6.9	6.7	6.4	6.2
Minyak Mentah dan Kondensat Crude Oil and Condensate	3.3	3.0	2.9	2.6	2.4	2.3
Gas Asli / Natural Gas	3.6	3.6	3.4	3.5	3.4	3.3
Perlombongan Lain & Pengkuarian dan Perkhidmatan Sokongan Other Mining & Quarrying and Supporting Services	0.6	0.7	0.6	0.6	0.6	0.6
Pembuatan / Manufacturing	22.4	22.2	22.8	24.2	24.0	23.4
Produk Petroleum Bertapis Refined Petroleum Products	2.8	2.7	2.6	2.9	2.8	2.6
Pembinaan / Construction	4.9	4.7	4.0	3.7	3.5	3.6
Perkhidmatan / Services	56.7	57.6	57.8	57.2	58.3	59.2
Tambah Duti Import / Plus Import Duties	1.2	1.1	1.1	1.1	1.1	1.2
KDNK pada Harga Pembeli / GDP at Purchasers' Prices	100.0	100.0	100.0	100.0	100.0	100.0

Sumber : Keluaran Dalam Negeri Kasar (KDNK) Suku Tahunan
Source : Quarterly Gross Domestic Product (GDP)

Nota / Notes :

^e Anggaran / Estimate

^p Awalan / Preliminary

Keterangan / Description	2022 ^a				2023 ^a				2024	
	I	II	III	IV	I	II	III	IV	I	II
(A) Nilai (RM Juta) / Value (RM Million)										
Pertanian / Agriculture	22,924	23,666	27,944	25,549	23,242	23,498	28,030	26,042	23,646	25,181
Perombongan dan Pengkuarian	24,377	23,667	23,421	25,535	24,755	23,173	23,162	26,422	26,172	23,808
<i>Mining and Quarrying</i>										
Minyak Mentah dan Kondensat	9,193	9,112	8,644	9,335	9,228	8,855	8,598	9,474	9,350	8,995
<i>Crude Oil and Condensate</i>										
Gas Asli / Natural Gas	12,996	12,761	12,513	13,478	13,187	12,458	12,229	14,189	14,367	12,818
Perombongan Lain & Pengkuarian	2,189	1,793	2,265	2,722	2,341	1,861	2,335	2,758	2,455	1,994
dan Perkhidmatan Sokongan										
<i>Other Mining & Quarrying and Supporting Services</i>										
Pembuatan / Manufacturing	87,174	89,038	92,399	95,512	89,990	89,152	92,291	95,261	91,727	93,369
Produk Petroleum Bertapis	9,672	9,884	11,514	10,864	10,278	9,656	10,546	10,507	10,323	10,033
<i>Refined Petroleum Products</i>										
Pembinaan / Construction	12,938	12,961	13,635	13,892	13,895	13,767	14,611	14,386	15,551	16,143
Perkhidmatan / Services	210,226	214,560	224,311	233,625	225,184	224,259	235,300	243,162	235,953	237,551
Tambah Duti Import / Plus Import Duties	3,813	4,224	4,169	4,579	4,308	4,522	4,523	5,040	4,459	4,644
KDNK pada Harga Pembeli / GDP at Purchasers' Prices	361,453	368,117	385,880	398,691	381,374	378,371	397,916	410,313	397,507	400,695
(B) Perubahan Peratusan dari Suku Tahun yang Sama Tahun Sebelumnya / Percentage Change from Corresponding Quarter of Preceding Year										
Pertanian / Agriculture	1.6	-1.6	2.3	2.5	1.4	-0.7	0.3	1.9	1.7	7.2
Perombongan dan Pengkuarian	-1.0	-1.7	10.4	7.3	1.6	-2.1	-1.1	3.5	5.7	2.7
<i>Mining and Quarrying</i>										
Minyak Mentah dan Kondensat	-6.0	-5.0	4.4	6.6	0.4	-2.8	-0.5	1.5	1.3	1.6
<i>Crude Oil and Condensate</i>										
Gas Asli / Natural Gas	2.0	-0.5	13.9	6.9	1.5	-2.4	-2.3	5.3	9.0	2.9
Perombongan Lain & Pengkuarian	3.8	8.0	16.9	11.8	6.9	3.8	3.1	1.3	4.9	7.2
dan Perkhidmatan Sokongan										
<i>Other Mining & Quarrying and Supporting Services</i>										
Pembuatan / Manufacturing	6.7	9.2	13.1	4.0	3.2	0.1	-0.1	-0.3	1.9	4.7
Produk Petroleum Bertapis	2.7	3.0	10.7	4.8	6.3	-2.3	-8.4	-3.3	0.4	3.9
<i>Refined Petroleum Products</i>										
Pembinaan / Construction	-6.0	2.6	15.3	10.2	7.4	6.2	7.2	3.6	11.9	17.3
Perkhidmatan / Services	6.5	11.9	16.8	9.2	7.1	4.5	4.9	4.1	4.8	5.9
Tambah Duti Import / Plus Import Duties	-3.2	0.1	27.2	8.8	13.0	7.1	8.5	10.1	3.5	2.7
KDNK pada Harga Pembeli / GDP at Purchasers' Prices	5.1	8.9	14.4	7.4	5.5	2.8	3.1	2.9	4.2	5.9
(C) Perubahan Peratusan dari Suku Tahun Sebelumnya / Percentage Change from Preceding Quarter										
Pertanian / Agriculture	-8.0	3.2	18.1	-8.6	-9.0	1.1	19.3	-7.1	-9.2	6.5
Perombongan dan Pengkuarian	2.4	-2.9	-1.0	9.0	-3.1	-6.4	0.0	14.1	-0.9	-9.0
<i>Mining and Quarrying</i>										
Minyak Mentah dan Kondensat	4.9	-0.9	-5.1	8.0	-1.2	-4.0	-2.9	10.2	-1.3	-3.8
<i>Crude Oil and Condensate</i>										
Gas Asli / Natural Gas	3.0	-1.8	-1.9	7.7	-2.2	-5.5	-1.8	16.0	1.3	-10.8
Perombongan Lain & Pengkuarian	-10.1	-18.1	26.3	20.2	-14.0	-20.5	25.5	18.1	-11.0	-18.8
dan Perkhidmatan Sokongan										
<i>Other Mining & Quarrying and Supporting Services</i>										
Pembuatan / Manufacturing	-5.1	2.1	3.8	3.4	-5.8	-0.9	3.5	3.2	-3.7	1.8
Produk Petroleum Bertapis	-6.7	2.2	16.5	-5.6	-5.4	-6.0	9.2	-0.4	-1.7	-2.8
<i>Refined Petroleum Products</i>										
Pembinaan / Construction	2.6	0.2	5.2	1.9	0.0	-0.9	6.1	-1.5	8.1	3.8
Perkhidmatan / Services	-1.8	2.1	4.5	4.2	-3.6	-0.4	4.9	3.3	-3.0	0.7
Tambah Duti Import / Plus Import Duties	-9.4	10.8	-1.3	9.8	-5.9	5.0	0.0	11.4	-11.5	4.2
KDNK pada Harga Pembeli / GDP at Purchasers' Prices	-2.7	1.8	4.8	3.3	-4.3	-0.8	5.2	3.1	-3.1	0.8
(D) Peratusan Sumbangan kepada KDNK / Percentage Share to GDP										
Pertanian / Agriculture	6.3	6.4	7.2	6.4	6.1	6.2	7.0	6.3	5.9	6.3
Perombongan dan Pengkuarian	6.7	6.4	6.1	6.4	6.5	6.1	5.8	6.4	6.6	5.9
<i>Mining and Quarrying</i>										
Minyak Mentah dan Kondensat	2.5	2.5	2.2	2.3	2.4	2.3	2.2	2.3	2.4	2.2
<i>Crude Oil and Condensate</i>										
Gas Asli / Natural Gas	3.6	3.5	3.2	3.4	3.5	3.3	3.1	3.5	3.6	3.2
Perombongan Lain & Pengkuarian	0.6	0.5	0.6	0.7	0.6	0.5	0.6	0.7	0.6	0.5
dan Perkhidmatan Sokongan										
<i>Other Mining & Quarrying and Supporting Services</i>										
Pembuatan / Manufacturing	24.1	24.2	23.9	24.0	23.6	23.6	23.2	23.2	23.1	23.3
Produk Petroleum Bertapis	2.7	2.7	3.0	2.7	2.7	2.6	2.7	2.6	2.6	2.5
<i>Refined Petroleum Products</i>										
Pembinaan / Construction	3.6	3.5	3.5	3.5	3.6	3.6	3.7	3.5	3.9	4.0
Perkhidmatan / Services	58.2	58.3	58.1	58.6	59.0	59.3	59.1	59.3	59.4	59.3
Tambah Duti Import / Plus Import Duties	1.1	1.1	1.1	1.1	1.1	1.2	1.1	1.2	1.1	1.2
KDNK pada Harga Pembeli / GDP at Purchasers' Prices	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

Nota / Notes :

^a Anggaran / Estimate^p Awalan / PreliminarySumber : Keluaran Dalam Negeri Kasar (KDNK) Suku Tahunan
Source : Quarterly Gross Domestic Product (GDP)

18a IPP dan Indeks Sektor (2015=100) - Tahunan
IPI and Sectors Indices (2015=100) - Annually

Keterangan Description		Wajaran Weights 2015	2018	2019	2020	2021	2022	2023
(A) Indeks Index								
IPP / IPI		100.0	112.2	114.9	110.2	118.3	126.5	127.4
Perlombongan / Mining		25.1	100.6	99.3	90.5	91.8	94.5	94.7
Pengekstrakan Minyak Petroleum Mentah dan Kondensat <i>Extraction of Crude Petroleum Oils and Condensates</i>		12.2	99.3	93.5	85.1	80.8	80.5	80.3
Pengeluaran Gas Hidrokarbon Mentah Bergas (Gas Asli) <i>Production of Crude Gaseous Hydrocarbon (Natural Gas)</i>		12.9	101.9	104.9	95.5	102.3	107.7	108.3
Pembuatan / Manufacturing		68.3	116.0	120.1	116.9	128.1	138.5	139.5
Produk Petroleum, Kimia, Getah dan Plastik <i>Petroleum, Chemical, Rubber and Plastic Products</i>		20.6	112.6	115.9	115.0	130.1	131.3	130.1
Pembuatan Kok dan Produk Petroleum Bertapis <i>Manufacture of Coke and Refined Petroleum Products</i>		9.4	110.2	113.2	101.2	112.9	120.0	118.1
Pembuatan Kimia dan Produk Kimia <i>Manufacture of Chemicals and Chemical Products</i>		6.4	115.5	117.5	109.2	119.5	124.4	129.7
Pembuatan Produk Farmaseutikal Asas, Kimia Perubatan dan Botani <i>Manufacture of Basic Pharmaceuticals, Medicinal Chemical and Botanical Products</i>		0.4	115.9	120.7	138.2	159.9	169.7	168.4
Pembuatan Produk Getah dan Plastik <i>Manufacture of Rubber and Plastics Products</i>		4.5	113.4	118.9	150.2	178.4	161.2	152.6
Elektrik / Electric		6.6	116.3	119.9	115.7	118.6	124.0	126.4
(B) Perubahan Peratusan Tahunan Annual Percentage Change								
IPP / IPI			3.2	2.4	-4.1	7.4	6.9	0.7
Perlombongan / Mining			-2.1	-1.3	-8.9	1.5	2.9	0.2
Pengekstrakan Minyak Petroleum Mentah dan Kondensat <i>Extraction of Crude Petroleum Oils and Condensates</i>			-0.2	-5.9	-8.9	-5.2	-0.3	-0.4
Pengeluaran Gas Hidrokarbon Mentah Bergas (Gas Asli) <i>Production of Crude Gaseous Hydrocarbon (Natural Gas)</i>			-3.7	3.0	-8.9	7.1	5.3	0.6
Pembuatan / Manufacturing			4.8	3.6	-2.7	9.5	8.2	0.7
Produk Petroleum, Kimia, Getah dan Plastik <i>Petroleum, Chemical, Rubber and Plastic Products</i>			4.6	4.9	-0.8	13.1	0.9	-0.9
Pembuatan Kok dan Produk Petroleum Bertapis <i>Manufacture of Coke and Refined Petroleum Products</i>			3.3	2.7	-10.6	11.6	6.3	-1.6
Pembuatan Kimia dan Produk Kimia <i>Manufacture of Chemicals and Chemical Products</i>			4.4	1.8	-7.1	9.4	4.1	4.2
Pembuatan Produk Farmaseutikal Asas, Kimia Perubatan dan Botani <i>Manufacture of Basic Pharmaceuticals, Medicinal Chemical and Botanical Products</i>			5.9	4.2	14.5	15.7	6.1	-0.7
Pembuatan Produk Getah dan Plastik <i>Manufacture of Rubber and Plastics Products</i>			4.6	4.9	26.3	18.8	-9.6	-5.3
Elektrik / Electric			4.8	3.1	-3.5	2.5	4.5	2.0

Sumber : Indeks Pengeluaran Perindustrian (2015=100)
Source : Index of Industrial Production (2015=100)

Keterangan Description		Wajaran Weights 2015	2022				2023				2024	
			I	II	III	IV	I	II	III	IV	I	II
(A)	Indeks Index											
	IPP / IPI	100.0	122.9	123.6	128.8	130.6	126.2	123.2	128.4	131.7	130.3	128.7
	Perlombongan / Mining	25.1	95.7	92.6	92.1	97.6	96.7	90.1	90.7	101.1	102.4	92.3
	Pengekstrakan Minyak Petroleum Mentah dan Kondensat / Extraction of Crude Petroleum Oils and Condensates	12.2	81.2	79.6	78.4	83.0	81.6	77.2	78.1	84.2	82.7	78.5
	Pengeluaran Gas Hidrokarbon Mentah Bergas (Gas Asli) / Production of Crude Gaseous Hydrocarbon (Natural Gas)	12.9	109.4	105.0	104.9	111.3	111.0	102.4	102.6	117.2	121.0	105.4
	Pembuatan / Manufacturing	68.3	133.2	134.8	142.5	143.5	137.7	134.9	142.3	143.2	140.6	141.5
	Produk Petroleum, Kimia, Getah dan Plastik Petroleum, Chemical, Rubber and Plastic Products	20.6	130.2	126.6	136.9	131.5	132.9	124.3	132.9	130.3	134.8	129.7
	Pembuatan Kok dan Produk Petroleum Bertapis Manufacture of Coke and Refined Petroleum Products	9.4	118.6	110.7	128.4	122.3	128.0	108.7	117.5	118.1	128.5	113.2
	Pembuatan Kimia dan Produk Kimia Manufacture of Chemicals and Chemical Products	6.4	125.7	120.1	124.6	127.2	129.2	125.9	133.3	130.4	128.7	130.0
	Pembuatan Produk Farmaseutikal Asas, Kimia Perubatan dan Botani / Manufacture of Basic Pharmaceuticals, Medicinal Chemical and Botanical Products	0.4	156.2	162.7	185.6	174.3	165.3	163.1	176.1	169.2	174.2	174.4
	Pembuatan Produk Getah dan Plastik Manufacture of Rubber and Plastics Products	4.5	158.3	166.0	167.8	152.9	145.9	151.4	160.9	152.3	153.1	160.0
	Elektrik / Electric	6.6	119.4	124.7	125.6	121.8	119.7	128.2	128.9	128.7	130.6	135.0
(B)	Perubahan Peratusan dari Suku Tahun yang Sama Tahun Sebelumnya Percentage Change from Corresponding Quarter of Preceding Year											
	IPP / IPI		4.5	6.7	12.5	4.2	2.7	-0.3	-0.3	0.8	3.3	4.5
	Perlombongan / Mining		-1.5	-2.4	9.9	6.7	1.0	-2.7	-1.5	3.7	5.9	2.4
	Pengekstrakan Minyak Petroleum Mentah dan Kondensat / Extraction of Crude Petroleum Oils and Condensates		-6.1	-5.0	4.7	6.6	0.5	-3.0	-0.5	1.5	1.4	1.7
	Pengeluaran Gas Hidrokarbon Mentah Bergas (Gas Asli) / Production of Crude Gaseous Hydrocarbon (Natural Gas)		2.0	-0.4	13.9	6.8	1.4	-2.5	-2.3	5.2	9.1	3.0
	Pembuatan / Manufacturing		6.3	9.3	13.4	4.0	3.4	0.1	-0.1	-0.2	2.1	4.9
	Produk Petroleum, Kimia, Getah dan Plastik Petroleum, Chemical, Rubber and Plastic Products		-0.7	-0.8	4.2	0.9	2.1	-1.8	-2.9	-0.9	1.4	4.3
	Pembuatan Kok dan Produk Petroleum Bertapis Manufacture of Coke and Refined Petroleum Products		4.3	4.5	11.1	5.1	7.9	-1.8	-8.5	-3.5	0.4	4.2
	Pembuatan Kimia dan Produk Kimia Manufacture of Chemicals and Chemical Products		4.2	6.5	4.3	1.7	2.8	4.8	7.0	2.5	-0.3	3.2
	Pembuatan Produk Farmaseutikal Asas, Kimia Perubatan dan Botani / Manufacture of Basic Pharmaceuticals, Medicinal Chemical and Botanical Products		9.9	4.9	7.0	3.0	5.8	0.2	-5.1	-2.9	5.4	6.9
	Pembuatan Produk Getah dan Plastik Manufacture of Rubber and Plastics Products		-12.5	-13.5	-5.4	-6.5	-7.8	-8.8	-4.1	-0.4	4.9	5.7
	Elektrik / Electric		2.7	6.6	9.8	-0.6	-0.4	2.1	1.5	4.6	9.1	5.3
(C)	Perubahan Peratusan dari Suku Tahun Sebelumnya Percentage Change from Preceding Quarter											
	IPP / IPI		-1.9	0.5	4.2	1.4	-3.4	-2.4	4.2	2.5	-1.0	-1.2
	Perlombongan / Mining		4.7	-3.2	-0.6	6.0	-0.9	-6.8	0.6	11.6	1.3	-9.9
	Pengekstrakan Minyak Petroleum Mentah dan Kondensat / Extraction of Crude Petroleum Oils and Condensates		4.3	-1.9	-1.4	5.8	-1.7	-5.4	1.1	7.9	-1.8	-5.2
	Pengeluaran Gas Hidrokarbon Mentah Bergas (Gas Asli) / Production of Crude Gaseous Hydrocarbon (Natural Gas)		4.9	-4.1	0.0	6.1	-0.3	-7.7	0.2	14.2	3.3	-12.9
	Pembuatan / Manufacturing		-3.4	1.2	5.7	0.7	-4.0	-2.1	5.5	0.6	-1.8	0.6
	Produk Petroleum, Kimia, Getah dan Plastik Petroleum, Chemical, Rubber and Plastic Products		-0.1	-2.7	8.1	-3.9	1.1	-6.5	6.9	-2.0	3.4	-3.7
	Pembuatan Kok dan Produk Petroleum Bertapis Manufacture of Coke and Refined Petroleum Products		2.0	-6.7	16.0	-4.7	4.6	-15.1	8.2	0.5	8.8	-11.9
	Pembuatan Kimia dan Produk Kimia Manufacture of Chemicals and Chemical Products		0.5	-4.4	3.7	2.1	1.6	-2.5	5.8	-2.2	-1.3	1.0
	Pembuatan Produk Farmaseutikal Asas, Kimia Perubatan dan Botani / Manufacture of Basic Pharmaceuticals, Medicinal Chemical and Botanical Products		-7.6	4.1	14.1	-6.1	-5.1	-1.4	8.0	-3.9	3.0	0.1
	Pembuatan Produk Getah dan Plastik Manufacture of Rubber and Plastics Products		-3.2	4.8	1.1	-8.8	-4.6	3.7	6.3	-5.3	0.5	4.5
	Elektrik / Electric		-3.6	4.5	0.7	-3.1	-1.7	7.1	0.5	-0.1	1.4	3.4

Sumber : Indeks Pengeluaran Perindustrian (2015=100)
Source : Index of Industrial Production (2015=100)

19a IHPR (2010=100) Pengeluaran Tempatan, Pengekstrakan Petroleum Mentah & Gas Asli dan Pembuatan Kok & Produk Petroleum Bertapis - Tahunan
PPI (2010=100) Local Production, Extraction of Crude Petroleum & Natural Gas and Manufacture of Coke & Refined Petroleum Products - Annually

Keterangan Description	Wajaran Weights 2015	2018	2019	2020	2021	2022	2023
(A) Indeks Index							
IHPR / PPI	100.000	106.7	105.2	102.4	112.1	120.8	118.5
Perlombongan / Mining	7.927	106.8	102.9	65.5	92.5	104.2	98.1
Pengekstrakan Petroleum Mentah Extraction of Crude Petroleum	5.782	116.6	110.8	66.9	98.8	105.1	94.5
Pengekstrakan Gas Asli Extraction of Natural Gas	2.145	75.4	78.2	63.6	73.7	105.9	116.4
Pembuatan / Manufacturing	81.571	107.0	106.0	105.6	111.4	120.8	120.5
Pembuatan Produk Petroleum Bertapis Manufacture of Refined Petroleum Products	10.038	124.6	126.4	117.7	133.4	160.6	151.9
(B) Perubahan Peratusan Tahunan Annual Percentage Change							
IHPR / PPI		-1.1	-1.4	-2.7	9.5	7.8	-1.9
Perlombongan / Mining		17.5	-3.7	-36.3	41.2	12.6	-5.9
Pengekstrakan Petroleum Mentah Extraction of Crude Petroleum		20.8	-5.0	-39.6	47.7	6.4	-10.1
Pengekstrakan Gas Asli Extraction of Natural Gas		4.1	3.7	-18.7	15.9	43.7	9.9
Pembuatan / Manufacturing		-1.8	-0.9	-0.4	5.5	8.4	-0.2
Pembuatan Produk Petroleum Bertapis Manufacture of Refined Petroleum Products		10.7	1.4	-6.9	13.3	20.4	-5.4

Sumber : Indeks Harga Pengeluar Pengeluaran Tempatan (2010 = 100)
Source : Producer Price Index Local Production (2010 = 100)

IHPR (2010=100) Pengeluaran Tempatan, Pengekstrakan Petroleum Mentah & Gas Asli dan Pembuatan Kok & Produk Petroleum Bertapis - Suku Tahunan
PPI (2010=100) Local Production, Extraction of Crude Petroleum & Natural Gas and Manufacture of Coke & Refined Petroleum Products - Quarterly

Keterangan Description		Wajaran Weights 2015	2022				2023				2024	
			I	II	III	IV	I	II	III	IV	I	II
(A)	Indeks Index											
	IHPR / PPI	100.000	119.6	123.6	120.4	119.6	118.6	118.5	118.7	118.4	119.1	120.4
	Perlombongan / Mining	7.927	104.3	106.4	103.2	102.7	97.2	94.9	100.3	100.1	101.1	101.6
	Pengekstrakan Petroleum Mentah Extraction of Crude Petroleum	5.782	109.5	110.2	102.9	97.6	91.2	90.2	97.9	98.5	97.2	97.5
	Pengekstrakan Gas Asli Extraction of Natural Gas	2.145	90.4	97.8	109.2	126.5	124.0	116.8	114.2	110.8	120.6	121.7
	Pembuatan / Manufacturing	81.571	117.3	121.7	122.4	121.7	120.7	120.5	120.3	120.3	120.3	121.7
	Pembuatan Produk Petroleum Bertapis Manufacture of Refined Petroleum Products	10.038	150.0	160.0	166.3	166.1	158.5	152.7	148.4	148.0	141.8	137.3
(B)	Perubahan Peratusan dari Suku Tahun yang Sama Tahun Sebelumnya Percentage Change from Corresponding Quarter of Preceding Year											
	IHPR / PPI		10.2	11.1	6.5	3.5	-0.8	-4.1	-1.4	-1.0	0.4	1.6
	Perlombongan / Mining		28.3	18.8	4.9	1.8	-6.8	-10.8	-2.8	-2.5	4.0	7.1
	Pengekstrakan Petroleum Mentah Extraction of Crude Petroleum		26.0	14.1	-1.8	-8.7	-16.7	-18.1	-4.9	0.9	6.6	8.1
	Pengekstrakan Gas Asli Extraction of Natural Gas		41.0	43.6	37.9	51.9	37.2	19.4	4.6	-12.4	-2.7	4.2
	Pembuatan / Manufacturing		8.0	10.0	9.1	6.6	2.9	-1.0	-1.7	-1.2	-0.3	1.0
	Pembuatan Produk Petroleum Bertapis Manufacture of Refined Petroleum Products		20.7	22.9	21.5	16.8	5.7	-4.6	-10.8	-10.9	-10.5	-10.1
(C)	Perubahan Peratusan dari Suku Tahun Sebelumnya Percentage Change from Preceding Quarter											
	IHPR / PPI		3.5	3.3	-2.6	-0.7	-0.8	-0.1	0.2	-0.3	0.6	1.1
	Perlombongan / Mining		3.4	2.0	-3.0	-0.5	-5.4	-2.4	5.7	-0.2	1.0	0.5
	Pengekstrakan Petroleum Mentah Extraction of Crude Petroleum		2.5	0.6	-6.6	-5.2	-6.6	-1.1	8.5	0.6	-1.3	0.3
	Pengekstrakan Gas Asli Extraction of Natural Gas		8.5	8.2	11.7	15.8	-2.0	-5.8	-2.2	-3.0	8.8	0.9
	Pembuatan / Manufacturing		2.7	3.8	0.6	-0.6	-0.8	-0.2	-0.2	0.0	0.0	1.2
	Pembuatan Produk Petroleum Bertapis Manufacture of Refined Petroleum Products		5.5	6.7	3.9	-0.1	-4.6	-3.7	-2.8	-0.3	-4.2	-3.2

Sumber : Indeks Harga Pengeluar Pengeluaran Tempatan (2010 = 100)

Source : Producer Price Index Local Production (2010 = 100)

20a Statistik Guna Tenaga Sektor Perlombongan dan Pengkuarian mengikut Kemahiran - Tahunan
Employment Statistics of Mining and Quarrying Sector by Skill - Annually

Keterangan Description	2018	2019	2020	2021	2022	2023 ^P
(A) Bilangan ('000 orang) <i>Total ('000 persons)</i>						
Mahir <i>Skilled</i>	24.6	24.7	24.2	23.5	23.2	23.4
Separuh Mahir <i>Semi-skilled</i>	47.1	47.3	45.3	44.6	46.1	47.0
Berkemahiran Rendah <i>Low-skilled</i>	10.1	10.3	9.4	9.4	9.7	9.6
Jumlah <i>Total</i>	81.7	82.2	78.9	77.4	79.1	80.1
(B) Peratusan Sumbangan <i>Percentage Share</i>						
Mahir <i>Skilled</i>	30.1	30.0	30.7	30.3	29.4	29.3
Separuh Mahir <i>Semi-skilled</i>	57.6	57.5	57.3	57.6	58.3	58.7
Berkemahiran Rendah <i>Low-skilled</i>	12.3	12.5	12.0	12.1	12.3	12.0
Jumlah <i>Total</i>	100.0	100.0	100.0	100.0	100.0	100.0

Sumber : Statistik Guna Tenaga Suku Tahunan
Source : Quarterly Employment Statistics

Nota / Notes :

^P Awalan / Preliminary

20b Statistik Guna Tenaga Sektor Pertambangan dan Pengkuarian mengikut Kemahiran - Suku Tahunan
Employment Statistics of Mining and Quarrying Sector by Skill - Quarterly

Keterangan Description		2022				2023 ^P				2024	
		I	II	III	IV	I	II	III	IV	I	II
(A)	Bilangan ('000 orang) Total ('000 persons)										
	Mahir Skilled	23.4	23.5	22.9	23.2	23.5	23.5	23.6	23.4	23.4	23.4
	Sepuluh Mahir Semi-skilled	44.4	44.3	45.4	46.1	46.4	46.8	47.2	47.0	46.9	46.9
	Berkemahiran Rendah Low-skilled	9.3	9.4	9.6	9.7	9.7	9.6	9.5	9.6	9.7	9.7
	Jumlah Total	77.1	77.2	77.9	79.1	79.7	79.9	80.3	80.1	80.0	80.0
(B)	Peratusan Sumbangan Percentage Share										
	Mahir Skilled	30.3	30.5	29.4	29.4	29.6	29.4	29.3	29.3	29.2	29.3
	Sepuluh Mahir Semi-skilled	57.6	57.3	58.3	58.3	58.2	58.6	58.8	58.7	58.7	58.6
	Berkemahiran Rendah Low-skilled	12.1	12.2	12.3	12.3	12.2	12.0	11.9	12.0	12.1	12.1
	Jumlah Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

Sumber : Statistik Guna Tenaga Suku Tahunan
Source : Quarterly Employment Statistics

Nota / Notes :

^P Awalan / Preliminary

21a Produktiviti Buruh Sektor Perlombongan dan Pengkuarian - Tahunan
Labour Productivity of Mining and Quarrying Sector - Annually

Keterangan Description		2018	2019	2020	2021	2022 ^e	2023 ^p
(A) Produktiviti Productivity							
Nilai Ditambah pada Harga Malar Value Added at Constant Prices	(RM Juta) (RM Million)	103,557	102,887	92,879	93,717	97,001	97,513
Jumlah Jam Bekerja Total Hours Worked	(Juta Jam) (Million Hours)	185	185	168	175	181	185
Jumlah Pekerja Total Workers	('000 Orang) (000 Persons)	76	75	74	75	76	76
Nilai Ditambah per Jam Pekerja Value Added per Hour Worked	RM	558	556	554	537	535	527
Nilai Ditambah per Pekerja Value Added per Employment	RM	1,367,042	1,363,562	1,259,637	1,249,966	1,277,833	1,278,404
(B) Perubahan Peratusan Tahunan Annual Percentage Change							
Nilai Ditambah pada Harga Malar Value Added at Constant Prices		-2.2	-0.6	-9.7	0.9	3.5	0.5
Jumlah Jam Bekerja Total Hours Worked		-5.3	-0.3	-9.4	4.2	3.9	2.0
Jumlah Pekerja Total		-6.0	-0.4	-2.3	1.7	1.2	0.5
Nilai Ditambah per Jam Pekerja Value Added per Hour Worked		3.3	-0.4	-0.3	-3.2	-0.4	-1.4
Nilai Ditambah per Pekerja Value Added per Employment		4.0	-0.3	-7.6	-0.8	2.2	0.0

Sumber : Produktiviti Buruh Suku Tahunan
Source : Quarterly Labour Productivity

Nota / Notes :

^e Anggaran / Estimate

^p Awalan / Preliminary

Keterangan Description		2022 ^p				2023				2024		
		I	II	III	IV	I	II	III	IV	I	II	
(A)	Produktiviti Productivity											
	Nilai Ditambah pada Harga Malar Value Added at Constant Prices	(RM Juta) (RM Million)	24,377	23,667	23,421	25,535	24,755	23,173	23,162	26,422	26,172	23,808
	Jumlah Jam Bekerja Total Hours Worked	(Juta Jam) (Million Hours)	45	45	46	46	46	47	46	47	47	46
	Jumlah Pekerja Total Workers	('000 Orang) (‘000 Persons)	76	76	76	76	76	76	76	76	76	76
	Nilai Ditambah per Jam Pekerja Value Added per Hour Worked	RM	538	531	512	558	541	496	504	567	556	516
	Nilai Ditambah per Pekerja Value Added per Employment	RM	321,602	312,683	308,071	335,432	324,993	303,773	303,351	346,305	343,404	311,331
(B)	Perubahan Peratusan dari Suku Tahun yang Sama Tahun Sebelumnya Percentage Change from Corresponding Quarter of Preceding Year											
	Nilai Ditambah pada Harga Malar Value Added at Constant Prices		-1.0	-1.7	10.4	7.3	1.6	-2.1	-1.1	3.5	5.7	2.7
	Jumlah Jam Bekerja Total Hours Worked		3.9	4.8	4.8	2.0	0.9	4.7	0.4	2.0	3.0	-1.2
	Jumlah Pekerja Total Workers		2.6	1.8	0.4	0.3	0.5	0.8	0.4	0.2	0.1	0.2
	Nilai Ditambah per Jam Pekerja Value Added per Hour Worked		-4.7	-6.2	5.4	5.1	0.7	-6.5	-1.5	1.5	2.7	4.0
	Nilai Ditambah per Pekerja Value Added per Employment		-3.6	-3.4	10.1	6.9	1.1	-2.8	-1.5	3.2	5.7	2.5

Sumber : Produktiviti Buruh Suku Tahunan

Source : Quarterly Labour Productivity

Nota / Notes :

^e Anggaran / Estimate^p Awalan / Preliminary

BAHAGIAN
PART

3

NOTA TEKNIKAL
TECHNICAL NOTES





A. PENDAHULUAN

Penerbitan ini mengandungi statistik pengeluaran, jualan, harga, eksport dan import berkaitan minyak mentah & kondensat dan gas asli. Selain itu, indikator makroekonomi yang merangkumi Keluaran Dalam Negeri Kasar (KDNK), Indeks Pengeluaran Perindustrian (IPP), Indeks Harga Pengeluar (IHPR) serta statistik guna tenaga dan produktiviti buruh turut dilaporkan dalam penerbitan ini.

B. SUMBER STATISTIK

Statistik yang diterima daripada Petroliaam Nasional Berhad (PETRONAS), Malaysia Thailand Joint Authority (MTJA) dan statistik yang disusun oleh Jabatan Perangkaan Malaysia (DOSM).

C. KONSEP DAN DEFINISI

Konsep dan definisi yang digunakan berasaskan kepada syor *International Recommendation for Industrial Statistics (IRIS) 2008* oleh United Nations Statistics Division dan Joint Organisations Data Initiative (JODI). Konsep tersebut adalah mengikut amalan yang telah diterima pakai dan dengan itu memudahkan perbandingan data di peringkat antarabangsa.

Takrif perlombongan yang digunakan adalah seperti berikut:

“Perlombongan adalah ditakrifkan sebagai pengekstrakan, pembersihan dan pemanfaatan mineral-mineral semulajadi, berbentuk pepejal seperti arang batu dan bijih, cecair seperti minyak mentah dan berbentuk gas seperti gas asli. Perlombongan termasuk lombong bawah tanah dan lombong permukaan, kuari dan telaga-telaga dan semua kegiatan tambahan untuk pembersihan dan pemanfaatan bijih dan mineral mentah lain seperti pemecahan, penapisan, pembasuhan, pembersihan, penggredan, pengilangan, pengapungan, peleburan, penggentelan, pengkacipan dan persiapan-persiapan lain yang diperlukan bagi menyediakan bahan-bahan ini untuk membolehkannya dipasarkan. Aktiviti perlombongan juga dikelaskan kepada kumpulan-kumpulan berdasarkan mineral utama yang dikeluarkan”.

1. Minyak Mentah

Satu campuran hidrokarbon yang wujud dalam bentuk cecair dalam takungan bawah tanah semula jadi dan kekal sebagai cecair pada tekanan atmosfera selepas melalui kaedah pemisahan permukaan.

2. Kondensat

Hidrokarbon dalam bentuk gas di bawah takungan dan bertukar menjadi cecair apabila dibawa ke permukaan bumi dan bebas daripada suhu dan tekanan yang tinggi.

3. Gas asli

Gas asli adalah cecair atau cecair hidrokarbon yang diperolehi daripada gas asli semasa proses pengasingan atau loji pemprosesan gas. Gas asli cecair termasuk etana, propana, butana (normal dan iso-), (iso) pentana dan pentana ditambah (juga dirujuk sebagai gasolin semula jadi atau kondensat tumbuhan). Gas asli boleh diklasifikasikan seperti berikut:

i. Gas bersekutu

Gas asli yang dikenali sebagai *gas-caps* yang terletak di atas dan bersekali dengan minyak dalam takungan.



ii. Gas tidak bersekutu

Gas asli yang tidak bersekali dengan minyak mentah dalam takungan.

4. Gas Petroleum Cecair (LPG)

Gas petroleum cecair (LPG) adalah nama generik bagi propana dan butana komersial. Gas ini dihasilkan daripada kilang pemprosesan gas asli atau dari kilang penapisan.

LPG wujud secara semula jadi sebagai gas pada tekanan atmosfera. LPG mempunyai kaedah khas untuk menjadi cecair pada suhu atmosfera jika dimampatkan dengan sederhana, dengan mudah ia boleh ditukar dari cecair ke gas pada tekanan atmosfera. Bagi memudahkan pengangkutan dan penyimpanan, LPG biasanya dibotolkan dalam keadaan cecair (kira-kira 250 kali lebih padat daripada bentuk gas), walau bagaimanapun propana boleh dibekalkan secara pukal untuk tangki simpanan di premis pengguna.

LPG digunakan secara domestik, terutamanya untuk tujuan pemanasan dan memasak serta perindustrian, contohnya sebagai bahan mentah untuk industri petrokimia. Ia juga semakin digunakan dalam sektor pengangkutan sebagai bahan api kenderaan, kerana sifat-sifat pembakaran bersih dan harga yang lebih rendah.

5. Gas Asli Cecair (NGL)

Hidrokarbon cecair atau cecair yang diperolehi daripada loji pengasingan gas dan kemudahan pemprosesan gas.

6. Gasolin

i. Gasolin motor

Gasolin motor adalah bahan api utama yang digunakan dalam sektor pengangkutan/jalan dan kira-kira 25 peratus daripada jumlah penggunaan minyak di dunia.

Gasolin motor adalah campuran kompleks hidrokarbon yang tidak menentu yang digunakan untuk *internal spark-ignition engines*. Gasolin dihasilkan di kilang hasil daripada penyulingan utama minyak mentah dan proses selanjutnya, termasuk mengubah struktur molekul, sehingga memenuhi spesifikasi yang diperlukan. Ciri-ciri gasolin yang dihasilkan bergantung kepada jenis minyak mentah yang digunakan dan persediaan kilang di mana ia dihasilkan.

Gasolin motor mungkin termasuk beberapa kuantiti bahan tambahan dan komponen campuran untuk memperbaiki sifat-sifat bahan api seperti contohnya *octane number*, kestabilan dan pembentukan deposit dalam enjin.

ii. Gasolin penerbangan

Gasolin penerbangan adalah campuran beberapa sebatian hidrokarbon yang berbeza. Keperluan spesifikasi untuk gasolin penerbangan, terutamanya adalah *anti-knock*, ketidakstabilan, kecairan, kestabilan, kehakisan dan kebersihan menetapkan batasan terperinci pada bahan-bahan yang boleh digunakan.



7. Minyak Bahan Api

Minyak bahan api adalah produk campuran berdasarkan sisa dari pelbagai penapisan, penyulingan dan proses pemecahan. Ia adalah cecair likat dengan sifat bau dan ia memerlukan pemanasan untuk penyimpanan dan pembakaran. Minyak bahan api berat digunakan dalam medium untuk industri kilang besar, aplikasi marin dan stesen kuasa dalam peralatan pembakaran seperti dandang, relau dan enjin diesel.

8. Minyak Diesel/gas

Minyak diesel/gas adalah minyak bahan api ringan yang disuling semasa proses penapisan dan digunakan terutamanya untuk pemanasan, tujuan automotif dalam enjin diesel dan penjaan kuasa.

Dua jenis minyak diesel/gas yang utama dibezakan dari segi kegunaannya:

i. Pengangkutan diesel

Bahan api yang digunakan untuk pembakaran dalam enjin diesel di jalan raya, kereta, lori dan lain-lain, biasanya kandungan sulfur adalah rendah.

ii. *Heating oil* dan minyak gas lain

Minyak bahan api sulingan yang terutamanya digunakan dalam *stationary* atau *marine diesel engines*. Ia termasuk *light heating oil* yang digunakan untuk ruang pemanasan kediaman atau komersial, atau dalam industri kilang. Ia juga termasuk diesel marin untuk kegunaan tongkang dan bot enjin dan minyak gas berat lain yang boleh digunakan sebagai stok bahan petrokimia.

9. Minyak Pelincir Campuran

Minyak pelincir campuran adalah hidrokarbon yang dihasilkan daripada sulingan mengikut produk dan digunakan terutamanya untuk mengurangkan geseran antara permukaan *bearing* pada kenderaan. Minyak ini termasuk semua gred minyak pelincir akhir, dari minyak gelendong (*spindle*) sehingga minyak silinder, serta yang digunakan di dalam gris, termasuk minyak motor dan semua gred minyak pelincir asas.

10. Minyak Tanah

i. Kerosin jet

Merupakan sulingan yang digunakan untuk unit kuasa turbin penerbangan. Ia mempunyai ciri-ciri yang sama di antara penyulingan 150°C dan 300°C (biasanya tidak melebihi 250°C) dan titik kilat seperti minyak tanah. Di samping itu, ia mempunyai spesifikasi tertentu (seperti titik beku) yang ditubuhkan oleh Persatuan Pengangkutan Udara Antarabangsa (IATA).

ii. Lain-lain minyak tanah

Penyulingan sederhana minyak antara 150°C dan 300°C, sekurang-kurangnya 65 peratus daripada jumlah sulingan pada 250°C. Gravitinya adalah kira-kira 0.80 dan titik kilat adalah melebihi 38°C. Ia digunakan sebagai cahaya dan bahan api dalam beberapa jenis enjin *spark-ignition*, seperti yang digunakan untuk traktor pertanian dan enjin pegun. Nama-nama lain untuk produk ini adalah pembakaran minyak, pemeluwapan minyak, *power kerosene* dan *illuminating oil*.



11. Nafta

Nafta adalah bahan mentah yang digunakan sama ada untuk industri petrokimia (cth: pengeluaran etilena atau pengeluaran aromatik) atau untuk pengeluaran gasolin oleh proses *reforming* atau *isomeration* dalam penapisan. Nafta terdiri daripada bahan dalam peringkat penyulingan 30°C dan 210°C atau sebahagian daripada selang ini.

12. Purata Harga 'Lifting' Berpemberat

Harga purata 'lifting' berpemberat Minyak mentah dan kondensat adalah harga yang diwartakan.

13. Minyak Mentah *West Texas Intermediate (WTI)*

Aliran minyak mentah yang dihasilkan di Texas dan Oklahoma Selatan yang berfungsi sebagai rujukan atau "penanda aras" untuk menetapkan harga beberapa aliran minyak mentah lain dan yang didagangkan dalam pasaran tempatan domestik di Cushing, Oklahoma.

14. Minyak Mentah *Brent*

Sejenis mentah campuran yang dihasilkan di kawasan Laut Utara United Kingdom yang berfungsi sebagai rujukan atau "penanda aras" untuk menetapkan harga beberapa aliran minyak mentah lain.

15. *Henry Hub*

Hab saluran paip di pantai Teluk Louisiana. Ia adalah pusat penghantaran untuk kontrak perniagaan gas asli masa hadapan di *New York Mercantile Exchange (NYMEX)*.

16. Eksport Negara Destinasi

Sesuatu barang (keluaran atau buatan tempatan atau diimport untuk dieksport semula) dianggap sebagai eksport apabila ianya dibawa keluar dari negara.

Eksport dikelaskan mengikut negara destinasi, iaitu negara di mana barangan itu dijangka akan digunakan; berdasarkan sejauh mana maklumat ini dapat ditentukan pada masa ianya dieksport. Bagi barangan yang dihantar dengan *optional bill of lading*, negara di mana pelabuhan pertama diketahui akan dikira sebagai negara yang dituju. Bagi barangan yang dieksport melalui Singapura, jika maklumat mengenai negara yang ditujunya tidak dapat ditentukan, maka eksport berkenaan adalah dimasukkan di bawah nilai eksport ke Singapura, iaitu di bawah kategori yang sama seperti barangan yang digunakan di Singapura.

17. Import mengikut Negara Asal

Sesuatu barang dianggap sebagai import apabila ianya dibawa masuk ke dalam negara, sama ada terus ataupun disimpan di gudang-gudang yang dikawal tanpa mengira sama ada barang tersebut adalah untuk kegunaan sendiri, diproses, digunakan dalam perkilangan ataupun untuk dieksport semula ke negara lain.

Import dikelaskan mengikut negara asal barangan, iaitu negara di mana barangan itu dibentuk dengan lengkap seperti mana ianya diimport masuk ke dalam negara. Bagi barangan melalui Singapura, jika maklumat negara asalnya tidak dapat ditentukan, maka import berkenaan dimasukkan di bawah nilai import dari Singapura, iaitu di bawah kategori yang sama seperti barangan yang dibuat di Singapura.



18. Keluaran Dalam Negeri Kasar

Keluaran Dalam Negeri Kasar (KDNK) adalah jumlah nilai barangan dan perkhidmatan yang dikeluarkan dalam tempoh tertentu selepas ditolak kos barang dan perkhidmatan yang digunakan dalam proses pengeluaran. Nilai ini merupakan nilai sebelum ditolak nilai peruntukan bagi modal tetap; iaitu jumlah nilai ditambah pada harga pengeluar bagi pengeluar residen ditambah dengan duti import. KDNK ini juga bersamaan dengan perbelanjaan ke atas KDNK (pada harga pembeli) iaitu jumlah bagi semua komponen perbelanjaan akhir ke atas barangan dan perkhidmatan tolak dengan import barangan dan perkhidmatan.

KDNK boleh diukur dengan menggunakan tiga kaedah iaitu Kaedah Pengeluaran, Perbelanjaan dan Pendapatan. Namun begitu, penerbitan KDNK DOSM hanya menggunakan Kaedah Pengeluaran dan Perbelanjaan sahaja.

19. Indeks Pengeluaran Perindustrian Malaysia (2015=100)

Indeks Pengeluaran Perindustrian Malaysia (IPP) adalah untuk mengukur kadar perubahan sebenar pengeluaran komoditi perindustrian bagi satu tempoh masa. IPP merangkumi tiga sektor utama iaitu Perlombongan, Pembuatan dan Elektrik. Liputan ini adalah selaras dengan definisi sektor perindustrian dalam *International Recommendations for the Index of Industrial Production (IRIIP) 2010* yang dikeluarkan oleh *United Nations*.

20. Indeks Harga Pengeluar Pengeluaran Tempatan (2010=100)

Indeks Harga Pengeluar (IHPR) Pengeluaran Tempatan adalah untuk mengukur purata perubahan harga yang dikenakan oleh pengeluar barangan dalam sesuatu industri. IHPR yang merupakan indeks berasaskan output ini juga merupakan penunjuk ekonomi makro yang digunakan bagi memantau pergerakan harga output tempatan dan sering dilihat sebagai penunjuk awalan kepada Indeks Harga Pengguna.

21. Pekerja

Semua orang yang bekerja sekurang-kurangnya sejam semasa minggu rujukan untuk mendapatkan upah, keuntungan atau keuntungan keluarga sama ada sebagai majikan, pekerja, bekerja sendiri atau pekerja keluarga tanpa gaji. Mereka juga dianggap bekerja jika:

- i. Tidak bekerja semasa minggu rujukan disebabkan sakit, kecederaan, tiada upaya, cuaca buruk, bercuti, pertelingkahan buruh dan sebab-sebab sosial atau keagamaan tetapi mempunyai pekerjaan, ladang, perusahaan atau perusahaan keluarga lain untuk kembali bekerja.
- ii. Tidak bekerja buat sementara waktu tetapi bergaji dan pasti akan dipanggil bekerja semula.
- iii. Mereka yang bekerja kurang 30 jam seminggu semasa minggu rujukan disebabkan keadaan kerja atau kerja yang tidak mencukupi.
- iv. Mereka yang bekerja dalam keadaan guna tenaga tidak penuh:
 - Guna tenaga tidak penuh berkaitan masa merupakan kumpulan yang bekerja kurang daripada 30 jam semasa minggu rujukan disebabkan keadaan kerja atau kerja yang tidak mencukupi dan berkeupayaan serta sanggup menerima tambahan bilangan jam bekerja.



- Guna tenaga tidak penuh berkaitan kemahiran mereka yang mempunyai pendidikan tertiar dan bekerja dalam kategori separuh mahir dan berkemahiran rendah.
 - Mereka yang bekerja lebih daripada 30 jam semasa minggu rujukan merupakan guna tenaga penuh.
- v. Bekerja semasa menjalani latihan atau aktiviti peningkatan kemahiran yang diperlukan oleh pekerjaan contohnya mereka yang mengikuti program *Reskilling and Upskilling*. (merujuk laporan III, ICLS 19th).
- vi. Perantis atau pelatih yang menerima bayaran tunai atau barangan seperti pelajar praktikal yang berbayar. (merujuk laporan III, ICLS 19th).

22. Kategori Kemahiran

Kategori kemahiran telah dikelaskan semula kepada tiga tahap kemahiran seperti berikut:

Kemahiran	MASCO 2013
Mahir	1. Pengurus 2. Profesional 3. Juruteknik dan profesional bersekutu
Separuh Mahir	1. Pekerja sokongan perkeranian 2. Pekerja perkhidmatan dan jualan 3. Pekerja mahir pertanian, perhutanan, penternakan, dan perikanan 4. Pekerja kemahiran dan pekerja pertukangan yang berkaitan 5. Operator mesin dan loji, dan pemasang
Berkemahiran Rendah	1. Pekerja asas

23. Produktiviti Buruh per Pekerja

Produktiviti buruh per pekerja ditakrifkan sebagai nisbah output (barangan dan perkhidmatan) kepada input (pekerja).

Ia menggambarkan jumlah output yang dihasilkan oleh setiap orang yang bekerja sepenuh masa, separuh masa, bekerja sendiri atau pekerja keluarga tanpa gaji yang bekerja sekurang-kurangnya satu jam dalam seminggu. Pekerja merujuk kepada keseluruhan pekerja pada akhir tempoh rujukan.

24. Produktiviti Buruh per Jam Bekerja

Produktiviti buruh per jam bekerja ditakrifkan sebagai nisbah output (barangan dan perkhidmatan) kepada input (jumlah jam bekerja). Ia menggambarkan jumlah output yang dihasilkan dalam tempoh sejam berdasarkan kategori pekerja yang bekerja sepenuh masa, separuh masa, bekerja sendiri atau pekerja keluarga tanpa gaji yang bekerja sekurang-kurangnya satu jam dalam seminggu.

Pekerja merujuk kepada keseluruhan pekerja kecuali mereka yang tidak bekerja pada akhir tempoh rujukan kerana sakit, kecederaan, hilang upaya, cuaca buruk, cuti, pertikaian buruh dan sebab sosial atau agama.

**D. KLASIFIKASI**

Klasifikasi sektor Perlombongan dan pengkuarian adalah berdasarkan Piawaian Klasifikasi Industri Malaysia (MSIC) 2008 Ver. 1.0 (Rujuk Lampiran).

E. PINDAAN

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



A. INTRODUCTION

This publication provides a statistics on production, sales, prices, exports and imports of crude oil & condensate and natural gas. In addition, macroeconomic indicators which include Gross Domestic Product (GDP), Industrial Production Index (IPI), Producer Price Index (PPI) as well as employment and labour productivity statistics are also reported to complete the statistics in this publication.

B. SOURCES OF STATISTICS

Statistics obtained from Petroliaam Nasional Berhad (PETRONAS), Malaysia Thailand Joint Authority (MTJA) and statistics compiled by Department of Statistics Malaysia (DOSM).

C. CONCEPTS AND DEFINITIONS

The concepts and definitions used are based on the International Recommendation for Industrial Statistics, 2008 by United Nations Statistics Division and the Joint Organisations Data Initiative (JODI). These concept are in accordance with the practices that have been adopted and thus facilitates the comparison of data internationally.

The definition of mining used is as follows:

“Mining is defined as the extraction, dressing and beneficiating of minerals occurring naturally as solids, such as coal and ores, liquids, such as crude oil, or gases, such as natural gas. Mining also includes underground and surface mines, quarries and wells and all supplemental activities for dressing and beneficiating ores and other crude minerals such as crushing, screening, washing, cleaning, grading, milling, flotation, melting, pelleting, topping and other preparations needed to render the material marketable. Mining activities are classified into groups on the basis of the principal mineral produced.”

1. Crude Oil

A mixture of hydrocarbons that exist in liquid form in a natural underground reservoir and remain as a liquid at atmospheric pressure after going through the surface separation method.

2. Condensate

Hydrocarbons are in the form of gases below the reservoir and turn into liquids when brought to the earth's surface and are free from high temperatures and pressures.

3. Natural gas

Natural gas is liquid or liquefied hydrocarbons recovered from natural gas in separation facilities or gas processing plants. Liquefied natural gas includes ethane, propane, butane (normal and iso-), (iso) pentane and pentanes plus (sometimes referred to as natural gasoline or plant condensate). Natural gas can be classified as follows:

i. Associated gas

Natural gas known as gas-caps are located above and along with the oil in the reservoir.

ii. Non-associated gas

Natural gas that is not mixed with crude oil in the reservoir.



4. **Liquefied Petroleum Gas (LPG)**

Liquefied petroleum gas (LPG) is the generic name for commercial propane and commercial butane. It can be produced from natural gas processing plants, oil refineries and in natural gas liquefaction plants.

LPG occurs naturally as gas at atmospheric pressure. It has the special property of becoming liquid at atmospheric temperature if moderately compressed and can easily be converted from liquid into gas by being released to atmospheric pressure. In order to facilitate transport and storage, LPG is usually bottled in liquid state (about 250 times more dense than in its gaseous form), propane however can also be supplied in bulk for storage tanks at consumers' premises.

LPG is used domestically, mainly for heating and cooking purposes and industrially for example as feedstock to the petrochemical industry. It is also increasingly used in the transport sector as vehicle fuel, because of its cleaner burning properties and often lower end-use price.

5. **Natural Gas Liquid (NGL)**

Liquid or liquefied hydrocarbons recovered from gas separation plants and gas processing facilities.

6. **Gasoline**

i. **Motor gasoline**

Motor gasoline is the principal fuel used in the transport/road sector and accounts for some 25 per cent of total oil use in the world.

Motor gasoline is a complex mixture of relatively volatile hydrocarbons used for spark-ignition internal combustion engines. Gasoline is produced in refineries as the result of primary distillation of crude oil and then further processing, including changing the molecular structure, until the required specifications are met. The characteristics of the gasoline produced depend on the type of crude oil that is used and the setup of the refinery at which it is produced.

Motor gasoline may include some quantities of additives and blending components to improve fuel properties such as octane number, stability and deposit formation in engines.

ii. **Aviation gasoline**

Aviation gasoline is a mixture of many different hydrocarbon compounds. The specification requirements for aviation gasoline, especially anti-knock, volatility, fluidity, stability, corrosiveness, and cleanliness impose severe limitations on the compounds that can be used.

7. **Fuel Oil**

Fuel oil is a blended product based on the residues from various refinery distillation and cracking processes. It is a viscous liquid with a characteristic odour and it requires heating for storage and combustion. Fuel oil is used in medium to large industrial plants, marine applications and power stations in combustion equipment such as boilers, furnaces and diesel engines.



8. **Gas/diesel Oil**

Gas/diesel oil is a lighter fuel oil distilled off during the refining process and used primarily for heating, automotive purposes in diesel engines and for power generation. Two main types are distinguished by their uses:

i. **Transport diesel**

Fuel used for internal combustion in on-road diesel engines, cars, trucks and etc., usually of low sulphur content.

ii. **Heating oil and other gas oil**

This is a distillate fuel oil used mainly in stationary or marine diesel engines. It includes light heating oil which is used for residential or commercial space heating, or in industrial plants. It also includes marine diesel which is used for barge and boat engines and other heavier gas oils which may be used as petrochemical feed stocks.

9. **Blended Lubricating Oil**

Blended lubricating oil is hydrocarbons produced from distillate by product and they are mainly used to reduce friction between bearing surfaces. This category includes all finished grades of lubricating oil, from spindle oil to cylinder oil, and those used in grease, including motor oils and all grades of lubricating oil base stocks.

10. **Kerosenes**

i. **Kerosene type jet fuel**

This is a distillate used for aviation turbine power units. It has the same distillation characteristics between 150°C and 300°C (generally not above 250°C) and has flash point as kerosene. In addition, it has particular specifications (such as freezing point) which are established by the International Air Transport Association (IATA).

ii. **Other kerosene**

Medium distillation of oil between 150°C and 300°C, at least 65 per cent of the total distillation at 250°C. Its gravity is about 0.80 and the flash point is above 38°C. It is used as light and fuel in some types of spark-ignition engines, such as those used for agricultural tractors and stationary engines. Other names for this product are burning oil, vaporizing oil, power kerosene and illuminating oil.

11. **Naphtha**

Naphtha is a raw material used either for the petrochemical industry (e.g. ethylene production or aromatic production) or for the production of gasoline by reforming or isomerization processes in refining. Naphtha consists of substances in distillation stages of 30°C and 210°C or part of this interval.

12. **Weighted Average Lifting Price (WALP)**

Weighted Average Lifting Price (WALP) of Crude oil and condensate are gazetted prices.

13. **West Texas Intermediate (WTI) Crude Oil**

A crude stream produced in Texas and southern Oklahoma which serves as a reference or "marker" for pricing a number of other crude streams and which is traded in the domestic spot market at Cushing, Oklahoma.



14. Brent Crude Oil

A blended crude stream produced in the North Sea region of United Kingdom which serves as a reference or "marker" for pricing a number of other crude streams.

15. Henry Hub

A pipeline hub on the Louisiana Gulf coast. It is the delivery point for the natural gas futures contract on the New York Mercantile Exchange (NYMEX).

16. Exports by Country of Destination

Goods (locally produced or manufactured or imported for subsequent re-exports) are regarded as exports when they are taken out of the country.

Exports are classified according to the country of destination, that is the country where it is expected that the goods will be consumed insofar as this can be ascertained at the time of export. In the case of goods shipped on an optional bill of lading, the country of the first port declared is taken as the country of destination. For goods exported via Singapore, if information regarding the country of destination of goods is not known/available, such exports are included under the value of exports to Singapore that is under the same category as goods consumed in Singapore.

17. Imports by Country of Origin

Goods are regarded as imports when they are brought into the country either directly or into bonded warehouses, irrespective of whether such goods are for consumption, to be processed, use in manufacturing or subsequent re-exports to other countries.

Imports are classified according to the country of origin of the goods, that is the country where the goods are given the final form in which they are imported into the country. For goods imported via Singapore, if information regarding the country of origin cannot be ascertained, such imports are included under the value of imports from Singapore, that is under the same category as goods produced/manufactured in Singapore.

18. Gross Domestic Product (GDP)

GDP is the total value of all goods and services produced in a certain period after deducting the cost of goods and services used up in the process of production. This value is before deducting the allowances for consumption of fixed capital i.e. the sum of value added of resident producer in producer's price plus import duties. GDP is equivalent to expenditure on the GDP (in purchaser's price) i.e. the sum of all components of final expenditure on goods and services less imports of goods and services.

GDP can be measured by using three approaches namely Production, Expenditure and Income Approach. However, the DOSM publication only presents Production and Expenditure Approach.

19. Industrial Production Index, Malaysia (2015=100)

Industrial Production Index, Malaysia(IPI) is to measure the rate of change in the production of industrial commodities in real terms over time. The IPI covers three major sectors namely Mining, Manufacturing and Electricity. This coverage is in line with the industrial sector definition in the International Recommendations for the Index of Industrial Production (IRIIP) 2010 issued by the United Nations.



20. **Producer Price Index Local Production (2010=100)**

Producer Price Index (PPI) local production is to measures the average changes in price of commodities charged by domestic producers of an industry. The PPI, which is an output-based index, is also a macroeconomic indicator used to monitor the price movements of local outputs and is often viewed as a leading indicator of Consumer Price Index.

21. **Persons Engaged**

All persons who, at any time during the reference week worked at least one hour for pay, profit or family gain either as an employer, employee, own-account worker or unpaid family worker. They are also considered as employed if they:

- i. Did not work during the reference week because of illness, injury, disability, bad weather, leave, labour dispute and social or religious reasons but had a job, farm, enterprise or other family enterprise to return to.
- ii. Were temporary laid-off with pay and would definitely be called back to work.
- iii. Were employed less than 30 hours per week during the reference week because of the nature of their work.
- iv. Were employed in the category of underemployment:
 - Time-related underemployment were a group of people who employed less than 30 hours during the reference week because of the nature of their work or due to insufficient work and are able and willing to accept additional hours of work.
 - Skill-related underemployment were those with tertiary education and working in the semi-skilled and low-skilled categories
 - Persons who were employed more than 30 hours during the reference week are considered to be in full employment.
- v. Person who works for pay or profit while on training or skills-enhancement activities required by the job or for another job for example those who follow Reskilling and Upskilling programs. This refers to the 19th International Conference of Labour Statisticians (ICLS).
- vi. Apprentices, interns or trainees who work for pay in cash or in kind such paid practical students. This also refers to the 19th ICLS.

22. **Category of Skill**

The category of skill is regrouped into three levels of skill as follows:

Skill	MASCO 2013
Skilled	1. Managers 2. Professionals
Semi-skilled	1. Clerical support workers 2. Service and sales workers 3. Skilled agricultural, forestry, livestock and fishery workers 4. Craft and related trades workers 5. Plant and machine operators and assemblers
Low-skilled	1. Elementary occupations



23. Labour Productivity per Employment

Labour productivity per employment is measured as the ratio of output (goods and services) to input (employment).

It reflects the amount of output produced by each employee in full-time, part-time, or self-employed or unpaid family worker for at least one hour within a week. Employment refers to the overall number of employees at the end of the reference period.

24. Labour Productivity per Hour Worked

Labour productivity per hour worked is defined as the ratio of output (goods and services) to input (total working hours). It reflects the amount of output produced within an hour based on the category of employees either in full-time, part-time or self-employed or unpaid family worker who worked for at least one hour within a week.

Employment refers to the overall number of employees excluding the employees who did not work during the reference period because of illness, injury, disability, bad weather, leave, labour dispute and social or religious reasons.

D. CLASSIFICATION

The Classification of Mining and quarrying sector is based on Malaysia Standard Industrial Classification (MSIC) 2008 Ver. 1.0 (Refer Appendix).

E. REVISION

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



Piawaian Klasifikasi Industri Malaysia, 2008 Ver. 1.0
Malaysia Standard Industrial Classification 2008 Ver. 1.0

Kumpulan Group	Perkara Details	Keterangan	Description
051		Perlombongan batu arang pepejal	Mining of hard coal
	05100	Perlombongan batu arang pepejal	Mining of hard coal
052		Perlombongan lignit	Mining of lignite
	05200	Perlombongan lignit (batu arang perang)	Mining of lignite (brown coal)
061		Pengekstrakan petroleum mentah	Extraction of crude petroleum oils
	06101	Pengekstrakan minyak petroleum mentah	Extraction of crude petroleum oils
	06102	Pengekstrakan bitumen atau minyak batu syal dan pasir tar	Extraction of bituminous or oil shale and tar sand
	06103	Pengeluaran petroleum mentah daripada batu syal dan pasir berbitumen	Production of crude petroleum from bituminous shale and sand
	06104	Proses mendapatkan minyak mentah	Processes to obtain crude oils
062		Pengekstrakan gas asli	Extraction of natural gas
	06201	Pengeluaran hidrokarbon mentah bergas (gas asli)	Production of crude gaseous hydrocarbon (natural gas)
	06202	Pengekstrakan kondensat	Extraction of condensates
	06203	Penyaliran dan pemisahan komponen hidrokarbon cecair	Draining and separation of liquid hydrocarbon fractions
	06204	Penyahsulfuran gas	Gas desulphurization
	06205	Perlombongan cecair hidrokarbon, diperoleh melalui pencairan atau penguraian kimia (pirolisis)	Mining of hydrocarbon liquids, obtain through liquefaction or pyrolysis
071		Perlombongan bijih besi	Mining of ores
	07101	Perlombongan bijih yang tinggi kandungan besi	Mining of ores valued chiefly for iron content
072		Perlombongan bijih logam bukan besi (non-ferrous)	Mining of non-ferrous metal ores
	07210	Perlombongan bijih uranium dan torium	Mining of uranium and thorium ores
	07291	Perlombongan bijih timah	Mining of tin ores
	07292	Perlombongan tembaga	Mining of copper
	07293	Perlombongan bauksit (aluminium)	Mining of bauxite (aluminium)
	07294	Perlombongan ilmenit	Mining of ilmenite
	07295	Perlombongan emas	Mining of gold
	07296	Perlombongan perak	Mining of silver
	07297	Perlombongan platinum	Mining of platinum
	07298	Pembilasan amang	Amang retreatment
	07299	Perlombongan bijih logam bukan besi lain	Mining of other non-ferrous metal ores n.e.c.



Piawaian Klasifikasi Industri Malaysia, 2008 Ver. 1.0
Malaysia Standard Industrial Classification 2008 Ver. 1.0

Kumpulan Group	Perkara Details	Keterangan	Description
081		Pengkuarian batu, pasir dan tanah liat	Quarrying of stone, sand and clay
	08101	Pengkuarian, pemotongan kasar bongkah batu dan batu bangunan seperti marmar, granit (batu dimensi), batu pasir	Quarrying, rough trimming and sawing of monumental and building stone such as marble, granite (dimension stone), sandstone
	08102	Pengkuarian, penghancuran dan pemecahan batu kapur	Quarrying, crushing and breaking of limestone
	08103	Perlombongan gipsum dan anhidrit	Mining of gypsum and anhydrite
	08104	Perlombongan kapur dan dolomit yang tidak dirawat	Mining of chalk and uncalcined dolomite
	08105	Pengekstrakan dan penggorekan bagi industri pasir, pasir untuk sektor pembinaan dan kerikil	Extraction and dredging of industrial sand, sand for construction and gravel
	08106	Pemecahan dan penghancuran batu dan kerikil	Breaking and crushing of stone and gravel
	08107	Pengkuarian pasir	Quarrying of sand
	08108	Perlombongan tanah liat, refraktori tanah liat dan kaolin	Mining of clays, refractory clays and kaolin
	08109	Pengkuarian, penghancuran dan pemecahan granit	Quarrying, crushing and breaking of granite
089		Perlombongan dan pengkuarian t.t.t.l	Mining and quarrying n.e.c
	08911	Perlombongan fosfat semulajadi	Mining of natural phosphates
	08912	Perlombongan garam kalium (potassium) semulajadi	Mining of natural potassium saltes
	08913	Perlombongan sulfur semulajadi	Mining of native sulphur
	08914	Pengekstrakan dan penyediaan pirit dan pirotit, kecuali penyalaian	Extraction and preparation of pyrites and pyrrhotite, except roasting
	08915	Perlombongan barium sulfat semulajadi dan karbonat (<i>barite and witherite</i>)	Mining of natural barium sulphate and carbonate (barytes and witherite)
	08916	Perlombongan borat semulajadi, magnesium sulfat semulajadi (<i>kieserite</i>)	Mining of natural borates, natural magnesium sulphates (<i>kieserite</i>)
	08917	Perlombongan earth colours, fluorspar dan mineral lain yang tinggi kandungan mineral sebagai sumber kimia	Mining of earth colours, fluorspar and other minerals valued chiefly as a source of chemicals
	08918	Perlombongan guano	Guano mining
	08921	Penggalian tanah gambut	Peat digging
	08922	Pengumpulan tanah gambut	Peat agglomeration
	08923	Penyediaan tanah gambut untuk pembaikan kualiti atau kemudahan pengangkutan atau penstoran	Preparation of peat to improve quality or facilitate transport or storage
	08931	Pengektrakan garam dari bawah tanah	Salt extraction from under ground
	08932	Pengeluaran garam melalui penyejatan air laut atau air masin lain	Salt production by evaporation of sea water or other saline waters
	08933	Penghancuran, penulenan dan penapisan garam oleh pengeluar	Crushing, purification and refining of salt by the producer



Piawaian Klasifikasi Industri Malaysia, 2008 Ver. 1.0
Malaysia Standard Industrial Classification 2008 Ver. 1.0

Kumpulan Group	Perkara Details	Keterangan	Description
	08991	Perlombongan dan pengkuarian bahan pelelas (bahan kesat)	<i>Mining and quarrying of abrasive materials</i>
	08992	Perlombongan dan pengkuarian asbestos	<i>Mining and quarrying of asbestos</i>
	08993	Perlombongan dan pengkuarian fosil bersilika	<i>Mining and quarrying of siliceous fossil meals</i>
	08994	Perlombongan dan pengkuarian grafit semulajadi	<i>Mining and quarrying of natural graphite</i>
	08995	Perlombongan dan pengkuarian steatite	<i>Mining and quarrying of steatite (talc)</i>
	08996	Perlombongan dan pengkuarian batu permata	<i>Mining and quarrying of gemstones</i>
	08999	Perlombongan dan pengkuarian lain t.t.t.l	<i>Other mining and quarrying n.e.c.</i>
091		Aktiviti perkhidmatan sokongan kepada pengekstrakan perlombongan dan pengkuarian	Support activities for mining and quarrying extraction
	09101	Aktiviti pengekstrakan petroleum dan gas yang dibekalkan atas dasar kontrak atau yuran	<i>Oil and gas extraction service activities provided on a fee or contract basis</i>
	09102	Perkhidmatan memadam kebakaran di lapangan minyak dan gas	<i>Oil and gas field fire fighting services</i>
099		Aktiviti sokongan perlombongan dan pengkuarian lain	Support activities for other mining and quarrying
	09900	Aktiviti sokongan perlombongan dan pengkuarian lain	<i>Support activities for other mining and quarrying</i>
		Pembuatan kok dan produk petroleum bertapis	Manufacture of coke and refined petroleum
192		Pembuatan produk petroleum bertapis	Manufacture of refined petroleum products
	19201	Pembuatan produk petroleum bertapis	<i>Manufacture of refined petroleum products</i>
	19202	Pembuatan produk bio-diesel	<i>Manufacture of bio-diesel products</i>
		Perdagangan borong kecuali kenderaan bermotor dan motosikal	Wholesale trade, except of motor vehicle and motorcycles
466		Lain-lain pengkhususan jual borong	Other specialized wholesale
	46611	Jualan borong petrol, diesel, pelincir	<i>Wholesale of petrol, diesel, lubricants</i>
	46612	Jualan borong gas petroleum cecair	<i>Wholesale of liquefied petroleum gas</i>
	46619	Jualan borong bahan api pepejal, cecair dan gas dan produk berkaitan t.t.t.l.	<i>Wholesale of other solid, liquid and gaseous fuels and related products n.e.c.</i>
		Perdagangan runcit kecuali kenderaan bermotor dan motosikal	Retail trade, except motor vehicles and motorcycles
473		Jualan runcit bahan api kenderaan di stor pengkhususan	Retail sale of automotive fuel in specialized stores
	47300	Jualan runcit bahan api kenderaan di kedai khusus	<i>Retail sale of automotive fuel in specialized stores</i>

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