



JABATAN PERDANA MENTERI
JABATAN PERANGKAAN MALAYSIA

MALAYSIA

SIARAN KHAS **3**
Special Release

(UNTUK KERJA-KERJA MEKANIKAL DAN ELEKTRIKAL)
(For Mechanical and Electrical Works)

NOVEMBER 2022
NOVEMBER

Pemakluman

Jabatan Perangkaan Malaysia (DOSM) sedang menjalankan Survei Pendapatan, Perbelanjaan Isi Rumah dan Kemudahan Asas (HIES/BA) 2022 bermula dari 1 Januari 2022 sehingga 31 Disember 2022 dan Survei Ekonomi Tahunan (AES) 2022 bermula dari 15 April 2022 sehingga 30 September 2022. DOSM amat menghargai kerjasama daripada responden yang terpilih untuk memberikan maklumat kepada DOSM serta menjayakan survei ini. Sila layari www.dosm.gov.my untuk maklumat lanjut.

Penerbitan statistik ekonomi dan sosial iaitu PocketStats yang mengandungi statistik suku tahunan dan tahunan boleh diperoleh dari portal DOSM atau melalui pautan https://bit.ly/PocketStatsS1_2022.

Dimaklumkan bahawa Kerajaan Malaysia telah mengisytiharkan Hari Statistik Negara (MyStats Day) pada 20 Oktober setiap tahun. Tema sambutan MyStats Day adalah "Connecting the World with Data We Can Trust".

Announcement

The Department of Statistics Malaysia (DOSM) is conducting the Household Income, Expenditure and Basic Amenities Survey (HIES/BA) 2022 from 1st January 2022 until 31st December 2022 and the Annual Economic Survey (AES) 2022 from 15th April 2022 until 30th September 2022. DOSM greatly appreciates the cooperation given by selected respondents by sharing their information with DOSM and making the survey a success. Please visit www.dosm.gov.my for more information.

Economic and social statistics publication namely PocketStats which contain quarterly and annual statistics can be obtained from the DOSM portal or via the link https://bit.ly/PocketStatsQ1_2022. Please be informed that the Government of Malaysia has declared National Statistics Day (MyStats Day) on October

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Blok C6, Kompleks C,

Pusat Pentadbiran Kerajaan Persekutuan,

62514 Putrajaya,

MALAYSIA

Tel. : 03-8885 7000

Faks : 03-8888 9248

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

Facebook / Twitter / Instagram : StatsMalaysia

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

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“Sumber: Jabatan Perangkaan Malaysia”.

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JADUAL
TABLE

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NOTA TEKNIKAL
TECHNICAL NOTES

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**Nota teknikal Indeks Kos Komponen Kerja-kerja
Mekanikal dan Elektrikal (M&E)
(Julai 2017=100)**

**Technical notes on Component Cost Index of the
Mechanical and Electrical
Works (M&E) (July 2017=100)**

1. Indeks Kos Komponen Kerja-kerja Mekanikal dan Elektrikal (M&E) digunakan dalam Pelaksanaan Syarat Perubahan Harga dalam kontrak-kontrak bangunan kerajaan sahaja. Indeks harga seunit diterbitkan mengikut tiga (3) kawasan iaitu Semenanjung Malaysia, Sabah dan Sarawak.
 2. Spesifikasi untuk komponen mekanikal dan elektrikal terpilih ditentukan oleh Jabatan Kerja Raya (JKR) dan Lembaga Pembangunan Industri Pembinaan Malaysia (CIDB). Harga bagi komponen elektrikal diperoleh dari pungutan harga yang dibuat oleh Jabatan Perangkaan Malaysia. Bagi komponen mekanikal, harga diperoleh dari pembekal.
 3. Mulai Julai 2018, Indeks Kos Komponen Kerja-kerja Mekanikal dan Elektrikal adalah berasaskan kepada tahun asas yang telah disemak semula, Julai 2017=100 (Tahun asas sebelumnya: Julai 2012=100).
 4. Bagi kontrak-kontrak yang telah ditandatangani sebelum Julai 2018, sila lihat 'Jadual faktor pelarasan' (**Lampiran A**) dan 'Contoh mengira Indeks Lama Kos Bahan Binaan Bangunan' (**Lampiran B**) untuk panduan dalam Pelaksanaan Syarat Perubahan Harga. Bagi kontrak-kontrak mulai Julai 2018 dan seterusnya, indeks baru hendaklah digunakan terus tanpa sebarang pelarasan.
1. *The Component Cost Index of the Mechanical and Electrical Works (M&E) is used in Special Provisions to the Conditions of Contract (Variation of Price) in government building contracts only. The unit price indices are reported according to three (3) regions, that is Peninsular Malaysia, Sabah and Sarawak.*
 2. *The specification of the selected mechanical and electrical components are determined by Public Works Department (JKR) and Construction Industry Development Board Malaysia (CIDB). The prices for electrical components are obtained from the price collection conducted by Department of Statistics, Malaysia. For components, the prices are obtained from the suppliers.*
 3. *Starting from July 2018, the Index of Mechanical and Electrical Works Component Cost is based on the revised base year, July 2017=100 (Previous base: July 2012=100).*
 4. *For contracts signed before July 2018, please refer to the 'Adjustment factor table' (**Appendix A**) and the 'Example for calculating the Old Building Materials Cost Index' (**Appendix B**) for the implementation of the Variation of Price. For contracts commencing July 2018 and thereafter, the new index is to be used without any further adjustment.*

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LAMPIRAN

APPENDIX

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Jadual faktor pelarasan
Adjustment factor table

Komponen Component	Faktor pelarasan mengikut kawasan Adjustment factor by region		
	Semenanjung Malaysia	Sabah	Sarawak
(1) Copper Cables			
1.1) Concealed/Surface wiring using G.I conduit (per unit point)	1.0438	0.9980	1.0020
1.2) Cables in galvanized trunking (per meter run)	1.0438	0.9980	1.0020
1.3) Cables laid underground (per meter run)			
i) 120 sq. mm and above	1.0664	1.0503	1.0343
ii) Below 120 sq. mm	1.0500	1.0138	1.0523
1.4) Cables on tray/ladder (per meter run)			
i) 120 sq. mm and above	1.0664	1.0503	1.0343
ii) Below 120 sq. mm	1.0500	1.0138	1.0523
1.5) Busduct	1.0920	0.9750	1.0920
(2) Switchgears			
2.1) HT Switchgears	0.9290	1.0052	1.0000
2.2) LV Switchboards (Incomer breaker 600A and above)	1.1269	1.1017	1.0000
2.3) LV Switchboards and Sub Switchboards (Incomer breaker below 600A)	1.1269	1.1017	1.0000
2.4) TPN & SPN Distribution Boards (Incomer breaker 100A and below)	1.0897	1.0377	1.0680
(3) Transformers			
3.1) Low loss cast resin transformer	0.8624	0.7640	0.8624
3.2) Low loss hermetically sealed (oil filled) transformer	1.0855	0.9340	1.0855
(4) Generators			
4.1) Generator Ratings Above 500kVA	1.0200	1.0330	1.0000
4.2) Generator Ratings 500kVA and below	1.0000	1.0000	1.0000
(5) Lightning Protection System & Earthing System			
5.1) Lightning Protection System	1.1822	1.1555	1.0693
5.2) Earthing System			
i) Earthing System for Main Switchboards and Sub Switchboards	1.1822	1.1555	1.0693
ii) Earthing System for Distribution Boards	1.1822	1.1555	1.0693

Jadual faktor pelarasan (samb.)
Adjustment factor table (cont'd)

Komponen <i>Component</i>	Faktor pelarasan mengikut kawasan <i>Adjustment factor by region</i>	
	Semenanjung Malaysia	Sabah & Sarawak
(6) Air Conditioning System		
6.1) Water Cooled Chiller	1.0000	1.0000
6.2) Air Cooled Chiller	1.0000	1.0000
6.3) Water Cooled Package	1.0000	1.0000
6.4) Air Cooled Package	1.0000	1.0000
6.5) Split Unit System		
i) Wall Mounted	1.0000	1.0000
ii) Ceiling Cassette / Mounted	1.0000	1.0000
6.6) VRV System		
i) Indoor	0.9840	0.9580
ii) Outdoor	0.9790	0.9760
(7) Motor (Pumpset)		
7.1) Condenser Water Pump	1.0080	1.0080
7.2) Chilled Water Pump	1.0080	1.0080
7.3) Hose Reel Pump	1.0060	1.0060

**Contoh pengiraan indeks lama M&E
(Disember 2012=100) dengan menggunakan in-
deks baru M&E
(Julai 2017=100)**

Contoh mengira indeks lama *Busduct* bagi bulan
Julai 2018 untuk kawasan Semenanjung Malaysia
adalah seperti berikut:

I^j lama Julai 2018 = FP (seperti di **Lampiran A**) x I^j
baru Julai 2018

iaitu, indeks lama Julai 2018:
= 1.0920 x 100.0
= 109.2

di mana,

FP = Faktor Pelarasan

I^j = Indeks bagi kategori bangunan j

j = 1, 8

**Example for calculating the old M&E index
(December 2012=100) using the new M&E index
(July 2017=100)**

Example for calculating the old index of *Busduct* for
the month of July 2018 for Peninsular Malaysia is
as follows:

Old I^j for July 2018 = AF (as in **Appendix A**) x new
 I^j for July 2018

i.e. old index for July 2018:
= 1.0920 x 100.0
= 109.2

where,

AF = Adjustment Factor

I^j = Index for building category j

j = 1, 8

Sasaran Tarikh Pengumuman Siaran Khas 3
(Untuk Kerja-Kerja Mekanikal dan Elektrikal), Malaysia, 2022
Scheduled Release Dates for Special Release 3
(For Mechanical and Electrical Works), Malaysia, 2022

Tahun <i>Year</i>	Bulan Rujukan <i>Reference Month</i>	Tahun <i>Year</i>	Tarikh Pengumuman <i>Release Date</i>
2022	Januari <i>January</i>	2022	10 Februari <i>10 February</i>
	Februari <i>February</i>		10 Mac <i>10 March</i>
	Mac <i>March</i>		08 April <i>08 April</i>
	April <i>April</i>		11 Mei <i>11 May</i>
	Mei <i>May</i>		09 Jun <i>09 Jun</i>
	Jun <i>June</i>		07 Julai <i>07 July</i>
	Julai <i>July</i>		10 Ogos <i>10 August</i>
	Ogos <i>August</i>		08 September <i>08 September</i>
	September <i>September</i>		11 Oktober <i>11 October</i>
	Oktober <i>October</i>		10 November <i>10 November</i>
	November <i>November</i>		08 Disember <i>08 December</i>
	Disember <i>December</i>	2023	09 Januari <i>09 January</i>