



KEMENTERIAN EKONOMI
JABATAN PERANGKAAN MALAYSIA

SEMENANJUNG MALAYSIA
PENINSULAR MALAYSIA

SIARAN KHAS
Special Release **2**

(UNTUK KERJA-KERJA PEMBINAAN BANGUNAN DAN STRUKTUR)
(For Building and Structural Works)

JULAI
JULY **2023**

Pemakluman

Jabatan Perangkaan Malaysia (DOSM) sedang menjalankan Banci Ekonomi pada tahun 2023. DOSM amat menghargai kerjasama daripada responden dalam memberikan maklumat kepada DOSM serta menjayakan banci ini. Sila layari www.dosm.gov.my untuk maklumat lanjut.

DOSM telah melancarkan OpenDOSM NextGen sebagai medium yang menyediakan katalog data dan visualisasi bagi memudahkan pengguna menganalisis pelbagai data. OpenDOSM NextGen ialah platform perkongsian data sumber terbuka dan boleh diakses melalui portal <https://open.dosm.gov.my>.

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 Economic Census in 2023. DOSM greatly appreciates the cooperation of respondents in providing information and ensuring the success of this census. Please visit www.dosm.gov.my for more information.

DOSM has launched OpenDOSM NextGen as a medium that provides a catalogue of data and visualisation to facilitate users in analysing various data. OpenDOSM NextGen is an open source data sharing platform and accessible through <https://open.dosm.gov.my> portal.

The Government of Malaysia has declared National Statistics Day (MyStats Day) on October 20 each year. MyStats Day theme is "Connecting the World with Data We Can Trust".

JABATAN PERANGKAAN MALAYSIA
DEPARTMENT OF STATISTICS MALAYSIA

Tarikh: **08** Ogos **2023**
Date: August

Diterbitkan dan dicetak oleh / Published and printed by:

Jabatan Perangkaan Malaysia

Department of Statistics, Malaysia

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)

Harga / Price : RM2.00

Diterbitkan pada Ogos 2023/ *Published on August 2023*

Hakcipta terpelihara / All rights reserved.

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

“Sumber: Jabatan Perangkaan Malaysia”.

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

“Source: Department of Statistics, Malaysia.”

ISSN 0127 - 8576

KANDUNGAN

CONTENTS

	Muka Surat <i>Page</i>
Ringkasan penemuan <i>Summary of findings</i>	1
Jadual 1A : Indeks kos bahan binaan bangunan (Julai 2017=100) mengikut kategori bangunan dan kawasan (tanpa bar keluli) <i>Table 1A</i> : <i>Building materials cost index (July 2017=100) by category of building and region (without steel bars)</i>	5
Jadual 1B : Indeks kos bahan binaan bangunan (Julai 2017=100) mengikut kategori bangunan dan kawasan (termasuk bar keluli) <i>Table 1B</i> : <i>Building materials cost index (July 2017=100) by category of building and region (with steel bars)</i>	8
Jadual 2 : Indeks harga seunit bagi: <i>Table 2</i> : <i>Unit price index for:</i>	11
- Simen / Cement - Besi / Steel - Batu bata & dinding / Bricks & wall - Kaca / Glass - Batu baur / Aggregates - Bahan siling / Ceiling materials - Bahan bumbung / Roofing materials - Kayu / Timber - Papan lapis / Plywood - Lengkapan kebersihan / Sanitary fittings - Jubin lantai & dinding / Floor & wall tiles - Bahan kerja paip / Plumbing materials - Keratan keluli & logam / Steel & metal sections - Pasir / Sand - Cat / Paints	

Jadual 3 <i>Table 3</i>	: Indeks harga seunit bagi: <i>: Unit price index for:</i>	16
	- Cerucuk keping jenis 'U' / 'U' type sheet piles - Keratan geronggang segiempat sama / Square hollow sections - Keratan geronggang segiempat tepat / Rectangular hollow sections - Rasuk semesta / Universal beams - Gelegar keluli guling / Rolled steel joists - Sesiku sama / Equal angles - Sesiku tak sama / Unequal angles - Sesalur 'U' / 'U' channels - Sesalur bibir / Lipped channels	
Nota teknikal <i>Technical notes</i>		21
Lampiran A <i>Appendix A</i>	Jadual faktor pelarasan (indeks tanpa bar keluli) <i>Adjustment factor table (index without steel bars)</i>	25
Lampiran B <i>Appendix B</i>	Jadual faktor pelarasan (indeks termasuk bar keluli) <i>Adjustment factor table (index with steel bars)</i>	26
Lampiran C <i>Appendix C</i>	Contoh mengira indeks lama IKB (Julai 2012=100) dengan menggunakan indeks baru IKB (Julai 2017=100) <i>Example for calculating the old BCI (July 2012=100) using the new index BCI</i>	27
Lampiran D <i>Appendix D</i>	Sasaran Tarikh Pengumuman Siaran Khas 2 (Untuk Kerja-kerja Pembinaan Bangunan dan Struktur), Semenanjung Malaysia, 2023 <i>Scheduled Release Dates for Special Release 2 (For Building and Structural Works), Peninsular Malaysia, 2023</i>	28

RINGKASAN PENEMUAN

SUMMARY OF FINDINGS

Muka surat ini sengaja dibiarkan kosong.

This page is deliberately left blank.

INDEKS KOS BAHAN BINAAN, (JULAI 2017=100) JULAI 2023

SEMENANJUNG MALAYSIA

Indeks Kos Bahan Binaan (IKB) (tanpa bar keluli & termasuk bar keluli) bagi semua kategori bangunan di semua kawasan **Semenanjung Malaysia** merekodkan peningkatan di antara **0.1** dan **3.8** peratus pada Julai 2023 berbanding pada bulan sebelumnya.

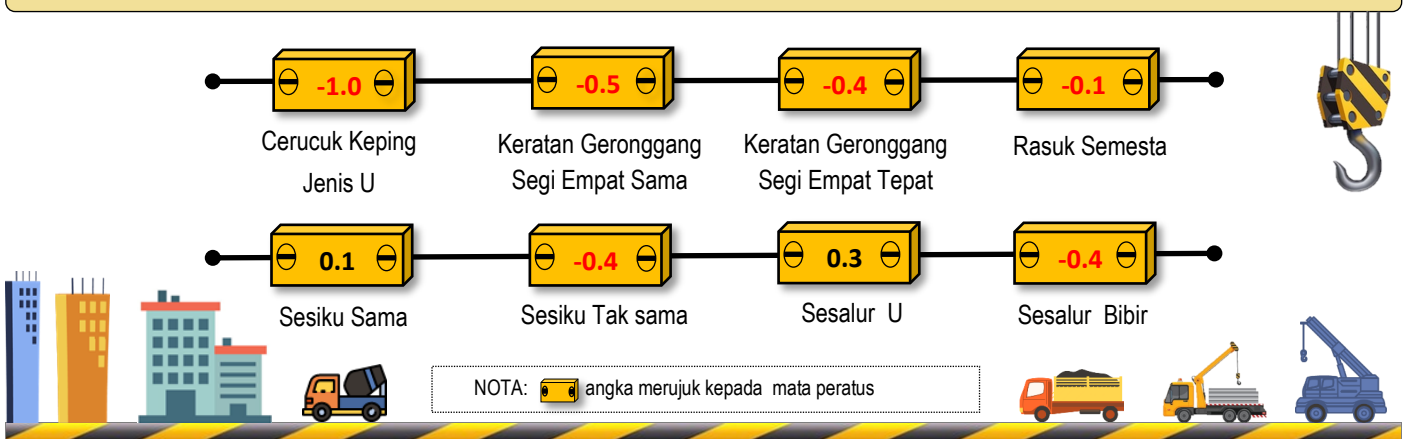


PERUBAHAN PERATUS BULAN KE BULAN INDEKS HARGA SEUNIT BAHAN BINAAN

KAWASAN A	KAWASAN B	KAWASAN C
Besi : -0.8% Bahan Kerja Paip : -0.1% Lengkapan Kebersihan : 0.1% Simen : 0.2% Bahan siling : 0.4% Pasir : 0.5% Batu Bata & Dinding : 0.8% Cat : 0.9% Batu Baur : 1.4% Jubin Lantai & Dinding : 2.5% Kayu : 3.9%	Keratan Keluli & Logam : -4.0% Besi : -3.9% Simen : -0.2% Bahan Bumbung : 0.3% Batu Baur : 1.1% Jubin Lantai & Dinding : 3.3%	Besi : -1.8% Keratan Keluli & Logam : -0.2% Simen : 0.1% Batu Bata & Dinding : 0.1% Batu Baur : 0.2% Pasir : 0.2% Bahan Kerja Paip : 0.2% Bahan Siling : 0.8% Jubin Lantai & Dinding : 1.6%
KAWASAN D	KAWASAN E	KAWASAN F
Kaca : -3.0% Bahan Kerja Paip : -2.3% Simen : -1.7% Batu Bata & Dinding : -0.6% Cat : -0.6% Besi : 0.2% Bahan Bumbung : 0.3% Pasir : 0.8% Batu Baur : 1.1%	Batu Bata & Dinding : 1.0% Lengkapan Kebersihan : 3.7%	Besi : -0.5% Cat : -0.1% Jubin Lantai & Dinding : 1.4% Simen : 1.7% Kaca : 2.0%

NOTA: Kawasan A: Pulau Pinang, Kedah dan Perlis | B: Perak | C: Selangor, Wilayah Persekutuan Kuala Lumpur, Melaka dan Negeri Sembilan | D: Johor | E: Pahang | F: Kelantan dan Terengganu

PERUBAHAN PERATUS BULAN KE BULAN INDEKS HARGA SEUNIT KELULI STRUKTUR



BUILDING MATERIAL COST INDEX, (JULY 2017=100) JULY 2023

PENINSULAR MALAYSIA

The Building Material Cost Index (without steel bars & with steel bars) for all building categories in all region **Peninsular Malaysia** recorded an increase between **0.1** and **3.8** per cent in July 2023 as compared to the previous month.



MONTH ON MONTH CHANGES ON UNIT PRICE INDICES OF BUILDING MATERIALS



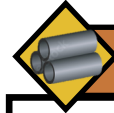
REGION A

Steel : **-0.8%**
Plumbing Materials : **-0.1%**
Sanitary Fittings : **0.1%**
Cement : **0.2%**
Ceiling Materials : **0.4%**
Sand : **0.5%**
Bricks and Wall : **0.8%**
Paints : **0.9%**
Aggregates : **1.4%**
Floor & Wall Tiles : **2.5%**
Timber : **3.9%**



REGION B

Steel & Metal Sections : **-4.0%**
Steel : **-3.9%**
Cement : **-0.2%**
Roofing Materials : **0.3%**
Aggregates : **1.1%**
Floor & Wall Tiles : **3.3%**



REGION C

Steel : **-1.8%**
Steel & Metal Sections : **-0.2%**
Cement : **0.1%**
Bricks and Wall : **0.1%**
Aggregates : **0.2%**
Sand : **0.2%**
Plumbing Materials : **0.2%**
Ceiling Materials : **0.8%**
Floor & Wall Tiles : **1.6%**



REGION D

Glass : **-3.0%**
Plumbing Materials : **-2.3%**
Cement : **-1.7%**
Bricks and Wall : **-0.6%**
Paints : **-0.6%**
Steel : **0.2%**
Roofing Materials : **0.3%**
Sand : **0.8%**
Aggregates : **1.1%**



REGION E

Bricks and Wall : **1.0%**
Sanitary Fittings : **3.7%**

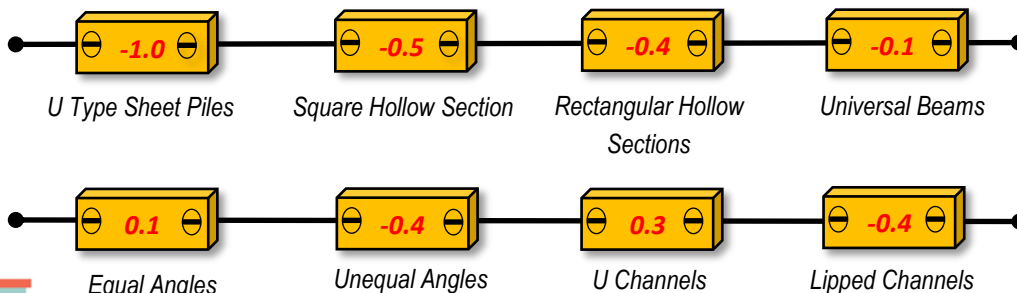


REGION F

Steel : **-0.5%**
Paints : **-0.1%**
Floor & Wall Tiles : **1.4%**
Cement : **1.7%**
Glass : **2.0%**

NOTE: Region A: Pulau Pinang, Kedah dan Perlis | B: Perak | C: Selangor, Wilayah Persekutuan Kuala Lumpur, Melaka dan Negeri Sembilan | D: Johor | E: Pahang | F: Kelantan dan Terengganu

MONTH ON MONTH CHANGES ON UNIT PRICE INDICES OF STRUCTURAL STEEL



NOTE: figures refer to percentage points

JADUAL
TABLE

Muka surat ini sengaja dibiarkan kosong.

This page is deliberately left blank.

Jadual 1A: Indeks kos bahan binaan bangunan mengikut kategori bangunan dan kawasan (tanpa bar keluli)

Table 1A: Building materials cost index by category of building and region (without steel bars)

(Julai 2017=100)

(July 2017=100)

Kategori Bangunan <i>Category of Building</i>	Tempoh <i>Period</i>	Kawasan <i>Region</i>					
		A	B	C	D	E	F
1.A.1 Bangunan (K.T.) Satu Tingkat <i>Single - Storey (R.C.) Building</i>	2022 Jul	117.9	115.5	112.5	105.5	117.6	116.9
	Ogos	117.2	114.1	112.1	105.4	117.2	117.2
	Sep	116.4	113.0	111.5	105.2	117.5	117.1
	Okt	116.0	112.3	111.3	105.6	116.8	117.1
	Nov	117.2	113.3	112.0	105.7	117.5	118.2
	Dis	118.2	113.7	113.0	106.2	118.5	119.2
	2023 Jan	119.4 ^r	114.4 ^r	114.5	107.0	119.6 ^r	120.5
	Feb	120.9	115.9	116.0	108.0	121.0	122.4
	Mac	122.5	117.1	117.3	108.6	122.5	123.4
	Apr	122.7	117.2	117.3	110.1	122.8	124.0
	Mei	124.0	117.8	117.7	111.3	123.0	125.0
	Jun	124.5	118.6	117.7	111.3	123.4	125.6
	Jul	125.3	118.4	117.9	110.6	123.7	126.5
1.A.2 Bangunan (K.T.) 2-4 Tingkat (Berbumbung Rata) <i>2-4 Storey (R.C.) Building (Flat Roof)</i>	2022 Jul	119.2	112.6	112.8	105.2	114.6	115.1
	Ogos	118.3	111.0	112.3	105.2	114.2	115.1
	Sep	117.2	109.6	111.5	105.0	114.4	114.7
	Okt	116.6	108.5	111.1	105.3	113.5	114.4
	Nov	118.2	109.7	111.9	105.5	114.3	115.7
	Dis	119.6	110.5	113.5	105.9	115.6	117.2
	2023 Jan	121.2 ^r	111.5 ^r	115.2	106.4	117.2 ^r	118.9
	Feb	123.2	112.7	116.6	107.1	118.9	121.1
	Mac	124.6	113.7	118.2	107.6	120.7	122.2
	Apr	124.7	113.7	118.3	109.2	121.0	123.0
	Mei	126.3	114.2	118.6	110.5	120.7	124.2
	Jun	126.8	114.6	118.7	110.4	120.9	125.0
	Jul	127.4	114.3	118.8	109.7	121.0	125.9
1.A.3 Bangunan (K.T.) 2-4 Tingkat (Berbumbung Curam) <i>2-4 Storey (R.C.) Building (Pitched Roof)</i>	2022 Jul	119.0	112.6	112.6	105.1	115.2	114.7
	Ogos	118.1	111.0	112.2	105.0	114.9	114.6
	Sep	116.9	109.6	111.3	104.9	115.1	114.2
	Okt	116.2	108.4	110.9	105.1	114.2	113.8
	Nov	118.0	109.8	111.7	105.3	115.0	115.3
	Dis	119.5	110.7	113.5	105.7	116.5	116.9
	2023 Jan	121.5 ^r	111.9	115.5	106.2	118.3 ^r	118.8
	Feb	123.7	113.2	117.1	106.9	120.2	121.3
	Mac	125.3	114.3	118.8	107.4	122.3	122.6
	Apr	125.4	114.3	119.0	109.2	122.5	123.4
	Mei	127.3	115.0	119.6	110.7	122.5	124.9
	Jun	127.9	115.5	119.6	110.7	122.8	125.8
	Jul	128.5	115.3	119.7	109.8	123.0	126.8

Jadual 1A: Indeks kos bahan binaan bangunan mengikut kategori bangunan dan kawasan (tanpa bar keluli) (samb.)
Table 1A: Building materials cost index by category of building and region (without steel bars) (cont'd)

(Julai 2017=100)
 (July 2017=100)

Kategori Bangunan Category of Building	Tempoh Period	Kawasan Region					
		A	B	C	D	E	F
1.A.4 Bangunan (K.T.) 5 Tingkat dan Lebih (Untuk Penginapan) 5 Storey and Above (R.C.) Building (For Accommodation)	2022 Jul	119.6	112.4	112.8	105.3	115.3	113.3
	Ogos	119.0	111.0	112.4	105.3	115.1	113.1
	Sep	117.8	109.7	111.4	105.2	115.3	112.6
	Okt	117.2	108.7	111.1	105.4	114.5	112.1
	Nov	118.8	109.9	111.8	105.5	115.4	113.5
	Dis	120.3	110.7	113.7	105.9	116.8	115.0
	2023 Jan	122.1 ^r	111.8 ^r	115.6	106.5	118.5 ^r	117.0
	Feb	124.2	113.1	117.3	107.0	120.3	119.4
	Mac	125.7	114.0	119.0	107.8	122.4	120.6
	Apr	125.8	114.1	119.2	109.6	122.6	121.5
	Mei	127.7	114.6	119.8	111.2	122.6	122.9
	Jun	128.2	114.8	119.8	111.2	122.8	123.8
	Jul	128.7	114.5	119.9	110.3	123.0	124.6
1.A.5 Bangunan (K.T.) 5 Tingkat dan Lebih (Untuk Pejabat) 5 Storey and Above (R.C.) Building (For Office)	2022 Jul	120.1	113.5	113.6	104.8	115.8	115.9
	Ogos	118.9	111.6	113.1	104.7	115.4	115.9
	Sep	117.6	109.9	112.2	104.6	115.6	115.5
	Okt	116.9	108.6	111.8	105.0	114.5	115.0
	Nov	118.7	110.0	112.6	105.1	115.3	116.5
	Dis	120.3	110.9	114.3	105.6	116.9	118.2
	2023 Jan	122.4 ^r	112.2 ^r	116.3	106.1	118.7	120.3
	Feb	124.7	113.5	117.9	106.9	120.5	122.7
	Mac	126.4	114.7	119.7	107.3	122.6	124.1
	Apr	126.5	114.7	119.8	109.1	122.9	124.9
	Mei	128.5	115.4	120.4	110.6	122.7	126.5
	Jun	129.1	115.9	120.4	110.6	123.0	127.2
	Jul	129.6	115.5	120.6	109.7	123.1	128.3
1.A.6 Bangunan Kayu Timber Building	2022 Jul	114.8	115.3	114.7	114.0	115.7	114.6
	Ogos	111.2	111.6	111.1	110.5	112.1	111.0
	Sep	110.2	110.7	110.2	109.5	111.3	110.0
	Okt	110.2	110.7	110.2	109.6	111.2	110.1
	Nov	112.1	112.6	112.0	111.4	113.1	111.9
	Dis	112.1	112.6	112.1	111.5	113.2	112.0
	2023 Jan	113.5	113.9 ^r	113.5	112.9	114.5 ^r	113.3
	Feb	117.7	118.2	117.8	117.2	118.7	117.6
	Mac	117.9	118.4	117.8	117.3	118.8	117.7
	Apr	118.0	118.4	117.9	117.5	118.9	117.8
	Mei	118.1	119.1	117.8	117.6	119.7	118.5
	Jun	120.5	123.3	117.8	117.6	123.9	122.7
	Jul	124.6	123.3	117.9	117.5	124.0	122.7

Jadual 1A: Indeks kos bahan binaan bangunan mengikut kategori bangunan dan kawasan (tanpa bar keluli) (samb.)
Table 1A: Building materials cost index by category of building and region (without steel bars) (cont'd)

(Julai 2017=100)
 (July 2017=100)

Kategori Bangunan Category of Building	Tempoh Period	Kawasan Region					
		A	B	C	D	E	F
1.A.7 Cerucuk Kayu <i>Timber Piling</i>	2022 Jul	115.1	115.1	115.1	115.1	115.1	115.1
	Ogos	110.9	110.9	110.9	110.9	110.9	110.9
	Sep	109.9	109.9	109.9	109.9	109.9	109.9
	Okt	109.9	109.9	109.9	109.9	109.9	109.9
	Nov	112.0	112.0	112.0	112.0	112.0	112.0
	Dis	112.0	112.0	112.0	112.0	112.0	112.0
	2023 Jan	113.5	113.5	113.5	113.5	113.5	113.5
	Feb	118.2	118.2	118.2	118.2	118.2	118.2
	Mac	118.2	118.2	118.2	118.2	118.2	118.2
	Apr	118.2	118.2	118.2	118.2	118.2	118.2
	Mei	118.2	119.0	118.2	118.2	119.0	119.0
	Jun	121.0	123.9	118.2	118.2	123.9	123.9
	Jul	125.6	123.9	118.2	118.2	123.9	123.9
1.A.8 Cerucuk K.T. <i>R.C. Piling</i>	2022 Jul	121.4	107.7	111.1	105.5	109.6	110.6
	Ogos	119.5	105.6	109.9	104.6	108.6	109.6
	Sep	118.0	104.0	108.7	104.4	108.4	108.6
	Okt	117.2	102.9	108.3	104.4	107.4	107.9
	Nov	119.6	104.8	109.5	105.0	108.5	110.1
	Dis	121.5	106.2	111.3	105.4	110.1	111.9
	2023 Jan	123.9	107.9	113.6	105.9	112.3	114.2
	Feb	127.5	109.7	115.9	107.0	115.1	117.7
	Mac	128.6	110.3	117.9	107.1	117.4	118.9
	Apr	128.6	110.3	117.8	108.4	117.6	119.6
	Mei	130.8	111.2	118.7	109.9	117.9	121.8
	Jun	132.0	112.5	118.8	109.8	119.0	123.4
	Jul	133.5	112.6	118.9	109.2	119.0	124.4

Jadual 1B: Indeks kos bahan binaan bangunan mengikut kategori bangunan dan kawasan (termasuk bar keluli)
Table 1B: Building materials cost index by category of building and region (with steel bars)

(Julai 2017=100)
 (July 2017=100)

Kategori bangunan <i>Category of building</i>	Tempoh <i>Period</i>	Kawasan <i>Region</i>					
		A	B	C	D	E	F
1.B.1 Bangunan (K.T.) Satu Tingkat <i>Single - Storey (R.C.) Building</i>	2022 Jul	121.2	122.8	120.5	110.8	122.0	120.2
	Ogos	119.8	119.8	119.9	110.7	121.3	119.8
	Sep	117.9	117.6	119.2	110.6	121.5	119.8
	Okt	117.7	115.8	119.0	110.9	121.0	118.5
	Nov	118.5	116.5	119.0	110.5	120.2	118.5
	Dis	119.2	116.7	119.2	110.6	120.8	119.3
	2023 Jan	120.7 ^f	118.5	120.1	111.4	121.7 ^f	121.1
	Feb	122.0	121.2	122.6	112.0	123.5	123.6
	Mac	124.4	123.3	123.4	112.5	124.7	123.8
	Apr	124.7	123.5	123.5	114.1	125.3	124.6
	Mei	125.6	124.1	123.6	115.0	125.1	124.9
	Jun	125.1	124.3	123.4	115.0	125.0	125.3
	Jul	125.4	122.8	122.9	114.5	125.2	125.8
1.B.2 Bangunan (K.T.) 2-4 Tingkat (Berbumbung Rata) <i>2-4 Storey (R.C.) Building (Flat Roof)</i>	2022 Jul	124.4	126.8	126.6	114.6	123.7	121.6
	Ogos	122.2	122.4	125.9	114.6	122.7	120.6
	Sep	119.5	119.2	124.9	114.5	122.8	120.5
	Okt	119.3	116.2	124.7	114.7	122.3	118.0
	Nov	120.1	116.8	124.3	113.9	120.4	117.3
	Dis	120.8	117.2	124.1	113.7	121.0	118.2
	2023 Jan	122.7 ^f	120.0 ^f	124.7	114.2	121.9 ^f	120.7
	Feb	123.9	123.4	127.9	114.6	124.1	123.7
	Mac	127.1	126.0	128.5	114.9	125.5	123.5
	Apr	127.4	126.4	128.7	116.6	126.0	124.4
	Mei	127.9	126.7	128.6	117.3	125.4	124.4
	Jun	126.9	126.5	128.2	117.2	124.8	124.8
	Jul	126.7	123.8	127.1	116.9	124.9	125.0
1.B.3 Bangunan (K.T.) 2-4 Tingkat (Berbumbung Curam) <i>2-4 Storey (R.C.) Building (Pitched Roof)</i>	2022 Jul	123.8	125.3	125.1	113.6	123.2	120.7
	Ogos	121.7	121.3	124.4	113.6	122.3	119.8
	Sep	119.1	118.2	123.5	113.5	122.4	119.6
	Okt	118.8	115.4	123.2	113.6	121.8	117.3
	Nov	119.7	116.2	123.0	113.0	120.2	116.9
	Dis	120.6	116.7	123.0	112.8	121.0	117.9
	2023 Jan	122.7 ^f	119.4	123.9	113.4	122.1 ^f	120.5
	Feb	124.2	122.6	127.0	113.8	124.4	123.6
	Mac	127.2	125.1	127.8	114.1	125.9	123.6
	Apr	127.5	125.5	128.0	115.8	126.5	124.5
	Mei	128.4	125.9	128.1	116.7	126.0	124.8
	Jun	127.5	125.8	127.8	116.7	125.6	125.2
	Jul	127.5	123.4	126.8	116.3	125.7	125.6

Jadual 1B: Indeks kos bahan binaan bangunan mengikut kategori bangunan dan kawasan (termasuk bar keluli) (samb.)
Table 1B: Building materials cost index by category of building and region (with steel bars) (cont'd)

(Julai 2017=100)
 (July 2017=100)

Kategori bangunan <i>Category of building</i>	Tempoh <i>Period</i>	Kawasan <i>Region</i>					
		A	B	C	D	E	F
1.B.4 Bangunan (K.T.) 5 Tingkat dan Lebih (Untuk Penginapan) <i>5 Storey and Above (R.C.) Building (For Accommodation)</i>	2022 Jul	125.0	127.7	127.6	115.3	124.8	121.1
	Ogos	122.9	123.3	126.9	115.4	123.8	120.0
	Sep	120.1	120.0	125.9	115.3	123.9	119.8
	Okt	119.8	116.9	125.6	115.4	123.4	117.1
	Nov	120.5	117.4	125.2	114.6	121.4	116.3
	Dis	121.2	117.8	124.9	114.3	122.0	117.1
	2023 Jan	123.2	120.8	125.6	114.9	122.9	119.9
	Feb	124.5	124.4	129.1	115.2	125.2	123.1
	Mac	127.8	127.0	129.7	115.5	126.7	122.8
	Apr	128.2	127.5	129.9	117.3	127.3	123.8
	Mei	128.8	127.8	129.9	118.2	126.8	123.7
	Jun	127.6	127.4	129.5	118.1	126.1	124.1
	Jul	127.4	124.6	128.3	117.8	126.2	124.3
1.B.5 Bangunan (K.T.) 5 Tingkat dan Lebih (Untuk Pejabat) <i>5 Storey and Above (R.C.) Building (For Office)</i>	2022 Jul	125.2	128.2	128.0	115.1	125.0	122.5
	Ogos	122.8	123.6	127.3	115.0	123.9	121.4
	Sep	119.9	120.1	126.3	115.0	124.0	121.3
	Okt	119.6	116.9	126.0	115.2	123.5	118.6
	Nov	120.5	117.5	125.6	114.4	121.4	117.9
	Dis	121.2	118.0	125.3	114.1	122.0	118.8
	2023 Jan	123.4 ^r	121.0 ^r	126.0	114.7	123.0	121.6
	Feb	124.8	124.6	129.3	115.1	125.3	124.8
	Mac	128.1	127.4	130.0	115.3	126.8	124.6
	Apr	128.5	127.9	130.2	117.1	127.4	125.5
	Mei	129.2	128.2	130.2	117.8	126.9	125.6
	Jun	128.1	128.0	129.8	117.8	126.2	125.9
	Jul	127.8	125.1	128.7	117.5	126.2	126.2
1.B.6 Bangunan Kayu <i>Timber Building</i>	2022 Jul	114.8	115.3	114.7	114.0	115.7	114.6
	Ogos	111.2	111.6	111.1	110.5	112.1	111.0
	Sep	110.2	110.7	110.2	109.5	111.3	110.0
	Okt	110.2	110.7	110.2	109.6	111.2	110.1
	Nov	112.1	112.6	112.0	111.4	113.1	111.9
	Dis	112.1	112.6	112.1	111.5	113.2	112.0
	2023 Jan	113.5	113.9 ^r	113.5	112.9	114.5 ^r	113.3
	Feb	117.7	118.2	117.8	117.2	118.7	117.6
	Mac	117.9	118.4	117.8	117.3	118.8	117.7
	Apr	118.0	118.4	117.9	117.5	118.9	117.8
	Mei	118.1	119.1	117.8	117.6	119.7	118.5
	Jun	120.5	123.3	117.8	117.6	123.9	122.7
	Jul	124.6	123.3	117.9	117.5	124.0	122.7

Jadual 1B: Indeks kos bahan binaan bangunan mengikut kategori bangunan dan kawasan (termasuk bar keluli) (samb.)
Table 1B: Building materials cost index by category of building and region (with steel bars) (cont'd)

(Julai 2017=100)
 (July 2017=100)

Kategori bangunan <i>Category of building</i>	Tempoh <i>Period</i>	Kawasan <i>Region</i>					
		A	B	C	D	E	F
1.B.7 Cerucuk Kayu <i>Timber Piling</i>	2022 Jul	115.1	115.1	115.1	115.1	115.1	115.1
	Ogos	110.9	110.9	110.9	110.9	110.9	110.9
	Sep	109.9	109.9	109.9	109.9	109.9	109.9
	Okt	109.9	109.9	109.9	109.9	109.9	109.9
	Nov	112.0	112.0	112.0	112.0	112.0	112.0
	Dis	112.0	112.0	112.0	112.0	112.0	112.0
	2023 Jan	113.5	113.5	113.5	113.5	113.5	113.5
	Feb	118.2	118.2	118.2	118.2	118.2	118.2
	Mac	118.2	118.2	118.2	118.2	118.2	118.2
	Apr	118.2	118.2	118.2	118.2	118.2	118.2
	Mei	118.2	119.0	118.2	118.2	119.0	119.0
	Jun	121.0	123.9	118.2	118.2	123.9	123.9
	Jul	125.6	123.9	118.2	118.2	123.9	123.9
1.B.8 Cerucuk K.T. <i>R.C. Piling</i>	2022 Jul	124.1	118.3	120.5	111.5	117.0	116.1
	Ogos	121.7	114.6	119.4	110.8	115.7	114.7
	Sep	119.3	111.9	118.3	110.7	115.6	114.1
	Okt	118.7	109.5	117.9	110.7	114.9	112.1
	Nov	120.4	110.8	118.2	110.6	114.1	112.8
	Dis	121.7	111.8	118.8	110.6	115.2	114.1
	2023 Jan	124.1	114.5	120.2	111.1	116.8	116.8
	Feb	126.7	117.5	123.4	111.9	119.6	120.5
	Mac	129.0	119.3	124.6	112.0	121.4	120.7
	Apr	129.2	119.6	124.7	113.4	121.9	121.5
	Mei	130.5	120.2	125.1	114.4	121.8	122.6
	Jun	130.5	120.8	124.9	114.4	122.1	123.7
	Jul	131.3	119.2	124.3	114.1	122.1	124.3

Jadual 2: Indeks harga seunit bagi simen, besi, batu bata & dinding, kaca, batu baur, bahan siling, bahan bumbung, kayu, papan lapis,engkapan kebersihan, jubin lantai & dinding, bahan kerja paip, keratan keluli & logam, pasir dan cat

Table 2: Unit price index for cement, steel, bricks & wall, glass, aggregates, ceiling materials, roofing materials, timber, plywood, sanitary fittings, floor & wall tiles, plumbing materials, steel & metal sections, sand and paints

(Julai 2017=100)
(July 2017=100)

Bahan Item			Tempoh Period	Kawasan Region					
				A	B	C	D	E	F
Bahan Binaan									
Building Materials									
2.1	Simen Cement	2022	Jul	119.9	103.2	112.9	102.9	113.0	110.1
			Ogos	118.0	100.9	112.9	102.9	113.0	109.8
		Sep	115.1	98.7	111.2	102.9	113.0	108.1	
		Okt	113.1	96.4	110.2	102.9	110.7	106.5	
		Nov	117.4	99.8	112.1	102.9	112.2	110.4	
		Dis	121.9	103.1	116.4	102.9	115.9	114.6	
		2023	Jan	126.7	106.2	121.0	102.9	120.2	119.1
			Feb	132.1	107.7	122.8	102.9	123.7	124.3
		Mac	134.6	109.3	127.5	102.9	128.3	126.8	
		Apr	134.6	109.3	127.8	105.2	128.3	127.9	
		Mei	140.0	111.4	130.1	108.5	128.3	132.7	
		Jun	141.3	111.9	130.2	108.5	128.3	133.9	
		Jul	141.6	111.7	130.3	106.7	128.3	136.3	
		2.2	Besi Steel	2022	Jul	130.7	143.9	143.3	126.0
Ogos	127.0				136.3	142.3	126.0	133.0	127.2
Sep	122.4			130.9	141.3	126.0	133.0	127.4	
Okt	122.5			125.6	141.1	126.0	133.0	122.4	
Nov	122.3			125.4	139.3	124.2	127.8	119.4	
Dis	122.2			125.4	136.8	123.1	127.6	119.4	
2023	Jan			124.4	130.4	136.3	123.8	127.6	123.0
	Feb			124.9	136.3	141.5	123.8	130.4	127.0
Mac	130.0			140.9	140.9	123.8	131.2	125.1	
Apr	130.7			141.8	141.3	125.5	132.2	126.2	
Mei	129.9			141.8	140.6	125.5	131.2	124.5	
Jun	127.0			140.9	139.7	125.5	129.6	124.5	
Jul	125.9			135.3	137.2	125.7	129.6	123.9	
2.3	Batu Bata & Dinding Bricks & Wall			2022	Jul	120.7	113.3	114.6	109.7
		Ogos	122.8		113.0	113.8	110.9	113.1	114.0
		Sep	122.4	113.2	111.8	110.4	113.5	114.2	
		Okt	122.8	113.2	111.9	110.2	114.3	114.4	
		Nov	122.9	113.2	112.2	110.7	116.9	114.4	
		Dis	123.2	113.6	116.3	111.7	117.3	114.7	
		2023	Jan	123.2	113.8	117.0	113.2	119.3	116.3
			Feb	123.1	113.8	119.3	113.5	121.7	118.8
		Mac	126.7	115.2	119.7	116.8	123.9	119.2	
		Apr	126.9	115.4	120.2	121.4	123.9	122.3	
		Mei	128.6	116.6	120.9	126.0	124.7	123.6	
		Jun	128.6	116.2	121.1	126.2	124.7	126.0	
		Jul	129.6	116.2	121.3	125.5	125.9	126.0	

Jadual 2: Indeks harga seunit bagi simen, besi, batu bata & dinding, kaca, batu baur, bahan siling, bahan bumbung, kayu, papan lapis,engkapan kebersihan, jubin lantai & dinding, bahan kerja paip, keratan keluli & logam, pasir dan cat (samb.)

Table 2: Unit price index for cement, steel, bricks & wall, glass, aggregates, ceiling materials, roofing materials, timber, plywood, sanitary fittings, floor & wall tiles, plumbing materials, steel & metal sections, sand and paints (cont'd)

(Julai 2017=100)

(July 2017=100)

Bahan Item			Tempoh Period		Kawasan Region						
					A	B	C	D	E	F	
Bahan Binaan											
Building Materials											
2.4	Kaca Glass	2022	Jul	118.8	120.2	134.4	106.3	105.1	127.7		
			Ogos	118.0	121.3	137.9	106.3	105.3	131.4		
		Sep	119.5	121.3	141.3	106.3	105.3	131.4			
		Okt	119.5	124.7	141.3	106.2	105.3	131.4			
		Nov	119.5	124.7	142.8	104.9	105.3	131.4			
		Dis	119.5	124.7	143.6	106.2	105.3	131.4			
		2023	Jan	117.4	123.1	144.3	110.3	102.5	131.4		
			Feb	117.4	123.1	144.3	113.1	102.5	131.4		
		Mac	117.4	123.1	144.3	113.9	102.5	131.4			
		Apr	117.4	123.1	144.3	118.3	102.5	131.4			
		Mei	117.4	123.1	144.3	119.0	102.5	131.4			
		Jun	117.4	123.1	144.3	119.5	102.5	131.4			
		Jul	117.4	123.1	144.3	115.9	102.5	134.0			
		2.5	Batu Baur Aggregates	2022	Jul	132.9	101.1	99.4	96.9	96.1	104.7
					Ogos	132.9	101.1	98.9	96.8	96.1	105.0
Sep	132.9			101.1	98.1	97.7	96.1	105.0			
Okt	132.9			101.1	98.1	98.0	96.1	105.0			
Nov	132.9			101.1	97.5	98.6	96.1	105.2			
Dis	132.9			101.1	97.1	101.3	96.1	105.2			
2023	Jan			132.9	101.1	96.5	102.2	96.1	104.8		
	Feb			133.6	101.1	97.9	102.2	96.1	106.5		
Mac	134.4			101.1	99.5	102.4	96.1	106.8			
Apr	134.4			101.2	98.7	103.1	96.1	106.8			
Mei	134.4			101.2	98.4	103.1	96.1	107.2			
Jun	134.4			101.2	98.8	102.6	96.1	107.2			
Jul	136.3			102.3	99.0	103.7	96.1	107.2			
2.6	Bahan Siling Ceiling Materials			2022	Jul	111.5	112.6	120.2	112.6	114.0	108.3
					Ogos	110.6	110.6	119.9	114.2	114.0	108.3
		Sep	109.8	110.6	119.9	115.2	114.0	108.3			
		Okt	109.8	110.6	119.9	117.4	114.0	108.3			
		Nov	109.8	110.6	120.7	117.4	114.0	108.3			
		Dis	109.8	111.6	121.3	117.4	114.0	108.3			
		2023	Jan	110.3	111.7	121.5	118.7	114.0	110.0		
			Feb	112.1	115.1	122.1	120.2	114.0	110.0		
		Mac	113.9	119.3	122.1	120.8	114.0	110.0			
		Apr	117.4	120.1	122.1	125.4	118.0	112.4			
		Mei	117.9	121.0	122.1	129.9	118.0	112.4			
		Jun	118.4	121.0	122.1	130.7	118.0	112.4			
		Jul	118.9	121.0	123.1	130.7	118.0	112.4			

Jadual 2: Indeks harga seunit bagi simen, besi, batu bata & dinding, kaca, batu baur, bahan siling, bahan bumbung, kayu, papan lapis,engkapan kebersihan, jubin lantai & dinding, bahan kerja paip, keratan keluli & logam, pasir dan cat (samb.)

Table 2: Unit price index for cement, steel, bricks & wall, glass, aggregates, ceiling materials, roofing materials, timber, plywood, sanitary fittings, floor & wall tiles, plumbing materials, steel & metal sections, sand and paints (cont'd)

(Julai 2017=100)

(July 2017=100)

Bahan Item			Tempoh Period		Kawasan Region				
					A	B	C	D	E
Bahan Binaan									
Building Materials									
2.7	Bahan Bumbung Roofing Materials	2022	Jul	100.0	115.9	103.1	104.8	117.3	101.3
			Ogos	100.3	115.9	103.2	104.8	117.3	101.3
		Sep	100.3	115.9	103.2	104.1	118.5	101.3	
		Okt	100.3	116.3	103.2	104.1	118.5	101.3	
		Nov	100.3	117.6	103.7	104.0	119.4	101.3	
		Dis	100.5	117.6	100.6	104.2	120.7	101.3	
		2023	Jan	103.2	118.1 ^f	104.5	105.8	120.7 ^f	102.3
			Feb	105.1	118.8	105.6	106.4	121.8	104.6
		Mac	108.8	120.3	105.6	106.4	123.8	104.9	
		Apr	108.8	120.3	105.7	106.4	125.3	105.2	
		Mei	108.8	120.3	105.7	106.5	127.4	105.2	
		Jun	107.8	122.2	105.7	106.8	129.4	104.8	
		Jul	107.8	122.5	105.7	107.2	129.4	104.8	
		2.8.a	Kayu Timber	2022	Jul	115.1	115.1	115.1	115.1
Ogos	110.9				110.9	110.9	110.9	110.9	110.9
Sep	109.9			109.9	109.9	109.9	109.9	109.9	
Okt	109.9			109.9	109.9	109.9	109.9	109.9	
Nov	112.0			112.0	112.0	112.0	112.0	112.0	
Dis	112.0			112.0	112.0	112.0	112.0	112.0	
2023	Jan			113.5	113.5	113.5	113.5	113.5	113.5
	Feb			118.2	118.2	118.2	118.2	118.2	118.2
Mac	118.2			118.2	118.2	118.2	118.2	118.2	
Apr	118.2			118.2	118.2	118.2	118.2	118.2	
Mei	118.2			119.0	118.2	118.2	119.0	119.0	
Jun	121.0			123.9	118.2	118.2	123.9	123.9	
Jul	125.6			123.9	118.2	118.2	123.9	123.9	
2.8.b	Papan Lapis Plywood			2022	Jul	105.7	105.7	105.7	105.7
		Ogos	105.7		105.7	105.7	105.7	105.7	105.7
		Sep	105.7	105.7	105.7	105.7	105.7	105.7	
		Okt	105.7	105.7	105.7	105.7	105.7	105.7	
		Nov	105.7	105.7	105.7	105.7	105.7	105.7	
		Dis	105.7	105.7	105.7	105.7	105.7	105.7	
		2023	Jan	105.7	105.7	105.7	105.7	105.7	105.7
			Feb	105.7	105.7	105.7	105.7	105.7	105.7
		Mac	105.7	105.7	105.7	105.7	105.7	105.7	
		Apr	105.7	105.7	105.7	105.7	105.7	105.7	
		Mei	103.5	103.5	103.5	103.5	103.5	103.5	
		Jun	103.5	103.5	103.5	103.5	103.5	103.5	
		Jul	103.5	103.5	103.5	103.5	103.5	103.5	

Jadual 2: Indeks harga seunit bagi simen, besi, batu bata & dinding, kaca, batu baur, bahan siling, bahan bumbung, kayu, papan lapis,engkapan kebersihan, jubin lantai & dinding, bahan kerja paip, keratan keluli & logam, pasir dan cat (samb.)

Table 2: Unit price index for cement, steel, bricks & wall, glass, aggregates, ceiling materials, roofing materials, timber, plywood, sanitary fittings, floor & wall tiles, plumbing materials, steel & metal sections, sand and paints (cont'd)

(Julai 2017=100)

(July 2017=100)

Bahan Item			Tempoh Period		Kawasan Region							
					A	B	C	D	E	F		
Bahan Binaan												
Building Materials												
2.9	Lengkapan Kebersihan Sanitary Fittings	2022	Jul	103.8	132.9	98.8	100.7	158.8	110.5			
			Ogos	102.7	138.0	98.7	100.2	158.8	110.5			
			Sep	102.7	142.0	98.7	100.0	158.8	110.5			
			Okt	102.7	144.0	98.7	99.6	158.8	111.3			
			Nov	102.7	144.0	98.5	99.5	158.8	112.0			
			Dis	102.7	143.5	99.9	99.9	158.8	112.6			
		2023	Jan	100.6	143.5	100.7	100.4	158.8	110.4			
			Feb	100.6	147.7	100.7	100.4	158.8	110.4			
			Mac	102.2	147.7	100.7	100.4	158.8	110.4			
			Apr	102.3	147.7	100.7	100.9	158.8	110.7			
			Mei	102.5	147.7	100.7	100.9	158.8	110.7			
			Jun	102.6	147.7	100.7	100.9	158.8	110.7			
			Jul	102.7	147.7	100.7	100.9	164.7	110.7			
			2.10	Jubin Lantai & Dinding Floor & Wall Tiles	2022	Jul	106.0	121.6	100.6	100.0	115.9	156.8
						Ogos	106.2	119.6	100.2	100.0	116.2	163.0
Sep	106.2	119.1				100.5	100.0	116.2	168.7			
Okt	106.2	119.1				100.7	100.0	116.2	172.8			
Nov	106.8	119.1				100.7	100.0	116.2	174.1			
Dis	107.3	119.1				100.7	100.0	116.2	174.1			
2023	Jan	107.2 ^f			117.8 ^f	99.9	100.0	116.2 ^f	171.3			
	Feb	102.4			117.2	99.9	100.0	116.2	171.3			
	Mac	103.7			122.0	99.9	100.0	116.2	171.3			
	Apr	103.7			122.0	99.1	100.0	116.2	171.3			
	Mei	104.9			126.6	99.8	100.0	116.2	171.3			
	Jun	104.9			131.1	99.8	100.0	116.2	171.3			
	Jul	107.5			135.4	101.3	100.0	116.2	173.7			
	2.11	Bahan Kerja Paip Plumbing Materials			2022	Jul	122.8	124.5	110.3	100.4	126.0	110.4
						Ogos	123.5	123.9	110.2	99.8	126.0	110.4
Sep			123.5	124.8		110.4	99.8	126.0	109.9			
Okt			123.1	125.0		110.5	99.8	126.0	109.8			
Nov			123.1	125.0		109.7	99.8	126.0	109.8			
Dis			123.1	122.0		110.1	99.9	126.0	109.8			
2023			Jan	122.0	121.0	110.2	99.9	126.0	109.8			
			Feb	122.6	121.9	114.3	101.0	125.7	111.3			
			Mac	121.1	122.1	115.6	101.4	125.7	113.1			
			Apr	121.0	122.1	116.0	105.1	125.7	112.5			
			Mei	121.5	121.4	116.1	105.7	125.7	111.2			
			Jun	121.5	119.1	116.2	105.7	125.7	111.2			
			Jul	121.4	119.2	116.4	103.2	125.7	111.2			

Jadual 2: Indeks harga seunit bagi simen, besi, batu bata & dinding, kaca, batu baur, bahan siling, bahan bumbung, kayu, papan lapis,engkapan kebersihan, jubin lantai & dinding, bahan kerja paip, keratan keluli & logam, pasir dan cat (samb.)

Table 2: Unit price index for cement, steel, bricks & wall, glass, aggregates, ceiling materials, roofing materials, timber, plywood, sanitary fittings, floor & wall tiles, plumbing materials, steel & metal sections, sand and paints (cont'd)

(Julai 2017=100)

(July 2017=100)

Bahan Item			Tempoh Period		Kawasan Region					
					A	B	C	D	E	F
Bahan Binaan										
Building Materials										
2.12	Keratan Keluli & Logam Steel & Metal Sections	2022	Jul	149.2	158.0	138.0	104.6	149.1	152.2	
			Ogos	146.5	151.8	136.3	104.6	147.1	152.2	
			Sep	145.2	145.7	135.3	104.2	148.8	152.2	
			Okt	146.0	141.9	134.8	108.1	146.5	152.2	
			Nov	146.0	141.9	134.9	108.1	146.5	149.6	
			Dis	143.5	138.0	132.8	111.8	146.5	149.6	
			2023	Jan	143.5	138.0	132.0	113.4	146.5	151.3
				Feb	143.8	140.6	134.1	118.7	146.5	151.3
			Mac	148.0	142.3	134.6	119.4	145.6	154.1	
			Apr	148.0	142.3	134.7	123.2	145.6	154.1	
			Mei	148.4	142.2	134.5	124.1	144.7	154.1	
			Jun	147.8	141.8	133.6	123.2	144.7	153.6	
			Jul	147.8	136.1	133.4	123.2	144.7	153.6	
			2.13	Pasir Sand	2022	Jul	145.5	121.2	115.4	105.4
Ogos	145.1	119.8				113.4	105.8	103.0	115.9	
	Sep	144.8			116.2	112.6	105.4	103.0	115.9	
	Okt	145.4			114.4	112.3	105.4	103.0	115.9	
	Nov	145.7			113.8	112.0	105.4	103.0	115.9	
	Dis	145.7			113.8	112.0	106.1	103.0	115.9	
	2023	Jan			145.7	113.8	112.1	106.4	103.0	115.9
		Feb			145.7	113.8	114.5	106.4	105.1	115.9
	Mac	145.8			113.8	112.0	107.7	107.5	115.9	
	Apr	145.8			113.8	111.5	109.6	110.3	118.4	
	Mei	145.8			113.8	112.6	112.2	113.2	119.3	
	Jun	145.8			113.8	112.9	112.2	113.2	119.3	
	Jul	146.5			113.8	113.1	113.2	113.2	119.3	
	2.14	Cat Paints			2022	Jul	117.0	110.4	110.7	113.8
Ogos			119.1	110.1		111.4	115.0	124.6	112.0	
			Sep	119.2	110.1	111.2	114.1	126.0	112.4	
			Okt	119.4	109.9	111.4	114.1	126.4	113.3	
			Nov	119.6	109.9	111.7	114.2	126.4	113.5	
			Dis	119.6	110.0	112.7	114.5	126.4	113.7	
			2023	Jan	120.1	110.1	113.6	116.6	126.4 ^f	114.1
				Feb	119.8	114.3	114.3	115.4	126.4	113.7
			Mac	120.5	114.0	114.8	119.4	127.2	113.8	
			Apr	120.5	114.0	115.2	116.7	127.2	114.0	
			Mei	122.1	114.1	115.3	117.0	128.7	114.2	
			Jun	122.3	113.9	115.4	116.6	128.7	114.2	
			Jul	123.3	113.9	115.4	115.9	128.7	114.1	

Jadual 3: Indeks harga seunit bagi cerucuk keping jenis 'U', keratan geronggang segi empat sama, keratan geronggang segi empat tepat, rasuk semesta, gelegar keluli guling, sesiku sama, sesiku tak sama, sesalur 'U' dan sesalur bibir

Table 3: Unit price index for 'U' type sheet piles, square hollow sections, rectangular hollow sections, universal beams, rolled steel joists, equal angles, unequal angles, 'U' channels and lipped channels

(Julai 2017=100)

(July 2017=100)

Bahan Item		Tempoh Period	Selangor dan Wilayah Persekutuan Kuala Lumpur
Keluli Struktur <i>Structural Steel</i>			
3.1	Cerucuk Keping Jenis U <i>U Type Sheet Piles</i>	2022 Jul	133.1
		Ogos	133.4
		Sep	133.6
		Okt	133.6
		Nov	133.8
		Dis	133.6
		2023 Jan	134.3 ^r
		Feb	134.4
		Mac	134.4
		Apr	134.4
		Mei	134.4
		Jun	134.4
		Jul	133.1
3.2	Keratan Geronggang Segi Empat Sama <i>Square Hollow Sections</i>	2022 Jul	151.3
		Ogos	144.1
		Sep	139.3
		Okt	137.4
		Nov	136.7
		Dis	135.0
		2023 Jan	135.2
		Feb	140.6
		Mac	142.2
		Apr	142.6
		Mei	142.2
		Jun	139.8
		Jul	139.1
3.3	Keratan Geronggang Segi Empat Tepat <i>Rectangular Hollow Sections</i>	2022 Jul	145.7
		Ogos	139.3
		Sep	139.5
		Okt	139.8
		Nov	138.9
		Dis	136.9
		2023 Jan	136.6
		Feb	141.4
		Mac	142.3
		Apr	141.7
		Mei	141.4
		Jun	139.9
		Jul	139.3

Jadual 3: Indeks harga seunit bagi cerucuk keping jenis 'U', keratan geronggang segi empat sama, keratan geronggang segi empat tepat, rasuk semesta, gelegar keluli guling, sesiku sama, sesiku tak sama, sesalur 'U' dan sesalur bibir (samb.)

Table 3: Unit price index for 'U' type sheet piles, square hollow sections, rectangular hollow sections, universal beams, rolled steel joists, equal angles, unequal angles, 'U' channels and lipped channels (cont'd)

(Julai 2017=100)

(July 2017=100)

Bahan Item		Tempoh Period	Selangor dan Wilayah Persekutuan Kuala Lumpur
Keluli Struktur <i>Structural Steel</i>			
3.4	Rasuk Semesta <i>Universal Beams</i>	2022 Jul	134.1
		Ogos	133.4
		Sep	133.6
		Okt	133.8
		Nov	134.1
		Dis	133.1
		2023 Jan	128.9
		Feb	134.8
		Mac	138.0
		Apr	138.4
		Mei	138.6
		Jun	138.0
		Jul	137.8
3.5	Gelegar Keluli Guling <i>Rolled Steel Joists</i>	2022 Jul	136.3
		Ogos	136.3
		Sep	136.3
		Okt	136.3
		Nov	136.3
		Dis	136.3
		2023 Jan	124.4 ¹
		Feb	124.4
		Mac	124.4
		Apr	124.4
		Mei	124.2
		Jun	124.4
		Jul	124.4
3.6	Sesiku Sama <i>Equal Angles</i>	2022 Jul	153.4
		Ogos	149.1
		Sep	148.6
		Okt	148.9
		Nov	149.2
		Dis	145.4
		2023 Jan	140.0
		Feb	140.2
		Mac	140.8
		Apr	140.8
		Mei	140.3
		Jun	140.0
		Jul	140.2

Jadual 3: Indeks harga seunit bagi cerucuk keping jenis 'U', keratan geronggang segi empat sama, keratan geronggang segi empat tepat, rasuk semesta, gelegar keluli guling, sesiku sama, sesiku tak sama, sesalur 'U' dan sesalur bibir (samb.)

Table 3: Unit price index for 'U' type sheet piles, square hollow sections, rectangular hollow sections, universal beams, rolled steel joists, equal angles, unequal angles, 'U' channels and lipped channels (cont'd)

(Julai 2017=100)

(July 2017=100)

Bahan Item		Tempoh Period	Selangor dan Wilayah Persekutuan Kuala Lumpur
Keluli Struktur <i>Structural Steel</i>			
3.7	Sesiku Tak Sama <i>Unequal Angles</i>	2022 Jul	146.3
		Ogos	145.8
		Sep	146.4
		Okt	147.0
		Nov	147.6
		Dis	141.3
		2023 Jan	141.4
		Feb	142.5
		Mac	142.7
		Apr	143.0
		Mei	143.0
		Jun	142.1
		Jul	141.5
3.8	Sesalur U <i>U Channels</i>	2022 Jul	145.9
		Ogos	147.8
		Sep	150.1
		Okt	152.2
		Nov	154.2
		Dis	149.3
		2023 Jan	151.0
		Feb	153.6
		Mac	154.6
		Apr	155.1
		Mei	154.7
		Jun	153.9
		Jul	154.3
3.9	Sesalur Bibir <i>Lipped Channels</i>	2022 Jul	144.2
		Ogos	141.9
		Sep	139.3
		Okt	139.7
		Nov	140.2
		Dis	135.8
		2023 Jan	135.4
		Feb	141.0
		Mac	141.5
		Apr	142.0
		Mei	142.0
		Jun	141.4
		Jul	140.9

NOTA TEKNIKAL
TECHNICAL NOTES

Muka surat ini sengaja dibiarkan kosong.

This page is deliberately left blank.

NOTA TEKNIKAL

1. Indeks Kos Bahan Binaan Bangunan (IKB) adalah suatu indeks yang dibentuk untuk mengukur kadar perubahan purata harga 15 bahan binaan terpilih yang digunakan dalam 8 kategori bangunan untuk 6 Kawasan di Semenanjung Malaysia. IKB dibentuk berasaskan formula *Laspeyres*.
2. IKB digunakan dalam Pelaksanaan Syarat Perubahan Harga dalam kontrak-kontrak kerja bangunan kerajaan sahaja. Spesifikasi dan pemberat untuk 15 bahan binaan terpilih mengikut 8 kategori bangunan disediakan oleh Jabatan Kerja Raya (JKR).
3. Indeks harga yang dilaporkan mengikut 6 kawasan seperti berikut:
 - A = Pulau Pinang, Kedah dan Perlis
 - B = Perak
 - C = Selangor, Wilayah Persekutuan Kuala Lumpur, Melaka dan Negeri Sembilan
 - D = Johor
 - E = Pahang
 - F = Kelantan dan Terengganu
4. Bermula penerbitan Julai 2018, indeks ini berasaskan kepada tahun asas yang ditukar daripada (Julai 2012=100) kepada (Julai 2017=100) serta pemilihan spesifikasi bahan binaan baharu dan pemberat yang dikemaskini oleh JKR.
5. Bagi kontrak-kontrak yang telah ditandatangani sebelum Julai 2018, sila lihat 'Jadual faktor pelarasan' (**Lampiran A dan B**) dan 'Contoh mengira Indeks Lama Kos Bahan Binaan Bangunan' (**Lampiran C**) untuk panduan dalam Pelaksanaan Syarat Perubahan Harga. Bagi kontrak-kontrak mulai Julai 2018 dan seterusnya, indeks baru hendaklah digunakan terus tanpa sebarang pelarasan.

TECHNICAL NOTES

1. *The Building Materials Cost Index (BCI) is an index designed to measure the average rate of change in prices for 15 selected building materials utilized in 8 building categories for 6 regions in Peninsular Malaysia. The BCI is based on the Laspeyres formula.*
2. *The BCI is used in Special Provisions to the Conditions of Contract (Variation of Price) in government building contracts only. The specifications and weightage for 15 selected building materials in 8 building categories are provided by Public Works Department (JKR).*
3. *Prices index reported according to 6 regions as follows:*
 - A = Pulau Pinang, Kedah and Perlis*
 - B = Perak*
 - C = Selangor, Wilayah Persekutuan Kuala Lumpur, Melaka and Negeri Sembilan*
 - D = Johor*
 - E = Pahang*
 - F = Kelantan and Terengganu*
4. *Starting from July 2018 publication, the series is based on the revised base year which has been changed from (July 2012=100) to (July 2017=100) as well as the selection of new building material specifications and weightage updated by JKR.*
5. *For contracts signed before July 2018, please refer to the 'Adjustment factor table' (**Appendix A and B**) and the 'Example for calculating the Old Building Materials Cost Index' (**Appendix C**) 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.*

NOTA TEKNIKAL (samb.)

TECHNICAL NOTES (cont'd)

6. Pengiraan perubahan indeks
- a. IKB mengukur perubahan harga dari suatu tempoh rujukan yang ditetapkan, iaitu (Julai 2017=100).
- b. Pergerakan IKB dari satu bulan ke satu bulan yang lain dinyatakan sebagai perubahan peratus dan bukan perubahan mata indeks (*index points*) kerana perubahan mata indeks dipengaruhi oleh aras indeks yang berkaitan dengan tempoh asasnya, manakala perubahan peratus tidak mempunyai pengaruh sedemikian. Contoh berikut menunjukkan cara pengiraan perubahan peratus mata indeks dan perubahan peratus.

7. Perubahan Mata Indeks

Indeks Kos Bahan Binaan Bangunan	130.5
Tolak indeks sebelumnya	129.3
	<u>1.2</u>

8. Perubahan Peratus

Perubahan mata indeks dibahagi dengan indeks sebelumnya, didarab dengan 100.

$$\frac{130.5 - 129.3}{129.3} \times 100 = 0.9\%$$

6. *Index change calculation*
- a. *The BCI measures price changes from a designated period, i.e. (July 2017=100).*
- b. *Movements of the BCI from one month to another are expressed as percentage changes rather than changes in index points because index point changes are affected by the level of the index in relation to its base period while percentage changes are not. The following example illustrates the computation of index point and percentage changes.*

7. Index Point Change

<i>Building Materials Cost Index</i>	130.5
<i>Less previous index</i>	129.3
	<u>1.2</u>

8.

Percentage Change

Index point difference divided by the previous index, multiplied by 100.

$$\frac{130.5 - 129.3}{129.3} \times 100 = 0.9\%$$

SINGKATAN/SIMBOL

K.T	= Konkrit Bertetulang
n.a	= Tidak diperoleh
r	= Kemaskini

ABBREVIATION/SYMBOLS

R.C	= Reinforced Concrete
n.a	= Not available
r	= Revised

LAMPIRAN

APPENDIX

Muka surat ini sengaja dibiarkan kosong.

This page is deliberately left blank.

Jadual faktor pelarasan (Indeks tanpa bar keluli)
Adjustment factor table (Index without steel bars)

Kategori <i>Category</i>	Faktor pelarasan mengikut kawasan <i>Adjustment factor by region</i>					
	A	B	C	D	E	F
1. Bangunan (K.T.) Satu Tingkat <i>Single Storey (R.C.) Building</i>	1.1339	1.1497	1.1464	1.1360	1.1870	1.1414
2. Bangunan (K.T.) 2–4 Tingkat (Berbumbung Rata) <i>2–4 Storey (R.C) Building (flat roof)</i>	1.1108	1.1326	1.1344	1.1219	1.1775	1.1268
3. Bangunan (K.T.) 2–4 Tingkat (Berbumbung Curam) <i>2–4 Storey (R.C.) Building (Pitched Roof)</i>	1.1152	1.1395	1.1412	1.1285	1.1825	1.1301
4. Bangunan (K.T.) 5 Tingkat dan Lebih (Untuk Penginapan) <i>5 Storey and Above (R.C.) Building (For Accommodation)</i>	1.1070	1.1312	1.1299	1.1191	1.1635	1.1177
5. Bangunan (K.T) 5 tingkat dan lebih (untuk pejabat) <i>5 Storey and above (R.C) Building (for office)</i>	1.1028	1.1291	1.1307	1.1193	1.1958	1.1242
6. Bangunan Kayu <i>Timber Building</i>	1.1973	1.1994	1.1985	1.1971	1.2120	1.1979
7. Cerucuk Kayu <i>Timber Piling</i>	1.2266	1.2266	1.2266	1.2266	1.2266	1.2266
8. Cerucuk (K.T) <i>(R.C.) Piling</i>	1.0648	1.1052	1.1173	1.1167	1.1283	1.0665

Jadual faktor pelarasan (Indeks termasuk bar keluli)
Adjustment factor table (Index with steel bars)

Kategori <i>Category</i>	Faktor pelarasan mengikut kawasan <i>Adjustment factor by region</i>					
	A	B	C	D	E	F
1. Bangunan (K.T.) Satu Tingkat <i>Single Storey (R.C.) Building</i>	1.1028	1.1015	1.0988	1.1223	1.1441	1.1134
2. Bangunan (K.T.) 2–4 Tingkat (Berbumbung Rata) <i>2–4 Storey (R.C.) Building (Flat Roof)</i>	1.0601	1.0490	1.0520	1.0919	1.1020	1.0740
3. Bangunan (K.T.) 2–4 Tingkat (Berbumbung Curam) <i>2–4 Storey (R.C.) Building (Pitched Roof)</i>	1.0699	1.0648	1.0649	1.1040	1.1124	1.0838
4. Bangunan (K.T.) 5 Tingkat dan Lebih (Untuk Penginapan) <i>5 Storey and Above (R.C.) Building (For Accommodation)</i>	1.0559	1.0439	1.0431	1.0875	1.0849	1.0656
5. Bangunan (K.T.) 5 Tingkat dan Lebih (Untuk Pejabat) <i>5 Storey and Above (R.C.) Building (for Office)</i>	1.0529	1.0420	1.0440	1.0866	1.1120	1.0686
6. Bangunan Kayu <i>Timber Building</i>	1.1973	1.1994	1.1985	1.1971	1.2120	1.1979
7. Cerucuk Kayu <i>Timber Piling</i>	1.2266	1.2266	1.2266	1.2266	1.2266	1.2266
8. Cerucuk (K.T.) <i>(R.C.) Piling</i>	1.0442	1.0545	1.0735	1.0554	1.1071	1.0423

**Contoh pengiraan indeks lama IKB
(Julai 2012=100) dengan menggunakan indeks
baru IKB (Julai 2017=100)**

**Example for calculating the old BCI
(July 2012=100) using the new index BCI
(July 2017=100)**

1. Contoh mengira indeks lama (tanpa bar keluli) bagi bulan Julai 2017 untuk kategori Bangunan (K.T) Satu Tingkat bagi kawasan A adalah seperti berikut:

I^j lama Julai 2017 = FP (seperti di **Lampiran A**) x I^j baru Julai 2017

iaitu, indeks lama Julai 2017:

$$\begin{aligned} &= 1.1339 \times 100.0 \\ &= 113.39 \\ &= 113.4 \end{aligned}$$

1. Example for calculating the old index (without steel bars) for the month of July 2017 for Single Storey (R.C) Building in region A is as follows:

Old I^j for July 2017 = AF (as in **Appendix A**) x new I^j for July 2017

i.e. old index for July 2017:

$$\begin{aligned} &= 1.1339 \times 100.0 \\ &= 113.39 \\ &= 113.4 \end{aligned}$$

2. Contoh mengira indeks lama (termasuk bar keluli) bagi bulan Julai 2017 untuk kategori Bangunan Kayu bagi kawasan F adalah seperti berikut:

I^j lama Julai 2017 = FP (seperti di **Lampiran B**) x I^j baru Julai 2017

iaitu, indeks lama Julai 2017:

$$\begin{aligned} &= 1.1979 \times 100.0 \\ &= 119.79 \\ &= 119.8 \end{aligned}$$

di mana,

FP = Faktor Pelarasan

I^j = Indeks bagi kategori bangunan j

j = 1, 8

2. Example for calculating the old index (with steel bars) for the month of July 2017 for Timber Building in region F is as follows:

Old I^j for July 2017 = AF (as in **Appendix B**) x new I^j for July 2017

i.e. old index for July 2017:

$$\begin{aligned} &= 1.1979 \times 100.0 \\ &= 119.79 \\ &= 119.8 \end{aligned}$$

where,

AF = Adjustment Factor

I^j = Index for building category j

j = 1, 8

Sasaran Tarikh Pengumuman Siaran Khas 2
(Untuk Kerja-Kerja Pembinaan Bangunan dan Struktur), Semenanjung Malaysia, 2023
Scheduled Release Dates for Special Release 2
(For Building and Structural Works), Peninsular Malaysia, 2023

Tahun <i>Year</i>	Bulan Rujukan <i>Reference Month</i>	Tahun <i>Year</i>	Tarikh Pengumuman <i>Release Date</i>
2023	Januari <i>January</i>	2023	07 Februari <i>07 February</i>
	Februari <i>February</i>		10 Mac <i>10 March</i>
	Mac <i>March</i>		07 April <i>07 April</i>
	April <i>April</i>		09 Mei <i>09 May</i>
	Mei <i>May</i>		09 Jun <i>09 June</i>
	Jun <i>June</i>		11 Julai <i>11 July</i>
	Julai <i>July</i>		08 Ogos <i>08 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>		08 November <i>08 November</i>
	November <i>November</i>		08 Disember <i>08 December</i>
	Disember <i>December</i>	2024	11 Januari <i>11 January</i>