



JABATAN PERDANA MENTERI
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 2022

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 20 each year. MyStats Day theme is "Connecting the World with Data We Can Trust".

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“Sumber: Jabatan Perangkaan Malaysia”.

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KANDUNGAN

CONTENTS

	Muka Surat <i>Page</i>
Ringkasan penemuan <i>Summary of findings</i>	7
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>	11
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>	14
Jadual 2 : Indeks harga seunit bagi: <i>Table 2</i> : <i>Unit price index for:</i>	17
- 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>	22
	- 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>		27
Lampiran A <i>Appendix A</i>	Jadual faktor pelarasan (indeks tanpa bar keluli) <i>Adjustment factor table (index without steel bars)</i>	31
Lampiran B <i>Appendix B</i>	Jadual faktor pelarasan (indeks termasuk bar keluli) <i>Adjustment factor table (index with steel bars)</i>	32
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 (July 2017=100)</i>	33
Lampiran D <i>Appendix D</i>	Sasaran Tarikh Pengumuman Siaran Khas 2 (Untuk Kerja-kerja Pembinaan Bangunan dan Struktur), Semenanjung Malaysia, 2022 <i>Scheduled Release Dates for Special Release 2 (For Building and Structural Works), Peninsular Malaysia, 2022</i>	34

RINGKASAN PENEMUAN
SUMMARY OF FINDINGS

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INDEKS KOS BAHAN BINAAN BANGUNAN SEMENANJUNG MALAYSIA, (JULAI 2017=100) JULAI 2022

Indeks Kos Bahan Binaan (tanpa bar keluli & termasuk bar keluli) bagi semua kategori bangunan di semua kawasan **Semenanjung Malaysia** merekodkan penurunan (di antara **0.1** dan **1.3** peratus) pada Julai 2022 berbanding pada bulan sebelumnya kecuali bagi bangunan kayu dan cerucuk kayu.

Perubahan Peratus Bulan ke Bulan Indeks Harga Seunit Bahan Binaan

SIMEN Kawasan A : -0.6 mata Kawasan B : -3.0 mata Kawasan C : -1.3 mata Kawasan D : -0.6 mata Kawasan F : -3.4 mata	KAYU Bagi semua kawasan di Semenanjung Malaysia 0.5 mata	JUBIN LANTAI & DINDING Kawasan A : 0.3 mata Kawasan B : 0.5 mata Kawasan C : 0.2 mata Kawasan F : 3.9 mata
BESI Kawasan A : -3.7 mata Kawasan B : -1.6 mata Kawasan C : -0.1 mata Kawasan D : -1.3 mata Kawasan E : -2.6 mata Kawasan F : -0.7 mata	BAHAN BUMBUNG Kawasan C : 1.1 mata	LENGKAPAN KEBERSIHAN Kawasan B : 4.0 mata
BATU BAUR Kawasan B : 2.4 mata Kawasan D : 0.5 mata	BAHAN SILING Kawasan D : 0.3 mata	KACA Kawasan A : 0.7 mata Kawasan C : 2.2 mata Kawasan F : 3.1 mata
PASIR Kawasan A : 0.3 mata Kawasan C : 0.9 mata Kawasan D : -0.8 mata	KERATAN KELULI & LOGAM Kawasan A : -1.2 mata Kawasan B : -1.2 mata Kawasan C : -0.2 mata Kawasan D : -2.1 mata Kawasan E : 1.7 mata Kawasan F : -2.1 mata	CAT Kawasan B : 0.1 mata Kawasan C : -0.3 mata Kawasan E : 2.9 mata Kawasan F : 0.1 mata
BATU BATA & DINDING Kawasan A : 0.7 mata Kawasan B : 0.4 mata Kawasan D : 2.1 mata Kawasan E : 0.5 mata Kawasan F : -0.1 mata	BAHAN KERJA PAIP Kawasan A : 0.2 mata Kawasan B : 0.7 mata Kawasan E : 1.0 mata Kawasan F : -1.7 mata	PAPAN LAPIS Bagi semua kawasan di Semenanjung Malaysia 0.9 mata

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

NOTA: angka merujuk kepada mata peratus

Perbandingan Indeks Harga Seunit bagi semua keluli struktur di Selangor dan W.P. Kuala Lumpur

Cerucuk Keping Jenis 'U'	0.2	Sesiku Sama	-1.3
Keratan Geronggang Segi Empat Sama	-1.5	Sesiku Tak Sama	0.4
Keratan Geronggang Segi Empat Tepat	-0.6	Sesalur U	0.4
Keratan Geronggang Segi Empat Tepat	0.1	Sesalur Bibir	0.3

NOTA: angka merujuk kepada mata peratus

BUILDING MATERIAL COST INDEX PENINSULAR MALAYSIA, (JULY 2017=100) JULY 2022

The Building Material Cost (without steel bars & with steel bars) for all building categories in all region Peninsular Malaysia recorded a decrease between 0.1 and 1.3 per cent in July 2022 as compared to the previous month except for timber building and timber piling.

The Unit Price Indices Of Building Materials That Showed Changes Month To Month

CEMENT Region A : -0.6 points Region B : -3.0 points Region C : -1.3 points Region D : -0.6 points Region F : -3.4 points	TIMBER For all areas in Peninsular Malaysia 0.5 points	FLOOR & WALL TILES Region A : 0.3 points Region B : 0.5 points Region C : 0.2 points Region F : 3.9 points
STEEL Region A : -3.7 points Region B : -1.6 points Region C : -0.1 points Region D : -1.3 points Region E : -2.6 points Region F : -0.7 points	ROOFING MATERIALS Region C : 1.1 points	SANITARY FITTINGS Region B : 4.0 points
AGGREGATES Region B : 2.4 points Region D : 0.5 points	CEILING MATERIALS Region D : 0.3 points	GLASS Region A : 0.7 points Region C : 2.2 points Region F : 3.1 points
SAND Region A : 0.3 points Region C : 0.9 points Region D : -0.8 points	STEEL & METAL SECTIONS Region A : -1.2 points Region B : -1.2 points Region C : -0.2 points Region D : -2.1 points Region E : 1.7 points Region F : -2.1 points	PAINTS Region B : 0.1 points Region C : -0.3 points Region E : 2.9 points Region F : 0.1 points
BRICKS AND WALL Region A : 0.7 points Region B : 0.4 points Region D : 2.1 points Region E : 0.5 points Region F : -0.1 points	PLUMBING MATERIALS Region A : 0.2 points Region B : 0.7 points Region E : 1.0 points Region F : -1.7 points	PLYWOOD For all areas in Peninsular Malaysia 0.9 points

NOTE: Region 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

NOTE: figures refer to percentage points

The unit price indices for all structural steel in Selangor and W.P Kuala Lumpur that showed changes

U Type Sheet Piles	0.2	Equal Steel Joists	-1.3
Square Hollow Sections	-1.5	Unequal Angles	0.4
Rectangular Hollow Sections	-0.6	U Channels	0.4
Universal Beams	0.1	Lipped Channels	0.3

NOTE: figures refer to percentage points

Source: Special Release 2 (For Building and Structural Works), Department of Statistics Malaysia (DOSM)

JADUAL
TABLE

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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>	2021 Jul	108.6	104.8	103.0	100.0	103.8	105.9
	Ogos	109.6	105.6	102.9	100.0	104.3	106.4
	Sep	110.1	106.8	103.3	100.1	105.0	107.0
	Okt	110.4	107.8	103.6	100.1	106.3	107.2
	Nov	111.6	109.1	104.8	100.6	107.7	108.0
	Dis	113.1	110.0	105.9	101.9	109.2	109.2
	2022 Jan	114.1	110.9	106.9	103.2	110.1	111.2
	Feb	114.7	111.6	108.1	104.1	111.2	112.3
	Mac	115.0	112.5	108.9	104.2	111.9	113.3
	Apr	117.2	114.4	111.2	105.1	114.2	116.2
	Mei	117.6	115.4	112.1	105.3	115.9	116.8
	Jun	118.0	115.9	112.5	105.6	116.9	117.5
	Jul	117.9	115.5	112.5	105.5	117.6	116.9
1.A.2 Bangunan (K.T.) 2-4 Tingkat (Berbumbung Rata) <i>2-4 Storey (R.C.) Building (Flat Roof)</i>	2021 Jul	109.1	102.1	103.4	98.5	100.9	104.2
	Ogos	110.3	102.9	103.2	98.5	101.5	104.8
	Sep	110.8	104.4	103.7	98.6	102.0	105.1
	Okt	111.1	105.2	103.9	98.6	103.1	105.3
	Nov	112.2	106.1	105.2	99.3	104.2	106.3
	Dis	113.6	107.0	106.4	100.5	105.5	107.4
	2022 Jan	114.3	107.6	107.1	101.6	106.1	109.1
	Feb	115.4	108.8	108.7	103.1	107.6	110.4
	Mac	115.6	109.4	109.3	103.1	108.1	111.4
	Apr	118.7	112.1	112.1	104.8	111.3	115.2
	Mei	119.0	113.0	112.7	105.0	113.2	115.7
	Jun	119.2	113.4	112.9	105.2	113.9	116.2
	Jul	119.2	112.6	112.8	105.2	114.6	115.1
1.A.3 Bangunan (K.T.) 2-4 Tingkat (Berbumbung Curam) <i>2-4 Storey (R.C.) Building (Pitched Roof)</i>	2021 Jul	109.6	102.5	103.5	99.1	101.6	104.7
	Ogos	110.8	103.2	103.3	99.1	102.3	105.2
	Sep	111.4	104.8	103.8	99.2	102.9	105.6
	Okt	111.6	105.8	104.1	99.2	104.2	105.7
	Nov	112.7	106.8	105.6	99.9	105.5	106.8
	Dis	114.2	107.7	106.7	101.2	106.9	108.0
	2022 Jan	114.9	108.4	107.6	102.3	107.5	109.7
	Feb	115.7	109.3	108.8	103.5	108.7	110.7
	Mac	115.9	109.8	109.4	103.5	109.1	111.6
	Apr	118.6	112.3	111.9	104.7	112.0	115.0
	Mei	118.8	113.2	112.6	104.9	113.9	115.5
	Jun	119.1	113.6	112.9	105.2	114.6	116.0
	Jul	119.0	112.6	112.6	105.1	115.2	114.7

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.4 Bangunan (K.T.) 5 Tingkat dan Lebih (Untuk Penginapan) 5 Storey and Above (R.C.) Building (For Accommodation)	2021 Jul	110.1	102.5	103.4	99.0	101.6	104.4
	Ogos	111.3	103.2	103.3	99.0	102.4	104.9
	Sep	111.8	104.7	103.8	99.1	102.9	105.2
	Okt	112.0	105.5	104.1	99.1	104.1	105.3
	Nov	113.3	106.6	105.6	99.8	105.4	106.4
	Dis	114.8	107.5	106.7	101.1	106.8	107.5
	2022 Jan	115.5	108.3	107.5	102.3	107.5	109.1
	Feb	116.2	109.1	108.8	103.5	108.6	110.0
	Mac	116.4	109.6	109.5	103.5	109.0	110.9
	Apr	119.2	112.1	112.0	104.8	112.0	114.0
	Mei	119.4	113.0	112.7	105.0	113.9	114.3
	Jun	119.7	113.3	113.0	105.3	114.7	114.7
	Jul	119.6	112.4	112.8	105.3	115.3	113.3
1.A.5 Bangunan (K.T.) 5 Tingkat dan Lebih (Untuk Pejabat) 5 Storey and Above (R.C.) Building (For Office)	2021 Jul	110.4	102.9	104.3	99.0	101.5	105.3
	Ogos	111.7	103.9	104.1	99.0	102.1	105.9
	Sep	112.4	105.7	104.6	99.0	102.8	106.3
	Okt	112.6	106.7	104.9	99.1	104.1	106.4
	Nov	113.7	107.7	106.3	99.8	105.5	107.6
	Dis	115.3	108.5	107.5	101.1	106.9	108.8
	2022 Jan	115.9	109.0	108.3	102.2	107.5	110.5
	Feb	116.7	110.0	109.6	103.3	108.8	111.6
	Mac	116.9	110.7	110.4	103.4	109.3	112.7
	Apr	119.8	113.3	112.8	104.7	112.3	116.4
	Mei	120.1	114.2	113.6	104.8	114.4	116.9
	Jun	120.2	114.6	113.9	105.0	115.2	117.4
	Jul	120.1	113.5	113.6	104.8	115.8	115.9
1.A.6 Bangunan Kayu Timber Building	2021 Jul	104.9	105.0	104.3	104.4	105.0	104.8
	Ogos	105.2	105.2	104.4	104.5	105.3	105.0
	Sep	105.2	105.3	104.5	104.6	105.4	105.1
	Okt	105.2	105.4	104.5	104.6	105.6	105.1
	Nov	105.4	105.6	104.6	104.6	105.8	105.1
	Dis	106.8	107.0	106.0	106.1	107.3	106.5
	2022 Jan	110.6	110.8	109.8	109.9	111.1	110.3
	Feb	111.0	111.2	110.4	110.4	111.6	110.8
	Mac	111.0	111.4	110.5	110.4	111.6	110.9
	Apr	112.4	112.8	112.0	111.6	113.0	112.3
	Mei	112.9	113.4	112.7	112.1	113.6	112.7
	Jun	114.2	114.7	114.1	113.5	115.1	114.1
	Jul	114.8	115.3	114.7	114.0	115.7	114.6

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 <i>Category of Building</i>	Tempoh <i>Period</i>	Kawasan <i>Region</i>					
		A	B	C	D	E	F
1.A.7 Cerucuk Kayu <i>Timber Piling</i>	2021 Jul	104.9	104.9	104.9	104.9	104.9	104.9
	Ogos	105.1	105.1	105.1	105.1	105.1	105.1
	Sep	105.1	105.1	105.1	105.1	105.1	105.1
	Okt	105.1	105.1	105.1	105.1	105.1	105.1
	Nov	105.1	105.1	105.1	105.1	105.1	105.1
	Dis	106.6	106.6	106.6	106.6	106.6	106.6
	2022 Jan	110.8	110.8	110.8	110.8	110.8	110.8
	Feb	111.1	111.1	111.1	111.1	111.1	111.1
	Mac	111.1	111.1	111.1	111.1	111.1	111.1
	Apr	112.4	112.4	112.4	112.4	112.4	112.4
	Mei	113.0	113.0	113.0	113.0	113.0	113.0
	Jun	114.5	114.5	114.5	114.5	114.5	114.5
	Jul	115.1	115.1	115.1	115.1	115.1	115.1
1.A.8 Cerucuk K.T. <i>R.C. Piling</i>	2021 Jul	109.7	99.8	103.3	99.8	99.7	102.4
	Ogos	111.5	99.9	103.2	99.9	100.8	102.6
	Sep	112.2	101.4	103.7	99.9	100.8	102.6
	Okt	112.8	102.0	103.9	99.9	101.7	102.6
	Nov	114.1	102.3	105.2	100.7	102.6	103.8
	Dis	115.7	103.0	106.4	101.6	103.4	105.4
	2022 Jan	116.9	104.0	107.8	103.0	104.4	107.1
	Feb	117.4	104.6	108.3	103.9	105.0	107.7
	Mac	117.7	104.7	108.7	103.9	105.0	108.2
	Apr	120.3	106.9	110.5	104.9	107.2	111.0
	Mei	120.9	107.9	111.0	105.1	109.0	111.4
	Jun	121.4	108.5	111.4	105.5	109.3	112.1
	Jul	121.4	107.7	111.1	105.5	109.6	110.6

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.)</i> <i>Building</i>	2021 Jul	112.9	112.2	105.3	101.6	109.9	109.5
	Ogos	113.7	113.8	105.2	101.6	110.3	110.1
	Sep	114.1	114.8	106.0	101.7	110.9	110.7
	Okt	114.3	116.7	106.9	101.7	111.9	110.8
	Nov	115.2	117.6	108.8 ^r	102.6	113.0	111.4
	Dis	116.4	118.3	110.7 ^r	104.9	114.1	112.3
	2022 Jan	117.2	119.0	112.9 ^r	106.4	114.8	113.8
	Feb	118.5	119.8	115.6	109.8	117.2	115.2
	Mac	119.0	121.2	117.1	110.2	117.6	116.6
	Apr	121.9	122.7	119.4	110.9	120.0	119.5
	Mei	122.3	123.4	120.2	111.1	121.7	120.3
	Jun	122.6	123.7	120.5	111.3	122.5	120.8
	Jul	121.2	122.8	120.5	110.8	122.0	120.2
1.B.2 Bangunan (K.T.) 2-4 Tingkat (Berbumbung Rata) <i>2-4 Storey (R.C.)</i> <i>Building (Flat Roof)</i>	2021 Jul	116.5	116.3	107.1	102.0	112.9	111.3
	Ogos	117.2	118.4	107.0	102.0	113.2	112.0
	Sep	117.5	119.4	108.2	102.1	113.6	112.4
	Okt	117.6	121.9	109.5	102.1	114.2	112.4
	Nov	118.3	122.4	112.0 ^r	103.3	115.0	113.0
	Dis	119.2	122.9	114.7 ^r	106.3	115.7	113.7
	2022 Jan	119.5	123.2	117.5 ^r	107.9	116.0	114.6
	Feb	121.7	124.4	121.6	113.4	119.6	116.4
	Mac	122.3	126.0	123.4	114.1	119.9	117.9
	Apr	126.1	127.6	126.1	115.1	122.8	121.5
	Mei	126.6	128.1	126.6	115.2	124.6	122.3
	Jun	126.7	128.2	126.7	115.4	125.0	122.6
	Jul	124.4	126.8	126.6	114.6	123.7	121.6
1.B.3 Bangunan (K.T.) 2-4 Tingkat (Berbumbung Curam) <i>2-4 Storey (R.C.)</i> <i>Building (Pitched Roof)</i>	2021 Jul	116.0	115.1	106.8	102.0	112.1	110.9
	Ogos	116.8	117.0	106.7	102.0	112.6	111.6
	Sep	117.1	118.1	107.9	102.1	113.0	111.9
	Okt	117.3	120.6	109.0	102.1	113.8	112.0
	Nov	118.0	121.2	111.5 ^r	103.3	114.7	112.7
	Dis	119.0	121.7	114.0 ^r	106.2	115.5	113.4
	2022 Jan	119.4	122.1	116.7 ^r	107.7	115.9	114.4
	Feb	121.2	123.2	120.3	112.6	119.1	116.0
	Mac	121.8	124.7	122.1	113.3	119.3	117.4
	Apr	125.3	126.1	124.6	114.0	122.0	120.8
	Mei	125.8	126.7	125.1	114.2	123.9	121.5
	Jun	125.9	126.9	125.3	114.3	124.3	121.8
	Jul	123.8	125.3	125.1	113.6	123.2	120.7

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.4 Bangunan (K.T.) 5 Tingkat dan Lebih (Untuk Penginapan) <i>5 Storey and Above (R.C.) Building (For Accommodation)</i>	2021 Jul	117.5	117.5	107.4	102.5	114.1	111.9
	Ogos	118.2	119.7	107.3	102.5	114.5	112.6
	Sep	118.5	120.6	108.6	102.6	114.9	112.9
	Okt	118.6	123.3	110.0	102.6	115.6	113.0
	Nov	119.3	123.8	112.7 ^r	103.9	116.4	113.6
	Dis	120.2	124.3	115.5 ^r	107.1	117.1	114.2
	2022 Jan	120.5	124.7	118.4 ^r	108.7	117.4	115.0
	Feb	122.6	125.7	122.6	114.4	121.0	116.6
	Mac	123.3	127.4	124.5	115.2	121.2	118.1
	Apr	126.9	128.7	127.1	115.9	124.0	121.4
	Mei	127.4	129.1	127.6	116.0	125.8	122.1
	Jun	127.5	129.3	127.7	116.1	126.2	122.3
	Jul	125.0	127.7	127.6	115.3	124.8	121.1
1.B.5 Bangunan (K.T.) 5 Tingkat dan Lebih (Untuk Pejabat) <i>5 Storey and Above (R.C.) Building (For Office)</i>	2021 Jul	117.7	117.8	107.8	102.5	114.1	112.3
	Ogos	118.4	120.1	107.7	102.5	114.4	113.2
	Sep	118.8	121.1	109.0	102.6	114.9	113.5
	Okt	118.9	123.9	110.4	102.6	115.6	113.6
	Nov	119.5	124.4	113.1 ^r	103.9	116.5	114.2
	Dis	120.4	124.8	115.9 ^r	107.1	117.2	114.8
	2022 Jan	120.7	125.1	118.8 ^r	108.6	117.5	115.7
	Feb	122.8	126.2	123.0	114.3	121.1	117.4
	Mac	123.5	128.0	125.0	115.1	121.4	119.1
	Apr	127.3	129.3	127.5	115.8	124.1	122.6
	Mei	127.7	129.8	128.0	115.9	126.1	123.4
	Jun	127.8	130.0	128.2	116.0	126.5	123.7
	Jul	125.2	128.2	128.0	115.1	125.0	122.5
1.B.6 Bangunan Kayu <i>Timber Building</i>	2021 Jul	104.9	105.0	104.3	104.4	105.0	104.8
	Ogos	105.2	105.2	104.4	104.5	105.3	105.0
	Sep	105.2	105.3	104.5	104.6	105.4	105.1
	Okt	105.2	105.4	104.5	104.6	105.6	105.1
	Nov	105.4	105.6	104.6 ^r	104.6	105.8	105.1
	Dis	106.8	107.0	106.0 ^r	106.1	107.3	106.5
	2022 Jan	110.6	110.8	109.8 ^r	109.9	111.1	110.3
	Feb	111.0	111.2	110.4	110.4	111.6	110.8
	Mac	111.0	111.4	110.5	110.4	111.6	110.9
	Apr	112.4	112.8	112.0	111.6	113.0	112.3
	Mei	112.9	113.4	112.7	112.1	113.6	112.7
	Jun	114.2	114.7	114.1	113.5	115.1	114.1
	Jul	114.8	115.3	114.7	114.0	115.7	114.6

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.7 Cerucuk Kayu <i>Timber Piling</i>	2021 Jul	104.9	104.9	104.9	104.9	104.9	104.9
	Ogos	105.1	105.1	105.1	105.1	105.1	105.1
	Sep	105.1	105.1	105.1	105.1	105.1	105.1
	Okt	105.1	105.1	105.1	105.1	105.1	105.1
	Nov	105.1	105.1	105.1 ^f	105.1	105.1	105.1
	Dis	106.6	106.6	106.6 ^f	106.6	106.6	106.6
	2022 Jan	110.8	110.8	110.8 ^f	110.8	110.8	110.8
	Feb	111.1	111.1	111.1	111.1	111.1	111.1
	Mac	111.1	111.1	111.1	111.1	111.1	111.1
	Apr	112.4	112.4	112.4	112.4	112.4	112.4
	Mei	113.0	113.0	113.0	113.0	113.0	113.0
	Jun	114.5	114.5	114.5	114.5	114.5	114.5
	Jul	115.1	115.1	115.1	115.1	115.1	115.1
1.B.8 Cerucuk K.T. <i>R.C. Piling</i>	2021 Jul	114.3	109.7	105.7	101.7	107.8	107.5
	Ogos	115.6	110.8	105.6	101.8	108.6	107.9
	Sep	116.1	112.0	106.6	101.8	108.7	108.0
	Okt	116.5	113.7	107.5	101.8	109.4	108.0
	Nov	117.5	114.0	109.6 ^f	102.9	110.0	108.9
	Dis	118.7	114.5	111.7 ^f	105.1	110.6	110.0
	2022 Jan	119.5	115.2	114.3 ^f	106.7	111.4	111.3
	Feb	120.9	116.0	116.8	110.3	113.6	112.4
	Mac	121.4	116.9	118.0	110.8	113.6	113.3
	Apr	124.7	118.5	120.1	111.6	115.9	116.3
	Mei	125.3	119.1	120.5	111.7	117.6	117.0
	Jun	125.6	119.6	120.8	112.0	117.9	117.4
	Jul	124.1	118.3	120.5	111.5	117.0	116.1

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	2021	Jul	110.8	96.7	105.9	100.6	98.9	104.2
			Ogos	112.9	96.7	105.4	100.6	101.5	104.6
		Sep	113.8	100.3	106.5	100.6	101.5	104.6	
		Okt	113.8	101.5	106.9	100.6	103.5	104.6	
		Nov	115.3	102.3	109.7	102.4	105.4	107.3	
		Dis	117.5	102.9	111.2	103.2	106.4	109.0	
		2022	Jan	117.7	102.9	111.9	103.5	106.4	110.0
			Feb	117.7	102.9	111.9	103.5	106.4	110.1
			Mac	117.7	102.9	112.4	103.5	106.4	110.4
			Apr	120.5	105.2	113.9	103.5	109.3	114.0
			Mei	120.7	106.4	114.3	103.5	113.0	114.0
			Jun	120.7	106.4	114.3	103.5	113.0	114.0
			Jul	119.9	103.2	112.9	102.9	113.0	110.1
2.2	Besi Steel	2021	Jul	125.4	133.6	111.6	106.3	127.5	119.9
			Ogos	125.5	137.2	111.6	106.3	127.5	120.8
		Sep	125.5	137.5	113.7	106.3	127.8	121.2	
		Okt	125.5	142.2	116.2	106.3	127.8	121.2	
		Nov	125.6	142.2	120.2 ^f	108.2	128.0	121.3	
		Dis	125.9	142.2	124.7 ^f	113.5	128.0	121.3	
		2022	Jan	125.9	142.2	130.0 ^f	119.8 ^f	128.0	121.3
			Feb	129.3	143.4	137.2	125.9	134.2	123.6
			Mac	130.5	146.3	140.5	127.5	134.2	125.8
			Apr	135.1	146.3	143.1	127.7	136.7	129.2
			Mei	135.9	146.3	143.4	127.7	138.5	130.4
			Jun	135.8	146.2	143.4	127.7	138.5	130.4
			Jul	130.7	143.9	143.3	126.0	134.8	129.4
2.3	Batu Bata & Dinding Bricks & Wall	2021	Jul	114.6	102.6	102.6	94.6	102.7	108.5
			Ogos	115.4	103.4	102.7	94.6	104.1	109.0
		Sep	115.8	103.4	103.2	95.2	104.7	109.5	
		Okt	115.9	103.6	103.4	95.3	105.3	109.9	
		Nov	116.2	104.8	105.3	95.3	106.1	110.2	
		Dis	116.4	108.7	106.6	97.8	107.3	111.2	
		2022	Jan	116.9	111.9	107.3	102.6	108.1	111.6
			Feb	116.9	112.1	109.0	104.3	108.1	111.6
			Mac	116.9	112.5	110.4	104.3	108.4	113.7
			Apr	119.1	112.6	113.9	104.8	111.8	113.9
			Mei	119.4	112.8	114.6	106.2	111.8	114.1
			Jun	119.9	112.8	114.6	107.5	112.1	114.1
			Jul	120.7	113.3	114.6	109.7	112.7	114.0

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
Bahan Binaan Building Materials									
2.4	Kaca Glass	2021	Jul	96.0	109.3	111.6	98.7	101.9	112.8
			Ogos	96.0	109.3	111.6	98.7	101.9	115.1
		Sep	96.0	109.3	111.6	98.7	101.9	119.5	
		Okt	96.0	109.3	111.6	98.7	101.9	121.0	
		Nov	99.4	109.3	115.1	98.7	101.9	121.1	
		Dis	103.2	110.1	118.6	100.1	101.9	121.4	
		2022	Jan	105.7	110.1	122.8	104.1	103.6	121.4
			Feb	105.7	110.1	124.8	105.6	105.1	123.8
		Mac	108.7	113.2	127.3	106.1	105.1	123.8	
		Apr	112.5	115.1	131.5	106.1	105.1	123.8	
		Mei	115.1	118.7	131.5	106.2	105.1	123.8	
		Jun	118.0	120.2	131.5	106.3	105.1	123.8	
		Jul	118.8	120.2	134.4	106.3	105.1	127.7	
2.5	Batu Baur Aggregates	2021	Jul	109.2	96.8	95.0	93.7	96.1	100.8
			Ogos	115.2	96.8	95.3	93.7	96.1	100.8
		Sep	116.6	97.2	95.3	93.7	96.1	100.8	
		Okt	119.8	97.2	95.9	93.7	96.1	100.8	
		Nov	122.9	97.2	95.9	93.7	96.1	100.8	
		Dis	124.5	97.2	95.9	93.9	96.1	104.2	
		2022	Jan	124.5	97.2	96.6	95.9	96.1	104.2
			Feb	124.5	97.2	97.4	96.0	96.1	104.2
		Mac	125.5	97.2	98.2	96.0	96.1	104.7	
		Apr	129.1	97.2	99.3	96.0	96.1	104.7	
		Mei	131.7	97.2	99.3	96.4	96.1	104.7	
		Jun	132.9	98.7	99.4	96.4	96.1	104.7	
		Jul	132.9	101.1	99.4	96.9	96.1	104.7	
2.6	Bahan Siling Ceiling Materials	2021	Jul	106.6	104.8	98.3	104.7	105.7	103.8
			Ogos	106.8	104.8	98.1	104.7	105.7	103.8
		Sep	107.6	104.8	100.3	105.9	105.7	103.8	
		Okt	107.8	104.8	100.6	106.4	105.7	103.8	
		Nov	107.9	104.8	100.9	106.4	109.8	103.8	
		Dis	108.5	105.4	100.9	109.6	112.0	103.8	
		2022	Jan	110.2	105.4	101.8	111.4	114.0	103.8
			Feb	110.4	105.4	105.8	111.9	114.0	105.4
		Mac	110.8	109.4	108.9	111.9	114.0	106.4	
		Apr	111.0	110.2	113.0	111.9	114.0	108.3	
		Mei	111.5	112.6	117.0	112.0	114.0	108.3	
		Jun	111.5	112.6	120.2	112.3	114.0	108.3	
		Jul	111.5	112.6	120.2	112.6	114.0	108.3	

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 (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									
2.7	Bahan Bumbung Roofing Materials	2021	Jul	98.4	105.9	94.5	102.5	106.8	100.4
			Ogos	98.8	105.9	94.3	102.5	106.8	100.4
			Sep	99.3	105.9	94.2	102.5	110.7	100.7
			Okt	99.3	108.8	94.2	102.5	113.9	100.7
			Nov	99.5	110.8	94.6	102.5	117.3	100.7
			Dis	100.0	112.2	94.8	104.2	117.3	100.7
		2022	Jan	100.0	113.4	96.6	104.5	117.3	100.9
			Feb	100.0	113.4	95.7	104.6	117.3	100.9
			Mac	100.0	114.5	96.5	104.7	117.3	100.9
			Apr	100.0	115.9	99.4	104.7	117.3	101.3
			Mei	100.0	115.9	101.3	104.7	117.3	101.3
			Jun	100.0	115.9	102.0	104.9	117.3	101.3
			Jul	100.0	115.9	103.1	104.8	117.3	101.3
2.8.a	Kayu Timber	2021	Jul	104.9	104.9	104.9	104.9	104.9	104.9
			Ogos	105.1	105.1	105.1	105.1	105.1	105.1
			Sep	105.1	105.1	105.1	105.1	105.1	105.1
			Okt	105.1	105.1	105.1	105.1	105.1	105.1
			Nov	105.1	105.1	105.1	105.1	105.1	105.1
			Dis	106.6	106.6	106.6	106.6	106.6	106.6
		2022	Jan	110.8	110.8	110.8	110.8	110.8	110.8
			Feb	111.1	111.1	111.1	111.1	111.1	111.1
			Mac	111.1	111.1	111.1	111.1	111.1	111.1
			Apr	112.4	112.4	112.4	112.4	112.4	112.4
			Mei	113.0	113.0	113.0	113.0	113.0	113.0
			Jun	114.5	114.5	114.5	114.5	114.5	114.5
			Jul	115.1	115.1	115.1	115.1	115.1	115.1
2.8.b	Papan Lapis Plywood	2021	Jul	93.8	93.8	93.8	93.8	93.8	93.8
			Ogos	93.8	93.8	93.8	93.8	93.8	93.8
			Sep	93.8	93.8	93.8	93.8	93.8	93.8
			Okt	93.8	93.8	93.8	93.8	93.8	93.8
			Nov	93.8	93.8	93.8	93.8	93.8	93.8
			Dis	94.5	94.5	94.5	94.5	94.5	94.5
		2022	Jan	94.5	94.5	94.5	94.5	94.5	94.5
			Feb	98.7	98.7	98.7	98.7	98.7	98.7
			Mac	98.7	98.7	98.7	98.7	98.7	98.7
			Apr	104.8	104.8	104.8	104.8	104.8	104.8
			Mei	104.8	104.8	104.8	104.8	104.8	104.8
			Jun	104.8	104.8	104.8	104.8	104.8	104.8
			Jul	105.7	105.7	105.7	105.7	105.7	105.7

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	2021	Jul	101.0	113.7	96.2	100.1	135.5	102.0
			Ogos	101.1	113.3	96.2	100.1	144.0	102.0
			Sep	101.2	113.3	96.2	100.1	142.9	102.0
			Okt	101.3	114.0	96.4	100.1	147.7	102.3
			Nov	101.4	117.9	96.6	100.1	152.4	102.3
			Dis	101.6	122.1	96.6	100.3	152.4	105.0
		2022	Jan	102.3	126.1	96.6	100.6	152.4	107.2
			Feb	102.3	126.1	98.6	100.6	152.4	107.2
			Mac	102.5	126.3	98.6	100.6	152.4	107.2
			Apr	103.6	126.7	98.6	100.6	152.4	108.7
			Mei	103.7	127.8	98.8	100.7	155.6	109.3
			Jun	103.8	127.8	98.8	100.7	158.8	110.5
			Jul	103.8	132.9	98.8	100.7	158.8	110.5
2.10	Jubin Lantai & Dinding Floor & Wall Tiles	2021	Jul	100.8	108.3	98.5	100.0	107.1	114.0
			Ogos	101.4	108.3	98.1	100.0	107.1	110.5
			Sep	101.6	109.7	98.1	100.0	107.1	114.6
			Okt	101.6	110.5	98.4	100.0	108.6	116.2
			Nov	102.1	112.4	98.5	100.0	109.3	117.0
			Dis	102.1	113.8	98.6	100.0	112.0	120.7
		2022	Jan	104.5	115.4	98.8	100.0	112.0	127.2
			Feb	104.6	116.4	98.8	100.0	114.4	130.7
			Mac	104.9	117.8	99.1	100.0	114.8	135.3
			Apr	105.1	118.6	99.3	100.0	115.0	139.6
			Mei	105.3	119.9	100.2	100.0	115.5	145.1
			Jun	105.7	121.0	100.4	100.0	115.9	150.8
			Jul	106.0	121.6	100.6	100.0	115.9	156.8
2.11	Bahan Kerja Paip Plumbing Materials	2021	Jul	115.3	113.2	101.0	98.5	109.1	105.7
			Ogos	115.1	113.8	101.1	98.5	108.7	105.9
			Sep	115.7	114.3	101.1	98.5	109.4	106.1
			Okt	115.7	115.2	101.8	98.5	110.7	106.1
			Nov	118.7	118.9	102.8	98.5	113.3	106.7
			Dis	119.7	118.9	103.6	99.2	117.5	108.9
		2022	Jan	120.7	119.5	104.6	100.3	120.0	112.0
			Feb	120.7	119.3	105.6	100.3	120.8	112.0
			Mac	121.1	120.2	106.8	100.4	120.8	112.2
			Apr	121.6	122.6	108.0	100.4	121.7	112.3
			Mei	122.0	123.3	109.7	100.4	123.4	112.3
			Jun	122.6	123.6	110.4	100.4	124.8	112.3
			Jul	122.8	124.5	110.3	100.4	126.0	110.4

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	F
Bahan Binaan Building Materials									
2.12	Keratan Keluli & Logam Steel & Metal Sections	2021	Jul	137.2	131.5	124.4	96.4	114.3	131.2
			Ogos	140.0	141.4	124.2	96.3	108.5	137.7
			Sep	141.4	144.1	124.5	96.6	114.3	138.5
			Okt	142.9	148.0	124.5	96.8	117.0	138.5
			Nov	142.9	150.9	124.9	96.8	119.2	138.5
			Dis	145.7	151.4	127.3	100.4	123.0	138.5
		2022	Jan	146.1	152.2	128.5	105.0	124.9	143.7
			Feb	146.4	152.7	131.7	105.8	128.6	143.7
			Mac	146.9	156.5	134.0	106.2	132.4	148.5
			Apr	151.0	157.3	136.1	106.2	136.6	155.4
			Mei	151.0	158.0	137.5	106.4	141.0	155.4
			Jun	151.0	159.8	138.2	106.9	146.6	155.4
			Jul	149.2	158.0	138.0	104.6	149.1	152.2
2.13	Pasir Sand	2021	Jul	134.8	112.3	110.0	99.4	102.3	100.4
			Ogos	136.1	112.3	109.6	99.4	102.3	100.4
			Sep	137.1	112.3	109.6	99.4	102.3	100.4
			Okt	138.7	112.3	109.6	99.4	102.3	100.4
			Nov	142.3	112.3	111.0	99.4	102.3	100.4
			Dis	142.3	112.3	111.5	101.3	102.3	100.4
		2022	Jan	143.2	112.3	112.2	101.8	103.0	104.2
			Feb	143.2	113.2	111.2	104.6	103.0	104.2
			Mac	144.4	114.0	111.9	104.6	103.0	106.6
			Apr	144.7	116.5	112.5	105.1	103.0	109.1
			Mei	145.0	119.8	113.8	105.6	103.0	112.6
			Jun	145.0	121.2	114.4	106.3	103.0	115.9
			Jul	145.5	121.2	115.4	105.4	103.0	115.9
2.14	Cat Paints	2021	Jul	105.4	105.0	101.6	110.8	104.2	105.5
			Ogos	105.4	105.0	101.8	110.8	104.0	106.3
			Sep	105.4	105.8	102.3	110.8	104.0	107.0
			Okt	105.4	106.1	103.4	110.8	104.2	107.5
			Nov	109.0	108.1	105.2	110.8	104.2	107.6
			Dis	112.9	108.1	106.1	112.6	106.8	107.7
		2022	Jan	115.2	108.8	106.7	112.6	108.5	110.0
			Feb	115.3	108.7	107.6	112.9	108.5	110.9
			Mac	115.6	108.7	108.3	113.2	112.4	111.2
			Apr	115.8	108.8	109.0	113.3	115.0	111.8
			Mei	115.9	110.1	110.7	113.7	117.8	111.8
			Jun	117.0	110.3	111.0	113.8	121.1	111.9
			Jul	117.0	110.4	110.7	113.8	124.6	112.0

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>	2021 Jul	129.7
		Ogos	129.7
		Sep	129.7
		Okt	129.7
		Nov	129.7
		Dis	131.0
		2022 Jan	131.0
		Feb	131.6
		Mac	132.3
		Apr	132.5
		Mei	132.7
		Jun	132.9
		Jul	133.1
3.2	Keratan Geronggang Segi Empat Sama <i>Square Hollow Sections</i>	2021 Jul	135.7
		Ogos	135.7
		Sep	135.7
		Okt	135.7
		Nov	135.7
		Dis	139.8
		2022 Jan	142.8
		Feb	145.2
		Mac	146.7
		Apr	149.8
		Mei	152.3
		Jun	153.6
		Jul	151.3
3.3	Keratan Geronggang Segi Empat Tepat <i>Rectangular Hollow Sections</i>	2021 Jul	129.0
		Ogos	129.0
		Sep	129.0
		Okt	129.0
		Nov	129.0
		Dis	132.3
		2022 Jan	133.4
		Feb	135.4
		Mac	138.3
		Apr	141.7
		Mei	144.3
		Jun	146.5
		Jul	145.7

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>	2021 Jul	118.2
		Ogos	118.2
		Sep	118.2
		Okt	118.2
		Nov	118.2
		Dis	118.2
		2022 Jan	118.2
		Feb	123.3
		Mac	126.8
		Apr	128.4
		Mei	133.8
		Jun	133.9
		Jul	134.1
3.5	Gelegar Keluli Guling <i>Rolled Steel Joists</i>	2021 Jul	136.3
		Ogos	136.3
		Sep	136.3
		Okt	136.3
		Nov	136.3
		Dis	136.3
		2022 Jan	136.3
		Feb	136.3
		Mac	136.3
		Apr	136.3
		Mei	136.3
		Jun	136.3
		Jul	136.3
3.6	Sesiku Sama <i>Equal Angles</i>	2021 Jul	129.2
		Ogos	129.2
		Sep	129.2
		Okt	129.2
		Nov	129.2
		Dis	129.7
		2022 Jan	140.0
		Feb	143.1
		Mac	148.3
		Apr	155.3
		Mei	155.6
		Jun	155.4
		Jul	153.4

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>	2021 Jul	131.8
		Ogos	131.8
		Sep	131.8
		Okt	131.8
		Nov	131.8
		Dis	135.1
		2022 Jan	135.1
		Feb	137.8
		Mac	140.9
		Apr	142.2
		Mei	144.0
		Jun	145.7
		Jul	146.3
3.8	Sesalur U <i>U Channels</i>	2021 Jul	124.3
		Ogos	124.3
		Sep	124.3
		Okt	124.3
		Nov	124.3
		Dis	128.1
		2022 Jan	129.3
		Feb	139.2
		Mac	142.1
		Apr	144.4
		Mei	144.8
		Jun	145.3
		Jul	145.9
3.9	Sesalur Bibir <i>Lipped Channels</i>	2021 Jul	124.5
		Ogos	124.5
		Sep	124.5
		Okt	124.5
		Nov	124.5
		Dis	128.3
		2022 Jan	129.4
		Feb	138.3
		Mac	139.7
		Apr	142.7
		Mei	143.2
		Jun	143.7
		Jul	144.2

NOTA TEKNIKAL
TECHNICAL NOTES

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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

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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, 2022
Scheduled Release Dates for Special Release 2
(For Building and Structural Works), Peninsular 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 June</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>		09 November <i>09 November</i>
	November <i>November</i>		08 Disember <i>08 December</i>
	Disember <i>December</i>	2023	09 Januari <i>09 January</i>