



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)

NOVEMBER
NOVEMBER

2023

Pemakluman

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

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

Kerajaan Malaysia telah mengisytiharkan Hari Statistik Negara (MyStats Day) pada 20 Oktober setiap tahun. Tema sambutan MyStats Day adalah "Statistik Nadi Kehidupan".

Announcement

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

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

The Government of Malaysia has declared National Statistics Day (MyStats Day) on October 20th each year. MyStats Day theme is "Statistics is the Essence of Life".

JABATAN PERANGKAAN MALAYSIA
DEPARTMENT OF STATISTICS MALAYSIA

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“Sumber: Jabatan Perangkaan Malaysia”.

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RINGKASAN PENEMUAN

SUMMARY OF FINDINGS

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INDEKS KOS BAHAN BINAAN, (JULAI 2017=100) NOVEMBER 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 **1.2** peratus pada November 2023 berbanding pada bulan sebelumnya.

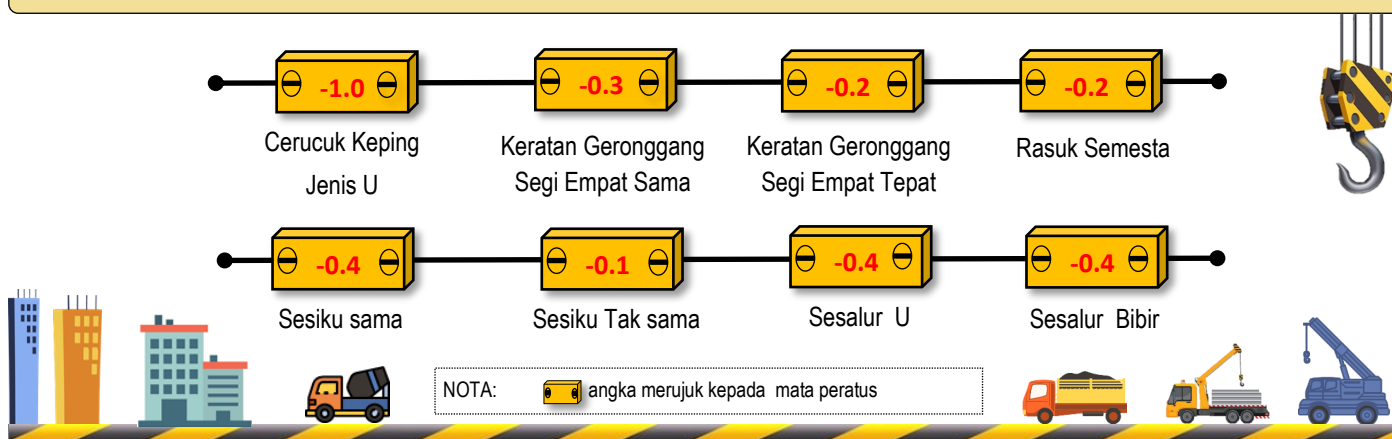


PERUBAHAN PERATUS BULAN KE BULAN INDEKS HARGA SEUNIT BAHAN BINAAN

 KAWASAN A	 KAWASAN B	 KAWASAN C
Batu Baur : 0.2% Batu Bata & Dinding : 0.2% Pasir : 0.3% Besi : 0.4% Papan lapis : 0.5% Keratan Keluli & Logam : 0.6%	Cat : -0.7% Bahan Kerja Paip : -0.3% Keratan Keluli & Logam : 0.5% Papan Lapis : 0.5% Pasir : 1.0% Besi : 2.0% Batu Bata & Dinding : 2.3% Lengkapan Kebersihan : 4.0%	Bahan Kerja Paip : -0.9% Kayu : -0.5% Cat : -0.3% Keratan Keluli dan Logam : -0.2% Besi : 0.1% Simen : 0.2% Batu Baur : 0.3% Pasir : 0.3% Batu Bata & Dinding : 0.5%
 KAWASAN D	 KAWASAN E	 KAWASAN F
Pasir : -0.4% Batu Bata & Dinding : -0.1% Papan Lapis : 0.5% Simen : 1.0% Batu Baur : 1.0% Bahan Bumbung : 1.6%	Lengkapan Kebersihan : 0.4% Papan Lapis : 0.5%	Simen : -1.6% Kayu : -0.5% Cat : -0.4% Keratan Keluli dan Logam : -0.3% Papan Lapis : 0.5% Batu Baur : 0.7% Jubin Lantai & Dinding : 0.9% Besi : 1.8%

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



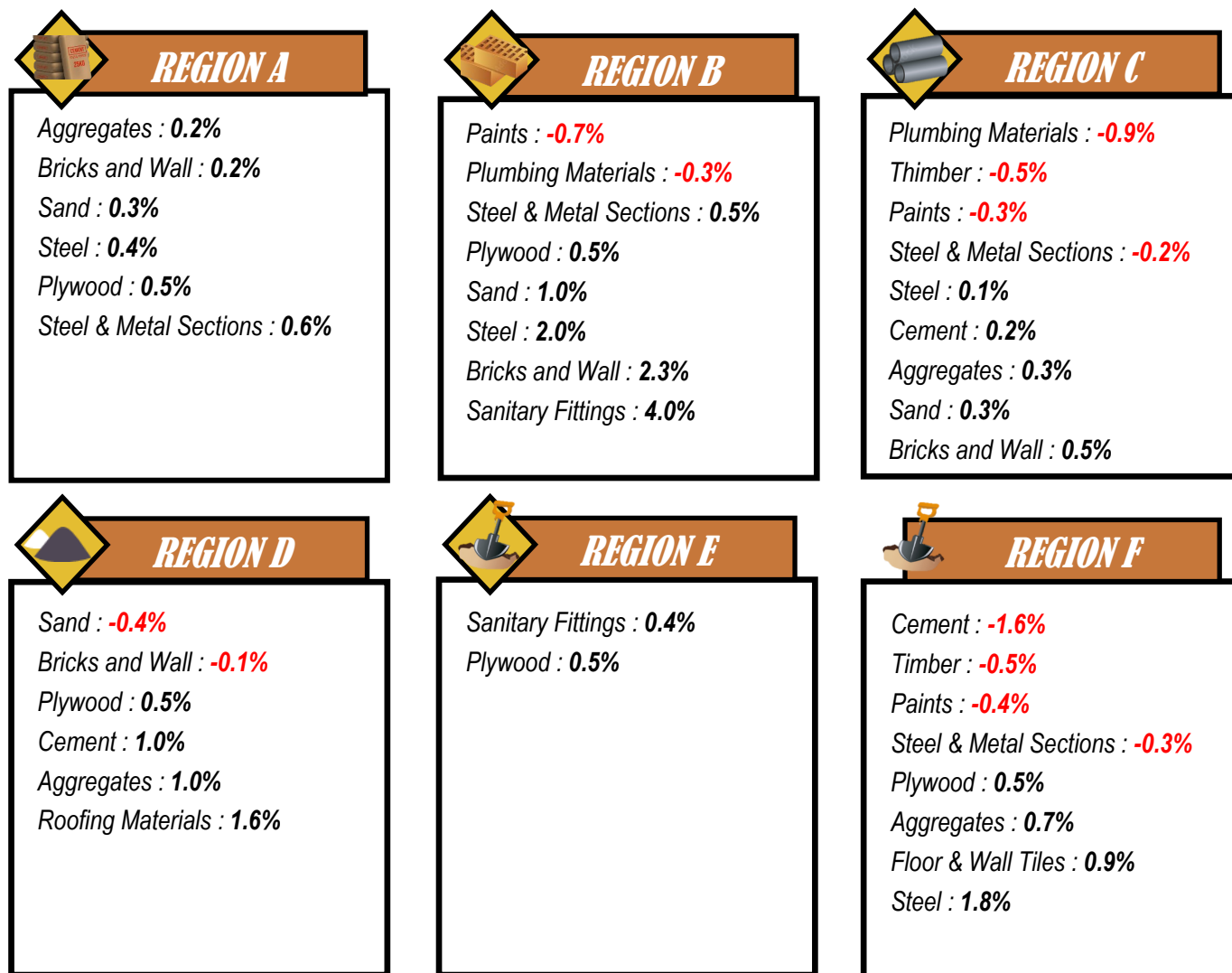
BUILDING MATERIAL COST INDEX, (JULY 2017=100) NOVEMBER 2023

PENINSULAR MALAYSIA

The Building Material Cost Index (without steel bars & with steel bars) for all building categories in all region **Peninsular Malaysia** recorded a increase between **0.1** and **1.2** per cent in November 2023 as compared to the previous month.

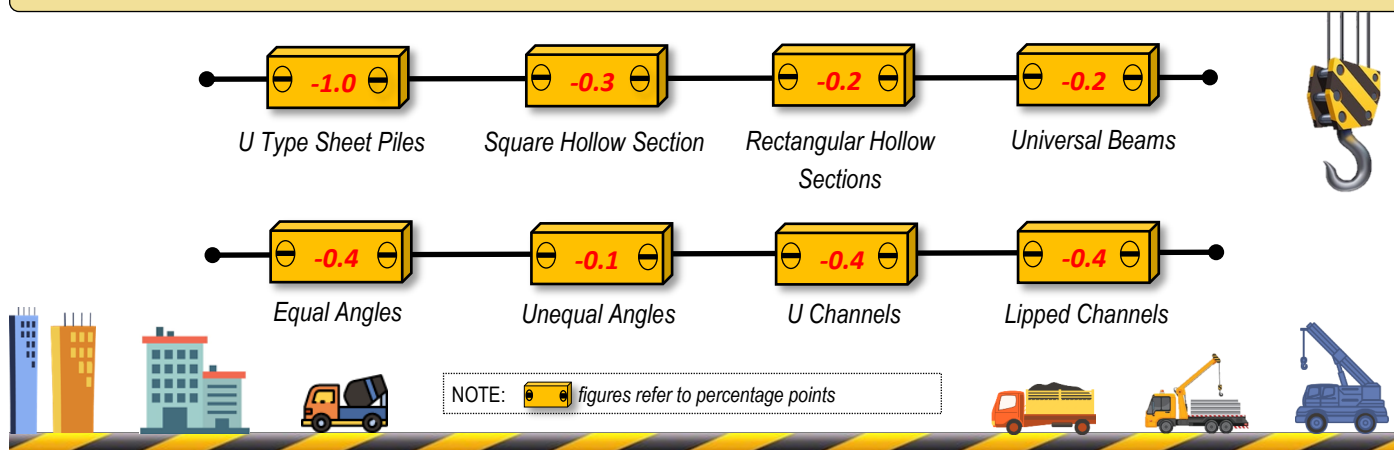


MONTH ON MONTH CHANGES ON UNIT PRICE INDICES OF BUILDING MATERIALS



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



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>	2022 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 ^f	114.4 ^f	114.5	107.0	119.6 ^f	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
	Ogos	125.6	119.1	118.4	110.8	124.2	126.9
	Sep	126.3	120.1	118.9	111.2	124.8	127.5
	Okt	126.3	120.2	118.8	111.0	124.8	127.8
	Nov	126.4	120.7	118.8	111.4	124.9	127.4
1.A.2 Bangunan (K.T.) 2-4 Tingkat (Berbumbung Rata) <i>2-4 Storey (R.C.) Building (Flat Roof)</i>	2022 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 ^f	111.5 ^f	115.2	106.4	117.2 ^f	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
	Ogos	128.1	115.1	119.7	110.6	121.8	126.7
	Sep	129.4	116.3	120.7	111.5	122.8	127.9
	Okt	129.3	116.4	120.6	111.1	122.8	128.3
	Nov	129.6	116.8	120.8	111.6	123.0	127.6
1.A.3 Bangunan (K.T.) 2-4 Tingkat (Berbumbung Curam) <i>2-4 Storey (R.C.) Building (Pitched Roof)</i>	2022 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 ^f	111.9	115.5	106.2	118.3 ^f	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
	Ogos	129.0	115.9	120.4	110.6	123.5	127.3
	Sep	130.0	116.8	121.2	111.2	124.2	128.2
	Okt	129.9	116.8	121.0	110.8	124.2	128.7
	Nov	130.1	117.2	121.2	111.3	124.3	127.9

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.4 Bangunan (K.T.) 5 Tingkat dan Lebih (Untuk Penginapan) <i>5 Storey and Above (R.C.) Building (For Accommodation)</i>	2022 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 ^f	111.8 ^f	115.6	106.5	118.5 ^f	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
	Ogos	129.3	115.0	120.6	111.0	123.5	125.2
	Sep	130.3	115.9	121.4	111.6	124.3	126.2
	Okt	130.2	115.9	121.2	111.2	124.3	126.6
	Nov	130.4	116.4	121.4	111.7	124.4	125.9
1.A.5 Bangunan (K.T.) 5 Tingkat dan Lebih (Untuk Pejabat) <i>5 Storey and Above (R.C.) Building (For Office)</i>	2022 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 ^f	112.2 ^f	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
	Ogos	130.2	116.0	121.3	110.7	123.7	128.9
	Sep	131.2	116.9	122.1	111.3	124.4	129.8
	Okt	131.1	116.9	121.9	110.8	124.4	130.3
	Nov	131.4	117.3	122.1	111.4	124.5	129.5
1.A.6 Bangunan Kayu <i>Timber Building</i>	2022 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 ^f	113.5	112.9	114.5 ^f	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
	Ogos	124.6	123.4	117.9	117.5	124.1	122.8
	Sep	124.7	123.6	118.0	117.6	124.2	122.8
	Okt	124.7	123.6	118.0	117.6	124.2	123.1
	Nov	124.7	123.7	117.5	117.7	124.2	122.5

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>	2022 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
	Ogos	125.6	123.9	118.2	118.2	123.9	123.9
	Sep	125.6	123.9	118.2	118.2	123.9	123.9
	Okt	125.6	123.9	118.2	118.2	123.9	124.1
	Nov	125.6	123.9	117.6	118.2	123.9	123.4
1.A.8 Cerucuk K.T. <i>R.C. Piling</i>	2022 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
	Ogos	133.8	112.9	119.4	110.0	119.3	124.7
	Sep	134.6	113.5	120.0	110.4	119.7	125.3
	Okt	134.6	113.6	119.9	109.9	119.7	126.1
	Nov	134.7	113.8	120.0	110.5	119.8	125.2

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 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 ^r	118.5	120.1	111.4	121.7 ^r	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
	Ogos	126.5	121.9	122.8	114.5	125.3	126.1
	Sep	126.0	121.3	123.2	114.8	125.8	126.2
	Okt	126.0	121.8	122.5	114.6	125.8	126.2
	Nov	126.3	122.8	122.6	114.9	125.8	126.4
1.B.2 Bangunan (K.T.) 2-4 Tingkat (Berbumbung Rata) <i>2-4 Storey (R.C.) Building (Flat Roof)</i>	2022 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 ^r	120.0 ^r	124.7	114.2	121.9 ^r	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
	Ogos	128.5	121.8	126.8	117.1	124.8	125.4
	Sep	127.4	120.1	127.4	117.6	125.4	125.5
	Okt	127.6	120.9	126.2	117.4	125.4	125.2
	Nov	127.9	122.3	126.4	117.7	125.5	125.8
1.B.3 Bangunan (K.T.) 2-4 Tingkat (Berbumbung Curam) <i>2-4 Storey (R.C.) Building (Pitched Roof)</i>	2022 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 ^r	119.4	123.9	113.4	122.1 ^r	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
	Ogos	128.9	121.6	126.5	116.5	125.5	125.9
	Sep	128.0	120.0	127.0	116.8	125.9	125.9
	Okt	128.1	120.7	125.9	116.6	125.9	125.8
	Nov	128.4	122.0	126.1	116.9	126.0	126.2

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 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
	Ogos	129.1	122.3	127.8	117.8	125.9	124.6
	Sep	127.7	120.2	128.2	118.1	126.3	124.4
	Okt	127.9	121.0	126.9	117.9	126.3	124.1
	Nov	128.2	122.4	127.1	118.1	126.4	124.8
1.B.5 Bangunan (K.T.) 5 Tingkat dan Lebih (Untuk Pejabat) <i>5 Storey and Above (R.C.) Building (For Office)</i>	2022 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
	Ogos	129.5	122.8	128.1	117.6	126.0	126.5
	Sep	128.2	120.7	128.6	118.0	126.4	126.3
	Okt	128.4	121.5	127.3	117.7	126.4	126.0
	Nov	128.7	122.9	127.5	118.0	126.4	126.7
1.B.6 Bangunan Kayu <i>Timber Building</i>	2022 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
	Ogos	124.6	123.4	117.9	117.5	124.1	122.8
	Sep	124.7	123.6	118.0	117.6	124.2	122.8
	Okt	124.7	123.6	118.0	117.6	124.2	123.1
	Nov	124.7	123.7	117.5	117.7	124.2	122.5

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 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
	Ogos	125.6	123.9	118.2	118.2	123.9	123.9
	Sep	125.6	123.9	118.2	118.2	123.9	123.9
	Okt	125.6	123.9	118.2	118.2	123.9	124.1
	Nov	125.6	123.9	117.6	118.2	123.9	123.4
1.B.8 Cerucuk K.T. <i>R.C. Piling</i>	2022 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
	Ogos	132.3	117.9	124.1	114.4	122.0	124.5
	Sep	131.8	116.8	124.5	114.7	122.3	124.5
	Okt	131.9	117.3	123.8	114.3	122.3	124.8
	Nov	132.2	118.2	123.9	114.8	122.3	124.7

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

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	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
			Ogos	141.5	111.7	130.7	107.9	128.3	136.3
			Sep	142.2	111.7	131.0	107.9	128.3	136.6
			Okt	142.2	111.4	130.6	106.8	128.3	137.8
			Nov	142.2	111.4	130.9	107.9	128.3	135.5
			2.2	Besi Steel	2022	Nov	122.3	125.4	139.3
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
	Ogos	128.8			129.9	135.4	125.0	128.5	123.9
	Sep	125.0			124.8	135.4	125.0	128.5	122.6
	Okt	125.4			126.3	133.0	125.0	128.5	121.5
	Nov	125.9			128.8	133.2	125.0	128.5	123.7
	2.3	Batu Bata & Dinding Bricks & Wall			2022	Nov	122.9	113.2	112.2
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
			Ogos	129.9	116.9	121.4	125.5	125.9	126.5
			Sep	130.0	117.6	121.4	124.7	125.9	127.8
			Okt	130.0	117.6	121.5	124.5	125.9	127.8
			Nov	130.3	120.3	122.1	124.4	125.9	127.8

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	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
			Ogos	117.4	123.1	144.3	112.6	102.5	134.0
			Sep	117.4	123.1	144.3	111.4	102.2	134.0
			Okt	117.4	123.1	144.3	109.6	102.2	134.0
			Nov	117.4	123.1	144.3	109.6	102.2	134.0
2.5	Batu Baur Aggregates	2022	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
			Ogos	136.3	102.3	98.9	103.5	96.1	107.2
			Sep	136.7	103.5	99.4	103.4	96.1	107.2
			Okt	136.7	103.5	99.2	103.2	96.1	109.3
			Nov	136.9	103.5	99.5	104.2	96.1	110.1
2.6	Bahan Siling Ceiling Materials	2022	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
			Ogos	119.2	121.0	123.1	130.3	118.0	112.4
			Sep	119.2	121.0	122.9	129.9	118.0	112.4
			Okt	119.2	123.0	122.9	129.9	118.0	112.4
			Nov	119.2	123.0	122.9	129.9	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	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 ^r	104.5	105.8	120.7 ^r	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
			Ogos	107.8	122.5	105.9	106.9	129.4	104.8
			Sep	107.8	122.5	106.0	106.9	129.4	104.8
			Okt	107.8	122.5	105.7	108.5	129.4	104.8
			Nov	107.8	122.5	105.7	110.3	129.4	104.8
2.8.a	Kayu Timber	2022	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
			Ogos	125.6	123.9	118.2	118.2	123.9	123.9
			Sep	125.6	123.9	118.2	118.2	123.9	123.9
			Okt	125.6	123.9	118.2	118.2	123.9	124.1
			Nov	125.6	123.9	117.6	118.2	123.9	123.4
2.8.b	Papan Lapis Plywood	2022	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
			Ogos	106.4	106.4	106.4	106.4	106.4	106.4
			Sep	110.2	110.2	110.2	110.2	110.2	110.2
			Okt	110.2	110.2	110.2	110.2	110.2	110.2
			Nov	110.7	110.7	110.7	110.7	110.7	110.7

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
Bahan Binaan								
Building Materials								
2.9	Lengkapan Kebersihan	2022 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
	Sanitary Fittings	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
		Ogos	102.7	153.6	100.7	100.9	171.2	110.7
		Sep	102.6	159.7	100.7	100.9	177.7	110.7
		Okt	102.6	163.8	100.7	100.9	177.7	110.7
		Nov	102.6	170.3	100.7	100.9	178.3	110.7
2.10	Jubin Lantai & Dinding	2022 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
	Floor & Wall Tiles	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
		Ogos	107.5	139.5	101.3	100.0	116.2	173.7
		Sep	107.5	143.6	101.3	100.0	116.2	173.7
		Okt	107.5	143.6	101.8	100.0	116.2	173.7
		Nov	107.5	143.6	101.8	100.0	116.2	175.3
2.11	Bahan Kerja Paip	2022 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
	Plumbing Materials	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
		Ogos	121.4	119.1	116.6	103.2	125.7	111.2
		Sep	121.4	119.1	115.9	103.1	125.7	111.2
		Okt	121.4	118.8	115.9	103.1	125.7	111.2
		Nov	121.4	118.4	114.9	103.1	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	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
			Ogos	147.8	133.4	132.9	123.2	144.7	153.6
			Sep	147.8	132.8	132.8	123.2	143.8	153.6
			Okt	147.3	131.3	131.9	123.2	143.8	153.6
			Nov	148.1	132.0	131.6	123.2	143.8	153.1
2.13	Pasir Sand	2022	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
			Ogos	147.1	113.8	113.2	112.4	113.2	119.3
			Sep	147.3	113.8	113.8	112.0	113.2	119.3
			Okt	147.3	116.2	114.5	112.0	113.2	119.3
			Nov	147.8	117.4	114.8	111.6	113.2	119.3
2.14	Cat Paints	2022	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
			Ogos	123.3	113.9	115.5	112.8	127.4	114.1
			Sep	123.3	113.6	115.5	112.9	128.0	114.1
			Okt	123.3	113.9	115.7	112.9	128.0	114.1
			Nov	123.3	113.1	115.3	112.9	128.0	113.6

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 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
		Ogos	131.8
		Sep	131.8
		Okt	130.4
		Nov	129.1
3.2	Keratan Geronggang Segi Empat Sama <i>Square Hollow Sections</i>	2022 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
		Ogos	141.0
		Sep	141.0
		Okt	140.3
		Nov	140.0
3.3	Keratan Geronggang Segi Empat Tepat <i>Rectangular Hollow Sections</i>	2022 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
		Ogos	139.5
		Sep	139.5
		Okt	135.9
		Nov	135.6

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 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
		Ogos	137.5
		Sep	137.5
		Okt	137.0
		Nov	136.7
3.5	Gelegar Keluli Guling <i>Rolled Steel Joists</i>	2022 Nov	136.3
		Dis	136.3
		2023 Jan	124.4 ^r
		Feb	124.4
		Mac	124.4
		Apr	124.4
		Mei	124.2
		Jun	124.4
		Jul	124.4
		Ogos	124.4
		Sep	124.4
		Okt	124.4
		Nov	124.4
3.6	Sesiku Sama <i>Equal Angles</i>	2022 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
		Ogos	139.1
		Sep	138.7
		Okt	138.7
		Nov	138.2

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 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
		Ogos	141.0
		Sep	141.0
		Okt	139.9
		Nov	139.8
3.8	Sesalur U <i>U Channels</i>	2022 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
		Ogos	153.1
		Sep	153.1
		Okt	152.5
		Nov	151.9
3.9	Sesalur Bibir <i>Lipped Channels</i>	2022 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
		Ogos	140.3
		Sep	140.3
		Okt	139.8
		Nov	139.2

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)**

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:

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

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

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

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. 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>