

KOMUNIKASI DAN MULTIMEDIA

Buku Maklumat Statistik

COMMUNICATIONS AND MULTIMEDIA
Pocket Book of Statistics

2018



Suruhanjaya Komunikasi dan Multimedia Malaysia
Malaysian Communications and Multimedia Commission

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Design and Printed by:
i Fabulous Art Media & Event Sdn Bhd (904973-U)

10 || MATLAMAT DASAR KEBANGSAAN BAGI INDUSTRI KOMUNIKASI DAN MULTIMEDIA NATIONAL POLICY OBJECTIVES FOR THE COMMUNICATIONS AND MULTIMEDIA INDUSTRY

- 1 Mengajadikan Malaysia sebagai pusat dan tumpuan utama dunia bagi perkhidmatan komunikasi dan perkhidmatan maklumat dan kandungan multimedia
To establish Malaysia as a major global centre and hub for communications and multimedia information and content services
- 2 Menggalakkan pewujudan masyarakat madani yang dalamnya perkhidmatan berdasarkan maklumat akan menyediakan asas bagi peningkatan yang berterusan kepada mutu kerja dan hidup
To promote a civil society where information-based services will provide the basis of continuing enhancements to quality of work and life
- 3 Mencambahkan dan memupuk sumber maklumat dan perlambangan budaya tempatan yang membantu mengetengahkan identiti kebangsaan dan kepelbagaian dunia
To grow and nurture local information resources and cultural representation that facilitates the national identity and global diversity
- 4 Mengawal selia bagi faedah jangka panjang pengguna akhir
To regulate for the long-term benefit of the end user
- 5 Menggalakkan tahap keyakinan pengguna yang tinggi dalam penyampaian perkhidmatan daripada industri itu
To promote a high level of consumer confidence in service delivery from the industry
- 6 Memastikan penyediaan perkhidmatan sama rata yang mampu dibayar melalui infrastruktur kebangsaan yang sentiasa ada
To ensure an equitable provision of affordable services over ubiquitous national infrastructure
- 7 Mewujudkan suasana aplikasi yang giat bagi pengguna akhir
To create a robust application environment for end users
- 8 Memudahkan pengagihan secara berkesan sumber seperti tenaga buruh mahir, modal, pengetahuan dan aset kebangsaan
To facilitate the efficient allocation of resources such as skilled labour, capital, knowledge and national assets
- 9 Menggalakkan pembinaan keupayaan dan kecekapan dalam industri percantuman Malaysia
To promote the development of capabilities and skills within Malaysia's convergence industries
- 10 Menjamin keselamatan maklumat dan kebolehpercayaan dan keutuhan rangkaian
To ensure information security and network reliability and integrity

Nota/Notes

Sekiranya sesuatu jadual tidak diikuti oleh nota tentang sumber data, maka seluruh data yang terkandung di dalamnya berpunca semata-mata daripada Suruhanjaya Komunikasi dan Multimedia Malaysia (MCMC)

Where a table is not accompanied by a source acknowledgement, that table carries data that emanated solely from the Malaysian Communications and Multimedia Commission (MCMC)

Angka-angka awalan dicondongkan

Preliminary figures are italicised

Angka-angka yang dipinda digariskan

Revised figures are underscored

Angka yang terkandung dalam sesuatu jadual merujuk kepada penghujung tempoh. Sebagai contoh, kadar penembusan tahunan bagi sesuatu perkhidmatan dikira dengan menggunakan jumlah langganan dan anggaran jumlah penduduk pada hujung tahun. Ini adalah berbeza daripada amalan demografi Malaysia di mana jumlah penduduk pertengahan tahun dianggap sebagai jumlah penduduk tahunan. Sekiranya kedua-dua amalan ini hendaklah diselaraskan kepada norma demografi, maka kadar penembusan seperti pada penghujung Jun hendaklah digunakan

Figures presented in tables are as at the end of the period. Hence a penetration rate for a given year is calculated using the number of subscriptions and estimated population as at the end of the year. This is different from the Malaysian demographic practice of using the mid-year population as the population for that year. If the practices need to be synchronised to the demographic norm, then the penetration rates as at end June of that year must be used

Jumlah campuran mungkin berbeza kerana pembundaran

The added total may differ due to rounding

Simbol dan Singkatan

...	Tidak diperolehi
KKMM	Kementerian Komunikasi dan Multimedia Malaysia
DOSM	Jabatan Perangkaan Malaysia
MCMC	Suruhanjaya Komunikasi dan Multimedia Malaysia
ITU	International Telecommunication Union
ICT	Teknologi maklumat dan komunikasi

Symbols and Abbreviations

...	Not available
KKMM	Ministry of Communications and Multimedia Malaysia
DOSM	Department of Statistics, Malaysia
MCMC	Malaysian Communications and Multimedia Commission
ITU	International Telecommunication Union
ICT	Information and Communications Technology

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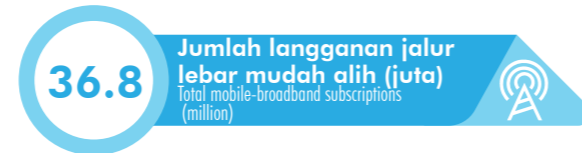
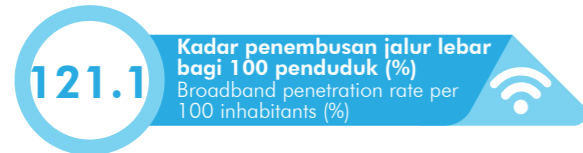
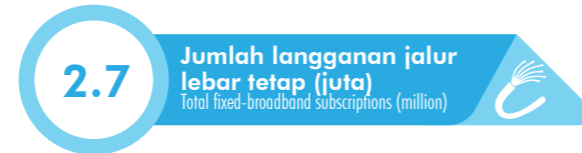
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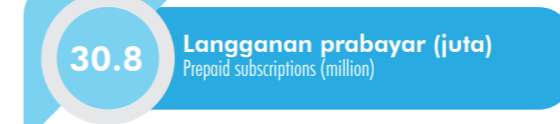
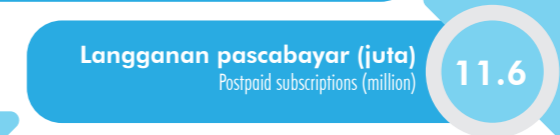
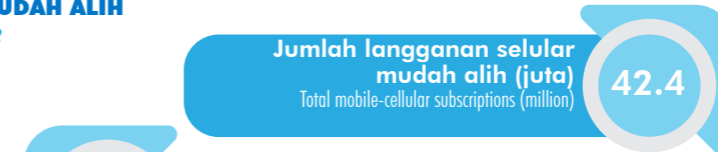
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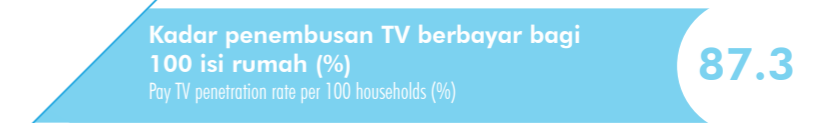
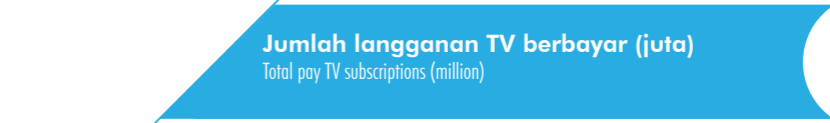
TELEFON TETAP
FIXED-TELEPHONES



SELULAR MUDAH ALIH
MOBILE-CELLULAR



TV BERBAYAR
PAY TV



PETUNJUK-PETUNJUK ASAS MALAYSIA

MALAYSIA BASIC INDICATORS



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1. PETUNJUK-PETUNJUK ASAS MALAYSIA

MALAYSIA BASIC INDICATORS

Tahun Year	Suku Quarter	Penduduk ^a Population (juta/million)	Isi rumah ^b Households (‘000)	Keluaran Dalam Negara Kasar (KDNK) Gross Domestic Product (GDP)		Indeks Harga Pengguna (IHP) ^d Consumer Price Index (CPI)
				Harga semasa Current prices (RM bilion/billion)	Harga malar ^c Constant prices (RM bilion/billion)	
				2017	4	
2018	1	32.75	8,129	343.2	295.3	121.2
	2	32.86	8,159	349.0	300.2	120.9
	3	32.48	8,062	363.1	311.7	120.6
	4	32.57	8,085	374.6	322.6	120.7

Sumber / Source: DOSM, MCMC

Nota penjelasan:

Explanatory notes:

- Unjuran penduduk seperti pada penghujung tempoh berdasarkan Banci 2010
Population projections as at end of period, based on census 2010
- Bilangan isi rumah diperolehi dengan membahagikan penduduk dengan purata saiz isi rumah
Number of households derived by dividing populations by average household size
- Tahun asas adalah 2010
Base year is 2010
- Tahun asas adalah 2010
Base year is 2010

IHP bagi sesuatu suku tahun merujuk kepada indeks purata dari 1 Januari hingga hujung suku tahun tersebut
The CPI reported against a quarter, refers to the average index for the period spanning 1st January to the end of that quarter

2. KADAR PENEMBUSAN SEPINTAS LALU (%)

PENETRATION RATES AT A GLANCE (%)

Tahun Year	Suku Quarter	Jalur lebar ^a Broadband	Selular mudah alih ^b Mobile-cellular	Talian tetap ^c Fixed-telephone	TV berbayar ^d Pay TV
		bagi 100 penduduk per 100 inhabitants	bagi 100 penduduk per 100 inhabitants	bagi 100 penduduk per 100 inhabitants	bagi 100 isi rumah per 100 households
2017	4	117.3	131.2	20.4	83.2
2018	1	115.9	132.9	20.0	82.2
	2	117.9	134.0	19.9	84.1
	3	118.6	135.5	20.0	86.0
	4	121.1	130.2	19.8	87.3

Nota penjelasan:

Explanatory notes:

- a. Kadar penembusan jalur lebar bagi 100 penduduk dikira dengan membahagi jumlah langganan jalur lebar tetap dan jalur lebar mudah alih dengan jumlah penduduk dan didarab dengan 100. Langganan Wi-Fi awam tidak diambilkira
The broadband penetration rate per 100 inhabitants is calculated by dividing the sum of fixed and mobile-broadband subscriptions by total number of population and multiplying by 100. Public Wi-Fi subscriptions are not taken into account

Bermula suku keempat 2015, pengiraan langganan dan kadar penembusan jalur lebar disemak semula dengan tidak lagi mengambil kira jalur lebar tetap yang berkelajuan kurang daripada 1 Mbit/s
Commencing Q4 2015, the calculation for broadband subscriptions and penetration rates are revised to exclude fixed-broadband with downstream speeds less than 1 Mbit/s

- b. Kadar penembusan selular mudah alih dikira sebagai jumlah langganan dibahagi jumlah penduduk dan didarabkan dengan 100. Penembusan yang melebihi 100% boleh berpunca daripada pelanggan yang melanggan melebihi daripada satu langganan
The mobile-cellular penetration rate refers to the total subscriptions divided by total number of population and multiplied by 100. A penetration rate over 100% can occur because of multiple subscriptions
- c. Kadar penembusan talian tetap dikira sebagai jumlah langganan dibahagi dengan jumlah penduduk dan didarabkan dengan 100
The fixed-telephone penetration rate refers to the total subscriptions divided by total number of population and multiplied by 100
- d. Kadar penembusan TV berbayar bagi 100 isi rumah dikira dengan membahagi jumlah langganan isi rumah dengan jumlah isi rumah dan didarab dengan 100
The Pay TV penetration rate per 100 households is calculated by dividing the number of household subscriptions by the number of households and multiplied by 100

3. BILANGAN LESEN SEHINGGA 31 DISEMBER 2018

NUMBER OF LICENCES UNTIL 31 DECEMBER 2018

Bilangan lesen
No. of licences

	Individu <i>Individual</i>	Kelas <i>Class</i>	Jumlah <i>Total</i>
Penyedia Kemudahan Rangkaian <i>Network Facilities Provider (NFP)</i>	220	10	230
Penyedia Perkhidmatan Rangkaian <i>Network Service Provider (NSP)</i>	183	10	193
Penyedia Perkhidmatan Aplikasi <i>Applications Service Provider (ASP)</i>		413	413
Penyedia Perkhidmatan Aplikasi Kandungan <i>Content Applications Service Provider (CASP)</i>	56	11	67
Jumlah <i>Total</i>	459	444	903

Nota penjelasan:

Explanatory notes:

- Lesen kelas didaftarkan untuk tempoh satu tahun
Class licence is registered for a period of 1 year

JALUR LEBAR DAN INTERNET BROADBAND AND INTERNET



4. KADAR PENEMBUSAN JALUR LEBAR BAGI 100 PENDUDUK MENGIKUT NEGERI (%)

BROADBAND PENETRATION RATE PER 100 INHABITANTS BY STATE (%)

Tahun/Year Suku/Quarter Negeri/State	2017		2018			
	4	1	2	3	4	
Johor	148.1	143.7	143.1	141.9	139.5	
Kedah	84.2	88.0	89.5	90.5	95.6	
Kelantan	75.7	78.4	80.4	80.8	87.2	
Melaka	103.2	112.2	113.4	112.4	116.4	
Negeri Sembilan	128.7	134.4	136.2	138.0	141.0	
Pahang	86.4	89.3	90.5	91.1	96.9	
Perak	102.1	107.6	111.5	115.1	114.1	
Perlis	83.5	88.4	96.1	100.3	102.6	
Pulau Pinang	130.2	138.1	134.0	131.9	138.9	
Sabah	64.5	67.9	75.6	74.9	76.4	
Sarawak	106.5	91.3	92.2	93.0	107.0	
Selangor	133.8	131.8	129.9	127.8	131.5	
Terengganu	81.9	85.0	87.4	87.8	90.7	
W.P. Kuala Lumpur	225.2	220.7	226.3	243.8	240.8	
W.P. Labuan	70.3	73.2	73.6	74.0	72.0	
W.P. Putrajaya	78.5	87.4	92.4	92.5	90.2	
Malaysia	117.3	115.9	117.9	118.6	121.1	

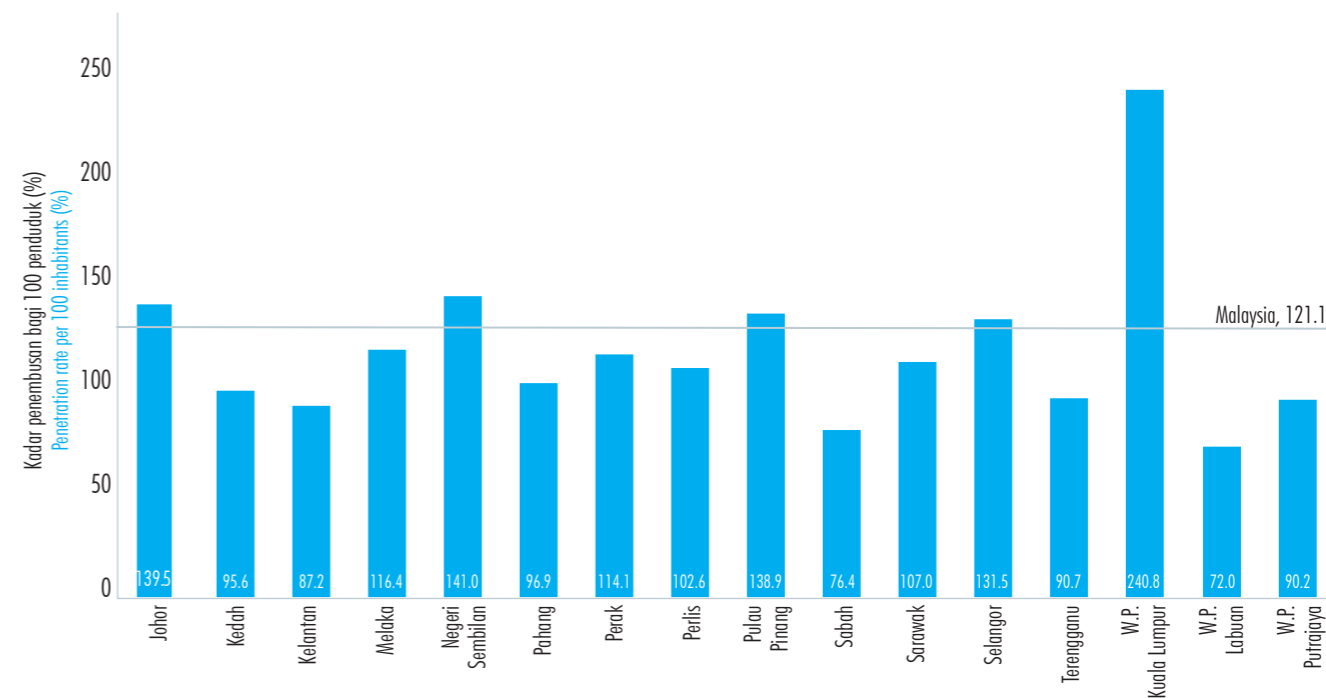
Nota penjelasan / Explanatory notes:

Sila rujuk nota (a) di Jadual 2

Please see note (a) in Table 2

KADAR PENEMBUSAN JALUR LEBAR BAGI 100 PENDUDUK MENGIKUT NEGERI, 2018

BROADBAND PENETRATION RATE PER 100 INHABITANTS BY STATE, 2018



5. BILANGAN LANGGANAN JALUR LEBAR

NUMBER OF BROADBAND SUBSCRIPTIONS

Tahun Year	Suku Quarter	Tetap ^a Fixed	Mudah alih ^b Mobile (juta/million)	Jumlah Total
2017	4	2.6	35.3	37.8
2018	1	2.6	35.3	37.9
	2	2.6	36.2	38.8
	3	2.6	35.9	38.5
	4	2.7	36.8	39.4

Nota penjelasan:

Explanatory notes:

Jumlah campuran mungkin berbeza kerana pembundaran

The added total may differ due to rounding

- a. Termasuk ADSL, SDSL, VDSL, Satelit, FTTH, Fixed wireless, EV-DO, dan WiMAX tetap
Includes ADSL, SDSL, VDSL, Satellite, FTTH, Fixed wireless, EV-DO, and fixed WiMAX

Bemula suku keempat 2015, pengiraan langganan dan kadar penembusan jalur lebar disemak semula dengan tidak lagi mengambil kira jalur lebar tetap yang berkelajuan kurang daripada 1 Mbit/s
Commencing Q4 2015, the calculation for broadband subscriptions and penetration rates are revised to exclude fixed-broadband with downstream speeds less than 1 Mbit/s

- b. Termasuk prabayar, pascabayar, Pay Per Use, dan WiMAX mudah alih
Includes prepaid, postpaid, Pay Per Use, and mobile WiMAX

6. PERATUS PENGGUNA INTERNET MENGIKUT JANTINA

PERCENTAGE OF INTERNET USERS BY GENDER

Tahun Year	Lelaki Male	Perempuan Female
		(%)
2015	59.4	40.6
2016	57.4	42.6
2018	59.0	41.0

Nota penjelasan:

Explanatory notes:

Jadual 6 dan 7 adalah daripada Kajian Pengguna Internet yang dijalankan oleh MCMC
Tables 6 and 7 are from Internet Users Survey conducted by the MCMC

7. PERATUS PENGGUNA INTERNET MENGIKUT KATEGORI UMUR

PERCENTAGE OF INTERNET USERS BY AGE CATEGORY

Kategori umur <i>Age category</i>	2015	2016	2018
		(%)	
Bawah 15 (<i>Below 15</i>)	0.9	0.4	0.5
15-19	14.6	12.6	7.6
20-24	22.0	21.4	15.6
25-29	16.2	16.7	14.3
30-34	14.0	15.4	15.3
35-39	10.6	10.5	10.6
40-44	7.6	8.0	10.8
45-49	5.7	6.2	7.1
50 dan ke atas (<i>50 and above</i>)	8.5	<u>8.7</u>	18.1

Nota penjelasan:

Explanatory notes:

Sila rujuk nota di Jadual 6

*Please see note in Table 6***8. PERATUSAN CAPAIAN KOMPUTER ISI RUMAH MENGIKUT NEGERI**

PERCENTAGE OF COMPUTER ACCESS BY HOUSEHOLD BY STATE

Negeri <i>State</i>	2017	2018
	(%)	(%)
Johor	72.7	70.2
Kedah	60.3	56.6
Kelantan	60.0	59.2
Melaka	70.5	72.6
Negeri Sembilan	63.1	64.2
Pahang	59.9	58.3
Perak	69.1	68.8
Perlis	69.6	67.6
Pulau Pinang	81.4	75.5
Sabah	61.6	59.8
Sarawak	68.6	63.8
Selangor	89.0	88.5
Terengganu	83.0	74.0
W.P. Kuala Lumpur	84.6	77.1
W.P. Labuan	69.6	70.3
W.P. Putrajaya	96.3	96.4
Malaysia	74.1	71.7

Sumber / *Source:*

Laporan Penyiasatan Penggunaan dan Capaian ICT oleh Individu dan Isi Rumah, DOSM

ICT Use and Access by Individuals and Households Survey Report, DOSM

9. BILANGAN LANGGANAN JALUR LEBAR TETAP BAGI 100 PENDUDUK, NEGARA-NEGARA ASEAN

NUMBER OF FIXED-BROADBAND SUBSCRIPTIONS PER 100 INHABITANTS, ASEAN COUNTRIES

Tahun Year	Singapura Singapore	Thailand	Viet Nam	Brunei Darussalam	Malaysia ^a
2015	26.8	9.1	8.2	8.2	10.0
2016	26.0	10.5	9.6	8.5	8.8
2017	25.8	11.9	11.8	9.6	8.3

Tahun Year	Filipina Philippines	Indonesia	Kemboja Cambodia	Lao P.D.R.	Myanmar
2015	2.9	1.5	0.5	0.2	0.1
2016	2.9	2.0	0.6	0.4	0.2
2017	3.2	2.4	0.8	0.4	0.2

Sumber / Source: MCMC, ITU

Nota penjelasan:

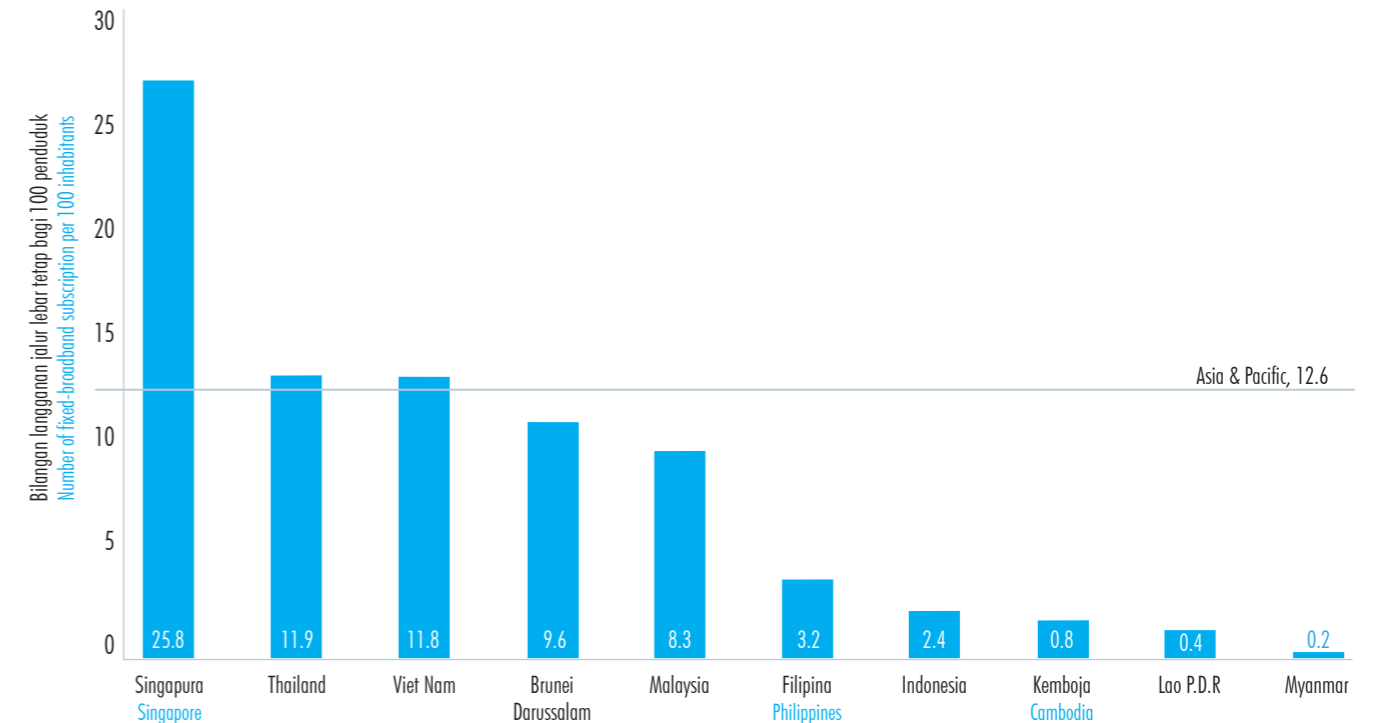
Explanatory notes:

Jalur lebar tetap merujuk kepada akses langganan jalur lebar tetap berkelajuan tinggi dengan kelajuan muat turun sama atau lebih daripada 256 kbit/s
Fixed-broadband refers to fixed-broadband subscriptions for high speed access at downstream speeds equal to or higher than 256 kbit/s

- a. Angka mungkin berbeza dengan pengiraan ITU disebabkan semakan semula oleh MCMC dan perbezaan bilangan penduduk yang digunakan
Figure may differ from ITU calculation due to the revision made by MCMC and difference in the number of population used

BILANGAN LANGGANAN JALUR LEBAR TETAP BAGI 100 PENDUDUK, NEGARA-NEGARA ASEAN, 2017

NUMBER OF FIXED-BROADBAND SUBSCRIPTIONS PER 100 INHABITANTS, ASEAN COUNTRIES, 2017



10. BILANGAN LANGGANAN JALUR LEBAR TETAP BAGI 100 PENDUDUK BAGI 10 RAKAN DAGANG TERBESAR, MALAYSIA

NUMBER OF FIXED-BROADBAND SUBSCRIPTIONS PER 100 INHABITANTS FOR 10 BIGGEST TRADING PARTNERS, MALAYSIA

Tahun Year	Korea Selatan South Korea	Hong Kong SAR	Amerika Syarikat USA	Jepun Japan	China	Singapura Singapore
2015	39.6	32.4	31.9	30.4	19.8	26.8
2016	40.5	36.0	33.0	31.2	23.0	26.0
2017	41.6	36.1	33.9	31.8	28.0	25.8

Tahun Year	Taiwan	Thailand	Malaysia ^a	Indonesia	India
2015	24.1	9.1	10.0	1.5	1.3
2016	24.1	10.5	8.8	2.0	1.4
2017	24.2	11.9	8.3	2.4	1.3

Sumber / Source: MCMC, ITU

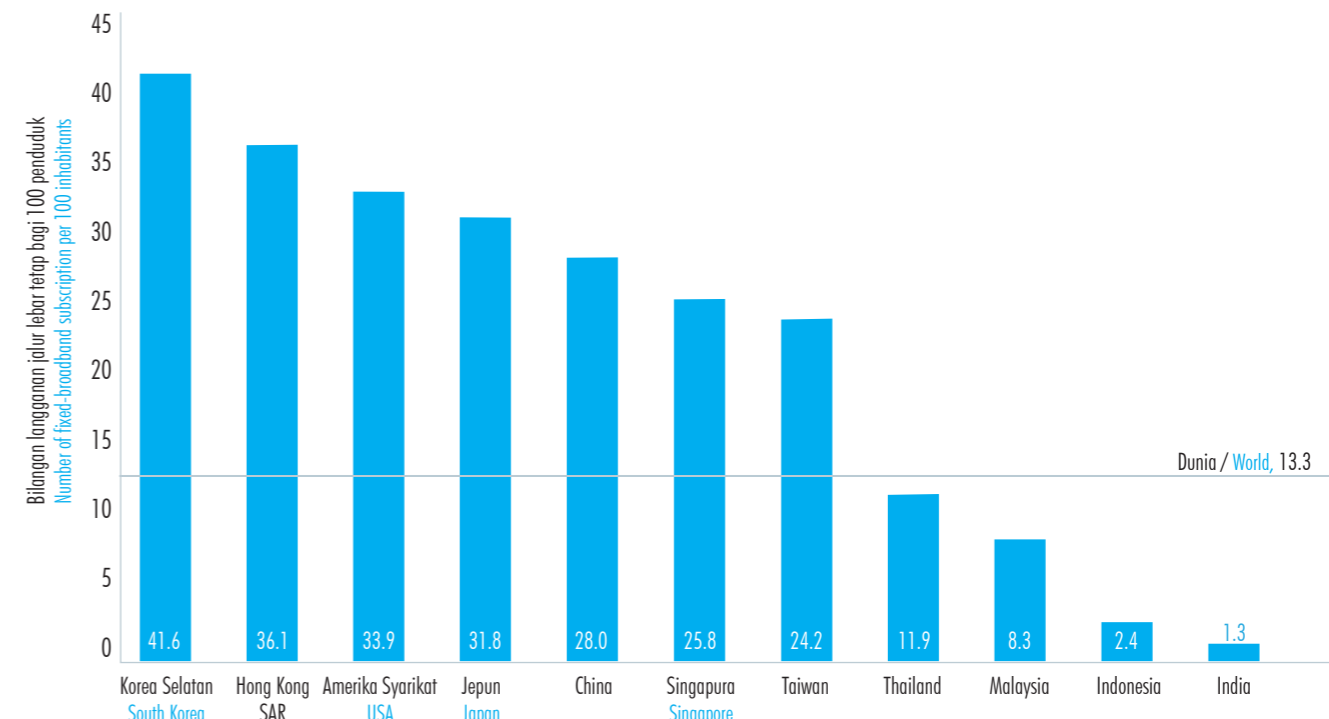
Nota penjelasan / Explanatory notes:

Jalur lebar tetap merujuk kepada akses langganan jalur lebar tetap berkelajuan tinggi dengan kelajuan muat turun sama atau lebih daripada 256 kbit/s
Fixed-broadband refers to fixed-broadband subscriptions for high speed access at downstream speeds equal to or higher than 256 kbit/s

a. Angka mungkin berbeza dengan pengiraan ITU disebabkan semakan semula oleh MCMC dan perbezaan bilangan penduduk yang digunakan
Figure may differ from ITU calculation due to the revision made by MCMC and difference in the number of population used

BILANGAN LANGGANAN JALUR LEBAR TETAP BAGI 100 PENDUDUK BAGI 10 RAKAN DAGANG TERBESAR, MALAYSIA, 2017

NUMBER OF FIXED-BROADBAND SUBSCRIPTIONS PER 100 INHABITANTS FOR 10 BIGGEST TRADING PARTNERS, MALAYSIA, 2017



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SELULAR MUDAH ALIH **MOBILE-CELLULAR**



11. BILANGAN LANGGANAN SELULAR MUDAH ALIH DAN KADAR PENEMBUSAN

NUMBER OF MOBILE-CELLULAR SUBSCRIPTIONS AND PENETRATION RATE

Tahun Year	Suku Quarter	Pascabayar Postpaid	Prabayar Prepaid	Jumlah Total	Kadar penembusan bagi 100 penduduk Penetration rate per 100 inhabitants
			('000)		(%)
2017	4	10,231	32,107	42,339	131.2
2018	1	10,447	33,069	43,516	132.9
	2	10,755	33,268	44,022	134.0
	3	11,221	32,780	44,001	135.5
	4	11,576	30,837	42,413	130.2

Nota penjelasan:

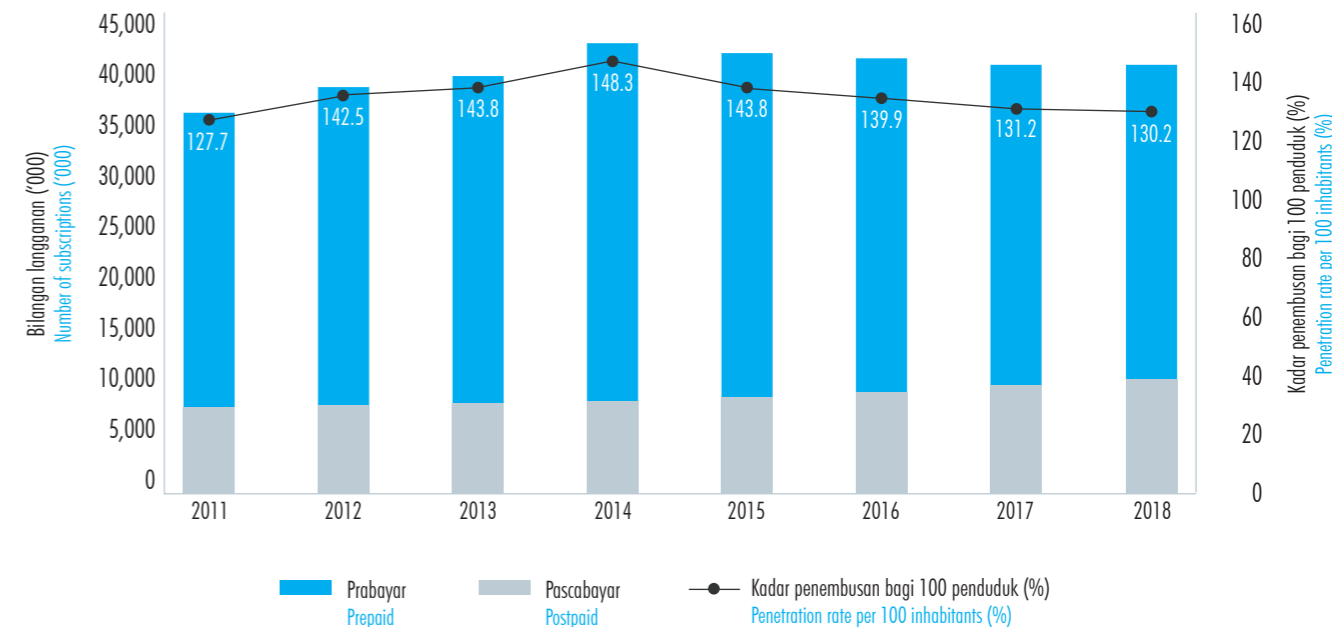
Explanatory notes:

Sila rujuk nota (b) di Jadual 2

Please see note (b) in Table 2

BILANGAN LANGGANAN SELULAR MUDAH ALIH DAN KADAR PENEMBUSAN

NUMBER OF MOBILE-CELLULAR SUBSCRIPTIONS AND PENETRATION RATE



12. KADAR PENEMBUSAN SELULAR MUDAH ALIH BAGI 100 PENDUDUK MENGIKUT NEGERI (%)

MOBILE-CELLULAR PENETRATION RATE PER 100 INHABITANTS BY STATE (%)

Negeri State	2017	2018
Johor	176.8	148.7
Kedah	105.2	109.6
Kelantan	100.2	106.4
Melaka	123.7	136.3
Negeri Sembilan	149.7	157.1
Pahang	106.9	111.6
Perak	132.6	133.8
Perlis	107.3	123.3
Pulau Pinang	149.2	145.5
Sabah	78.7	81.7
Sarawak	107.3	108.2
Selangor	129.6	124.1
Terengganu	98.5	117.9
W.P. Kuala Lumpur	211.3	235.3
W.P. Labuan	59.8	73.7
W.P. Putrajaya	61.2	74.9

Nota penjelasan:

Explanatory notes:

Bermula 2017, kadar penembusan selular mudah alih adalah berdasarkan data sekunder
Commencing 2017, the mobile-cellular penetration rate is based on secondary data

13. KEMUDAHALIHAN NOMBOR

MOBILE NUMBER PORTABILITY

Tahun Year	Suku Quarter	Permintaan pengalihan nombor Number of porting request	Pengalihan nombor yang berjaya Successful porting
		('000)	
2017	4	892.9	420.0
2018	1	778.1	346.3
	2	769.7	318.6
	3	992.8	413.8
	4	1,071.3	444.8

14. PERATUS LANGGANAN SELULAR MUDAH ALIH MENGIKUT JANTINA

PERCENTAGE OF MOBILE-CELLULAR SUBSCRIPTION BY GENDER

Tahun Year	Lelaki Male	Perempuan Female
	%	
2017	63.5	36.5
2018	63.4	36.6

Nota penjelasan:

Explanatory notes:

Bermula 2017, peratus langganan selular mudah alih mengikut jantina adalah berdasarkan data sekunder
Commencing 2017, percentage of mobile-cellular subscription by gender is based on secondary data

15. BILANGAN KHIDMAT PESANAN RINGKAS (SMS)

NUMBER OF SHORT MESSAGE SERVICES

Tahun Year	Suku Quarter	Jumlah ^a Total	Purata SMS bagi setiap langganan ^b Average SMSes per each subscription
		(juta/million)	
2017	4	1,750.9	41.4
2018	1	1,660.6	38.2
	2	1,446.1	32.8
	3	1,376.5	31.3
	4	1,365.1	32.2

Nota penjelasan:

Explanatory notes:

- a. Angka menunjukkan bilangan SMS dihantar dalam tempoh rujukan
Figure refers to the number of SMSes sent within the period
- b. Purata SMS dihantar bagi setiap langganan dalam tempoh rujukan
Average SMSes sent for each subscription within the referral period

16. BILANGAN LANGGANAN SELULAR MUDAH ALIH BAGI 100 PENDUDUK, NEGARA-NEGARA ASEAN

NUMBER OF MOBILE-CELLULAR SUBSCRIPTIONS PER 100 INHABITANTS, ASEAN COUNTRIES

Tahun Year	Thailand	Indonesia	Singapura Singapore	Malaysia ^a	Brunei Darussalam
2015	149.9	131.3	148.7	143.8	111.0
2016	173.8	147.7	150.5	139.9	123.7
2017	176.0	164.9	146.8	131.2	127.1

Tahun Year	Viet Nam	Kemboja Cambodia	Filipina Philippines	Myanmar	Lao P.D.R.
2015	128.6	134.4	115.8	78.2	55.9
2016	127.5	126.3	116.2	95.7	58.6
2017	125.6	116.0	110.4	89.8	54.1

Sumber / Source: MCMC, ITU

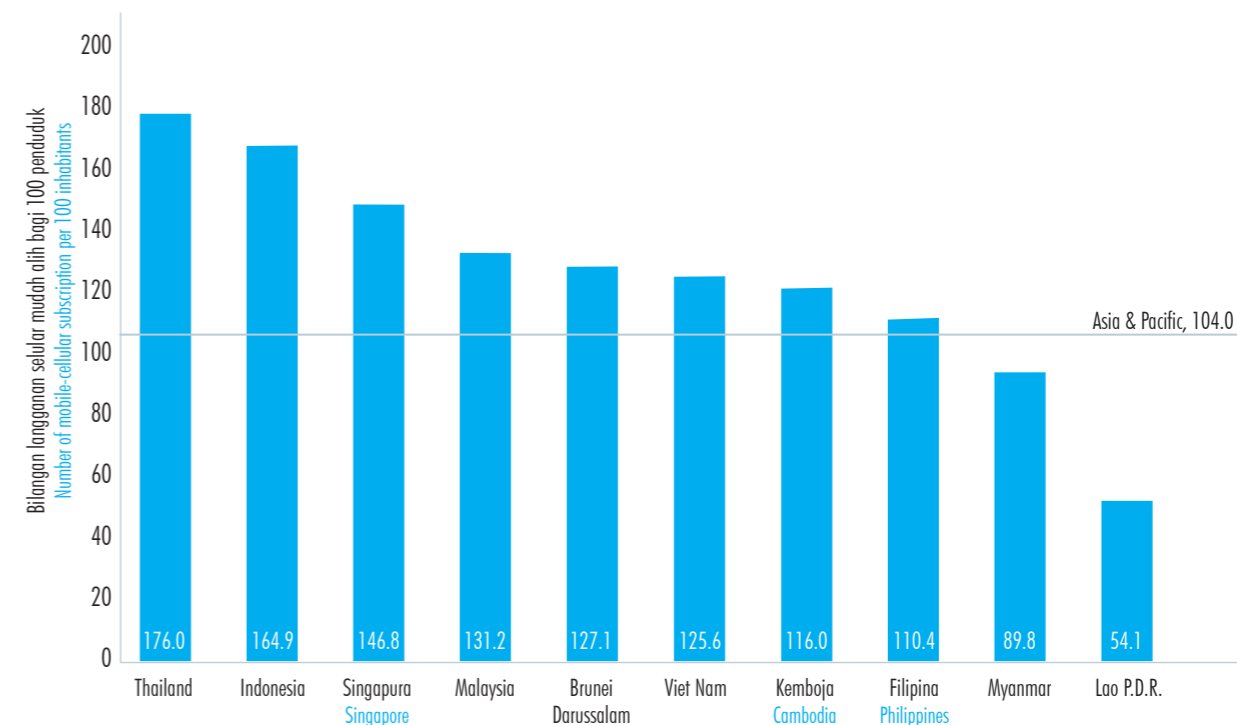
Nota penjelasan:

Explanatory notes:

- a. Angka mungkin berbeza dengan pengiraan ITU disebabkan oleh perbezaan bilangan penduduk yang digunakan
Figure may differ from ITU calculation due to the difference in the number of population used

BILANGAN LANGGANAN SELULAR MUDAH ALIH BAGI 100 PENDUDUK, NEGARA-NEGARA ASEAN, 2017

NUMBER OF MOBILE-CELLULAR SUBSCRIPTIONS PER 100 INHABITANTS, ASEAN COUNTRIES, 2017



17. BILANGAN LANGGANAN SELULAR MUDAH ALIH BAGI 100 PENDUDUK BAGI 10 RAKAN DAGANG TERBESAR, MALAYSIA

NUMBER OF MOBILE-CELLULAR SUBSCRIPTIONS PER 100 INHABITANTS FOR 10 BIGGEST TRADING PARTNERS, MALAYSIA

Tahun Year	Hong Kong SAR	Thailand	Indonesia	Singapura Singapore	Jepun Japan	Malaysia ^a
2015	230.8	149.9	131.3	148.7	125.5	143.8
2016	240.8	173.8	147.7	150.5	130.6	139.9
2017	249.8	176.0	164.9	146.8	135.5	131.2

Tahun Year	Korea Selatan South Korea	Taiwan	Amerika Syarikat USA	China	India
2015	116.5	126.4	119.5	92.5	76.5
2016	120.7	124.1	120.2	97.3	85.2
2017	124.9	121.8	120.7	104.3	87.3

Sumber / Source: MCMC, ITU

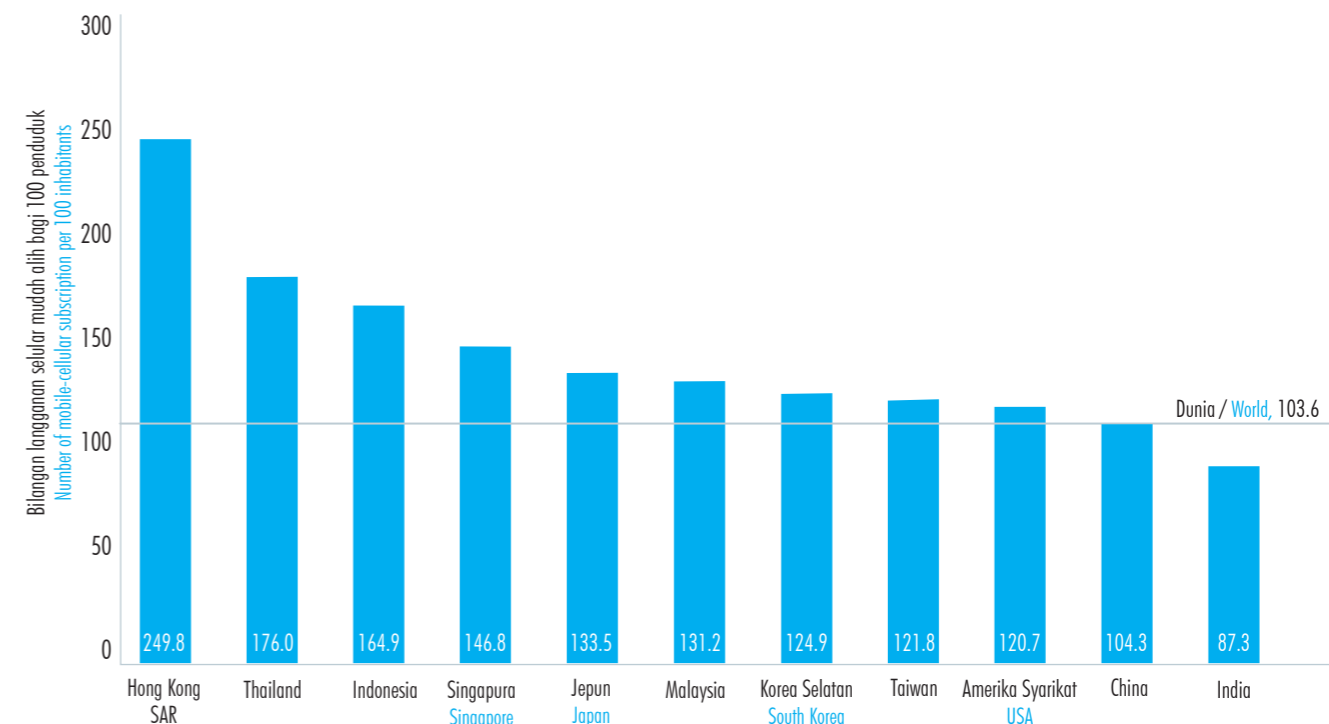
Nota penjelasan:

Explanatory notes:

- a. Angka mungkin berbeza dengan pengiraan ITU disebabkan oleh perbezaan bilangan penduduk yang digunakan
Figure may differ from ITU calculation due to the difference in the number of population used

BILANGAN LANGGANAN SELULAR MUDAH ALIH BAGI 100 PENDUDUK BAGI 10 RAKAN DAGANG TERBESAR, MALAYSIA, 2017

NUMBER OF MOBILE-CELLULAR SUBSCRIPTIONS PER 100 INHABITANTS FOR 10 BIGGEST TRADING PARTNERS, MALAYSIA, 2017



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TELEFON TETAP FIXED-TELEPHONES



18. BILANGAN LANGGANAN TELEFON TETAP DAN KADAR PENEMBUSAN

NUMBER OF FIXED-TELEPHONE SUBSCRIPTIONS AND PENETRATION RATE

Tahun Year	Suku Quarter	Jumlah langganan ^a Total Subscriptions	Kadar penembusan bagi 100 penduduk Penetration rate per 100 inhabitants
		('000)	(%)
2017	4	6,580.8	20.4
2018	1	6,545.0	20.0
	2	6,528.0	19.9
	3	6,508.0	20.0
	4	6,433.3	19.8

Nota penjelasan:

Explanatory notes:

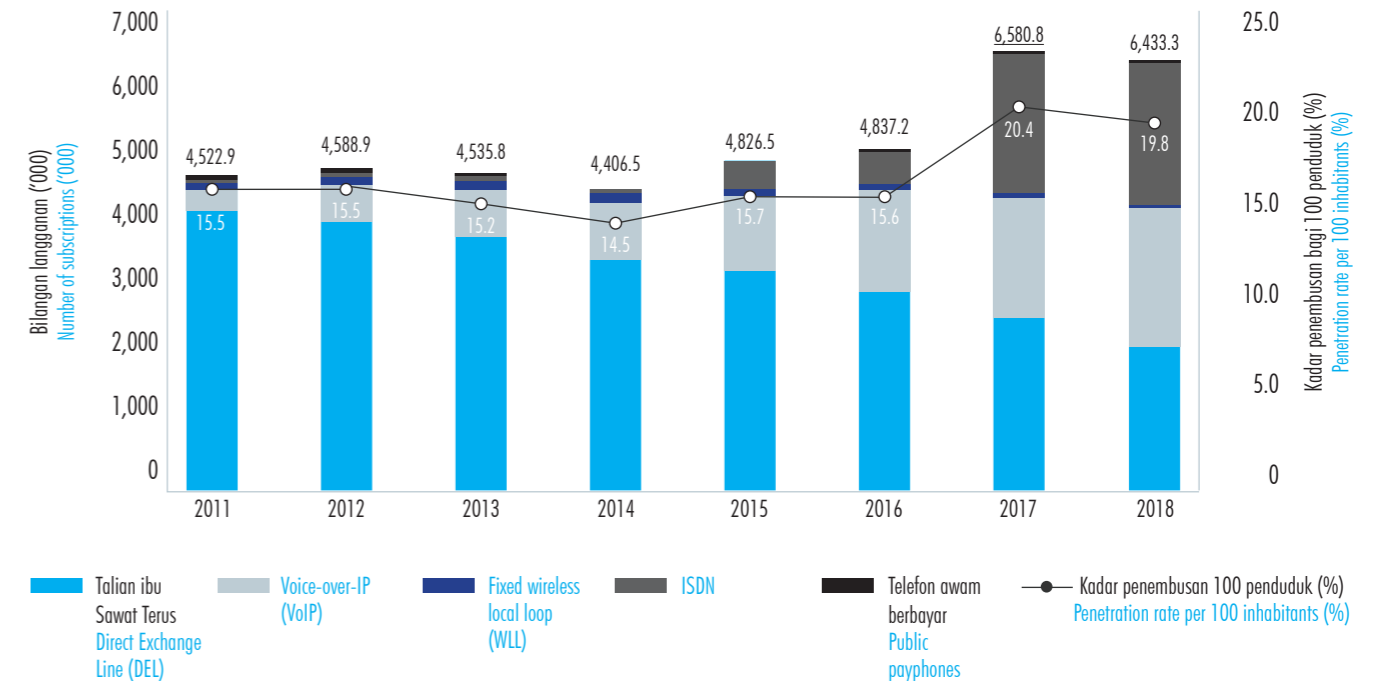
Kadar penembusan telefon tetap dikira sebagai jumlah langganan dan dibahagi jumlah penduduk dan didarabkan dengan 100

The fixed-telephone penetration rate refers to the total subscriptions divided by the total population and multiplied by 100

- a. Termasuk Talian Ibu Sawat Terus, VoIP, Fixed wireless local loop (WLL), ISDN dan telefon berbayar awam
Includes Direct Exchange Line (DEL), VoIP, Fixed wireless local loop (WLL), ISDN and public payphones

BILANGAN LANGGANAN TELEFON TETAP DAN KADAR PENEMBUSAN

NUMBER OF FIXED TELEPHONE SUBSCRIPTIONS AND PENETRATION RATE



19. BILANGAN LANGGANAN TALIAN IBU SAWAT TERUS DAN KADAR PENEMBUSAN

NUMBER OF DIRECT EXCHANGE LINE (DEL) SUBSCRIPTIONS AND PENETRATION RATE

Tahun Year	Suku Quarter	Isi rumah Households		Bukan isi rumah Non households	Jumlah langganan Total subscriptions	Kadar penembusan bagi 100 penduduk Penetration rate per 100 inhabitants
		Bilangan langganan Number of subscriptions	Kadar penembusan bagi 100 isi rumah Penetration rate per 100 households	Bilangan langganan Number of subscriptions		
		('000)	(%)	('000)	('000)	(%)
2017	4	1,758	22.3	1,198	2,956	9.2
2018	1	1,671	20.6	1,173	2,844	8.7
	2	1,612	19.8	1,152	2,764	8.4
	3	1,548	19.2	1,126	2,674	8.2
	4	1,456	18.0	1,099	2,555	7.8

Nota penjelasan:

Explanatory notes:

Sambungan Talian Ibu Sawat Terus merujuk kepada talian tetap yang menyambungkan peralatan pelanggan terus ke ibu sawat
Direct Exchange Line (DEL) connects a customer's equipment to the Public Switched Telephone Network (PSTN) and has a dedicated port on a telephone exchange

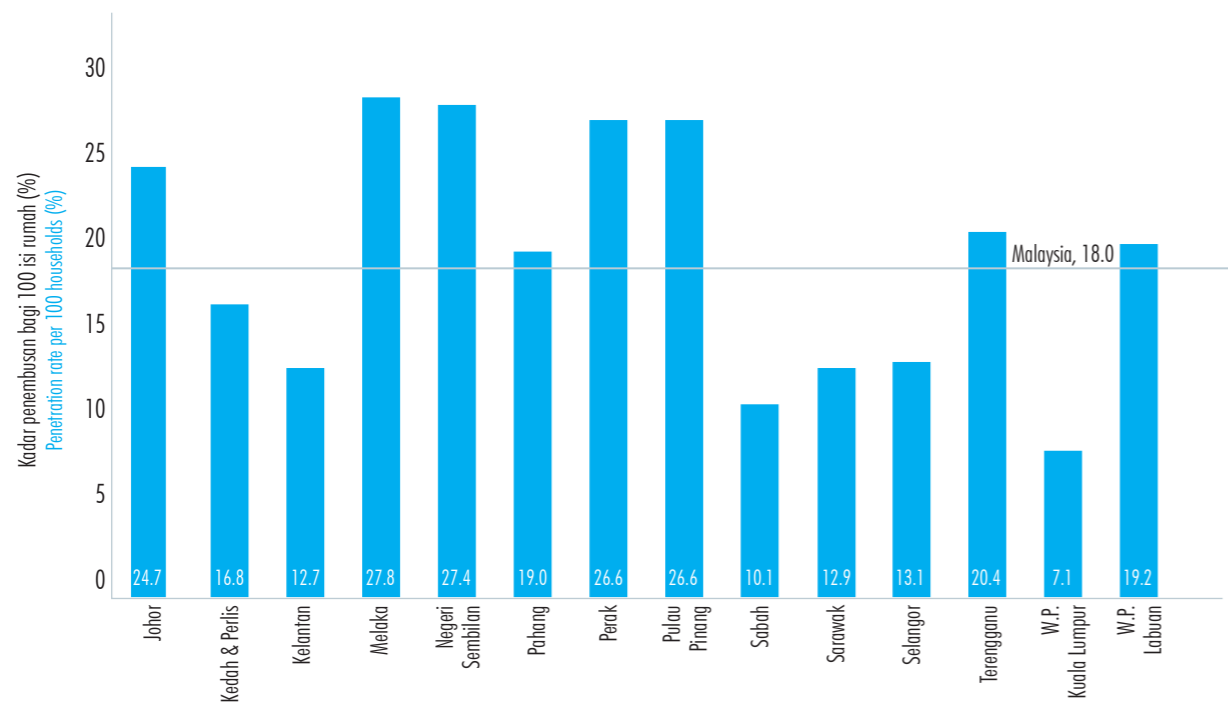
20. KADAR PENEMBUSAN TALIAN IBU SAWAT TERUS BAGI 100 ISI RUMAH MENGIKUT NEGERI (%)

DIRECT EXCHANGE LINE (DEL) PENETRATION RATE PER 100 HOUSEHOLDS BY STATE (%)

Tahun/Year	2017	2018			
	4	1	2	3	4
Suku/Quarter					
Negeri/State					
Johor	29.4	27.4	26.5	26.1	24.7
Kedah & Perlis	21.0	19.5	18.6	18.0	16.8
Kelantan	14.3	13.7	13.4	13.3	12.7
Melaka	33.4	31.3	30.1	29.3	27.8
Negeri Sembilan	32.5	30.8	29.8	28.9	27.4
Pahang	22.4	20.9	20.3	20.1	19.0
Perak	33.2	30.7	29.5	29.0	26.6
Pulau Pinang	32.8	30.7	29.5	28.3	26.6
Sabah	13.0	11.9	11.3	10.8	10.1
Sarawak	17.3	15.8	14.9	14.1	12.9
Selangor	16.1	14.9	14.3	13.9	13.1
Terengganu	24.5	23.3	22.5	21.8	20.4
W.P. Kuala Lumpur	8.7	7.8	7.5	7.5	7.1
W.P. Labuan	25.9	23.1	21.9	21.0	19.2
Malaysia	22.3	20.6	19.8	19.2	18.0

KADAR PENEMBUSAN TALIAN IBU SAWAT TERUS BAGI 100 ISI RUMAH MENGIKUT NEGERI, 2018

DIRECT EXCHANGE LINE(DEL) PENETRATION RATE PER 100 HOUSEHOLDS BY STATE, 2018



21. BILANGAN LANGGANAN TELEFON TETAP BAGI 100 PENDUDUK, NEGARA-NEGARA ASEAN

NUMBER OF FIXED-TELEPHONE SUBSCRIPTIONS PER 100 INHABITANTS, ASEAN COUNTRIES

Tahun Year	Singapura Singapore	Malaysia ^a	Brunei Darussalam	Lao P.D.R.	Thailand
2015	36.4	15.7	18.2	14.4	7.7
2016	35.5	15.6	17.5	18.7	6.8
2017	34.9	20.4	16.8	16.4	5.0

Tahun Year	Viet Nam	Indonesia	Filipina Philippines	Myanmar	Kemboja Cambodia
2015	7.8	4.0	3.2	1.0	1.7
2016	5.9	4.1	3.7	1.0	1.4
2017	4.6	4.2	4.0	1.0	0.8

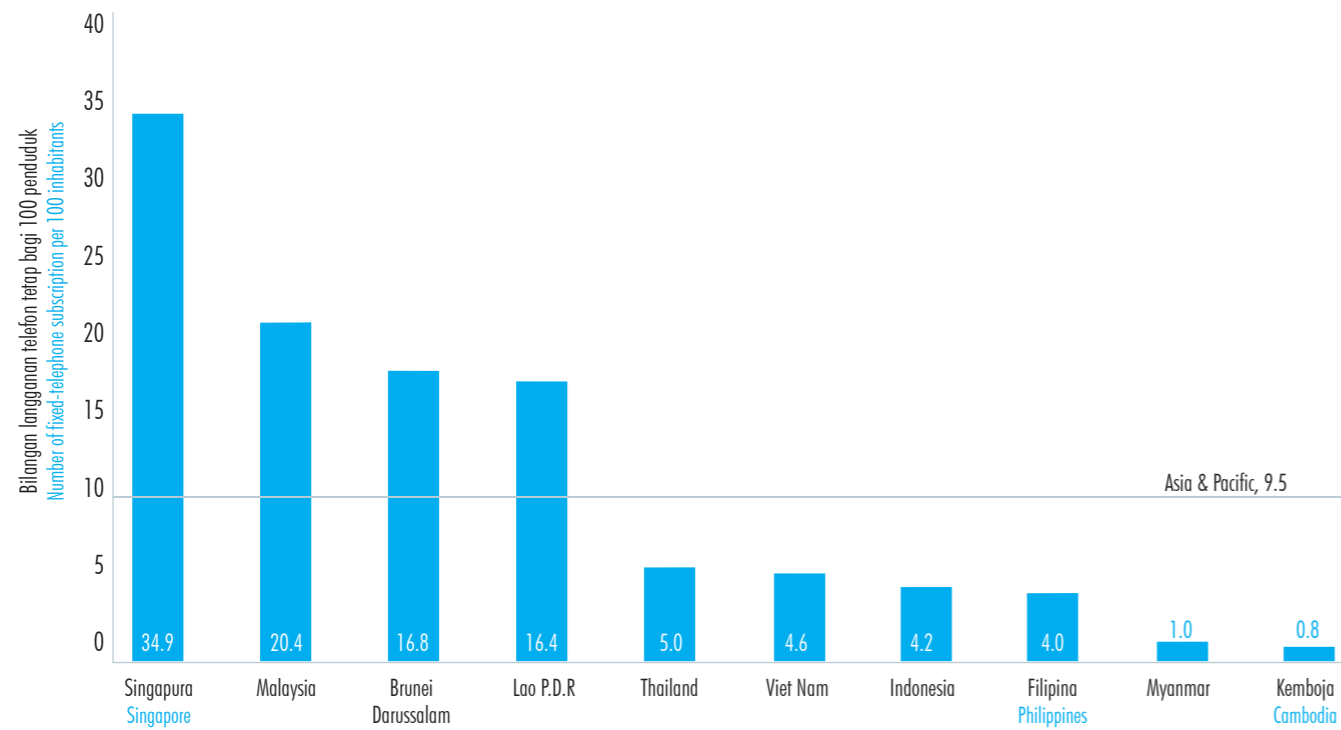
Sumber / Source: MCMC, ITU

Nota penjelasan:
Explanatory notes:

- a. Angka mungkin berbeza dengan pengiraan ITU disebabkan oleh semakan semula oleh MCMC dan perbezaan bilangan penduduk yang digunakan
Figure may differ from ITU calculation due to the revision made by MCMC and difference in the number of population used

BILANGAN LANGGANAN TELEFON TETAP BAGI 100 PENDUDUK, NEGARA-NEGARA ASEAN, 2017

NUMBER OF FIXED-TELEPHONE SUBSCRIPTIONS PER 100 INHABITANTS, ASEAN COUNTRIES, 2017



22. BILANGAN LANGGANAN TELEFON TETAP BAGI 100 PENDUDUK BAGI 10 RAKAN DAGANG TERBESAR, MALAYSIA

NUMBER OF FIXED-TELEPHONE SUBSCRIPTIONS PER 100 INHABITANTS FOR 10 BIGGEST TRADING PARTNERS, MALAYSIA

Tahun Year	Hong Kong SAR	Taiwan	Korea Selatan South Korea	Jepun Japan	Amerika Syarikat USA	Singapura Singapore
2015	59.8	59.3	57.1	49.8	39.0	36.4
2016	59.1	58.5	55.2	50.2	37.7	35.5
2017	57.7	57.4	52.7	50.2	37.0	34.9

Tahun Year	Malaysia ^a	China	Thailand	Indonesia	India
2015	15.7	16.5	7.7	4.0	1.9
2016	15.6	14.7	6.8	4.1	1.8
2017	20.4	13.7	5.0	4.2	1.7

Sumber / Source: MCMC, ITU

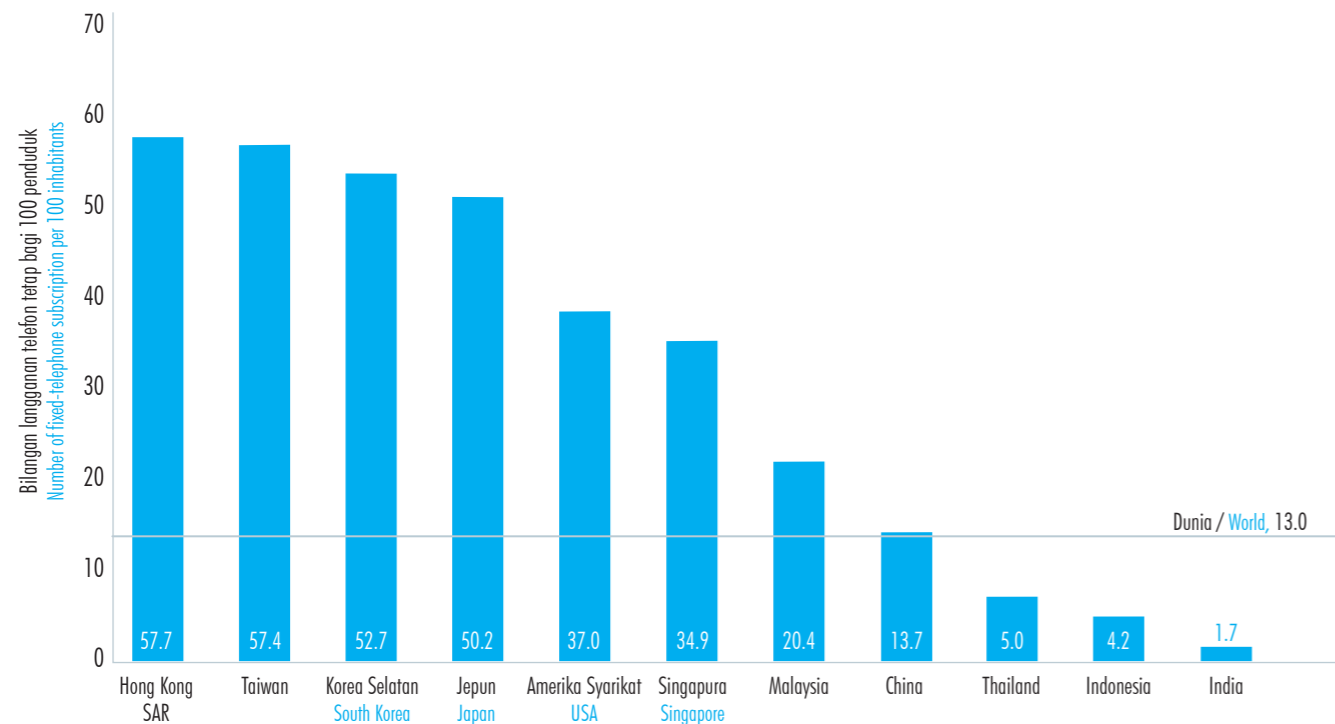
Nota penjelasan:

Explanatory notes:

- a. Angka mungkin berbeza dengan pengiraan ITU disebabkan oleh semakan semula oleh MCMC dan perbezaan bilangan penduduk yang digunakan
Figure may differ from ITU calculation due to the revision made by MCMC and difference in the number of population used

BILANGAN LANGGANAN TELEFON TETAP BAGI 100 PENDUDUK, BAGI 10 RAKAN DAGANG TERBESAR, MALAYSIA, 2017

NUMBER OF FIXED-TELEPHONE SUBSCRIPTIONS PER 100 INHABITANTS, FOR 10 BIGGEST TRADING PARTNERS, MALAYSIA, 2017



TV DAN RADIO TV AND RADIO



23. BILANGAN LANGGANAN TV BERBAYAR DAN KADAR PENEMBUSAN

NUMBER OF PAY TV SUBSCRIPTIONS AND PENETRATION RATE

Tahun Year	Suku Quarter	Bilangan langganan Number of subscriptions			Kadar penembusan bagi 100 isi rumah Penetration rate per 100 households (%)
		Isi rumah Households	Bukan isi rumah Non households (^{'000})	Jumlah Total	
2017	4	6,542	231	6,774	83.2
2018	1	6,681	238	6,919	82.2
	2	6,860	246	7,106	84.1
	3	6,935	253	7,187	86.0
	4	7,059	261	7,319	87.3

Nota penjelasan:

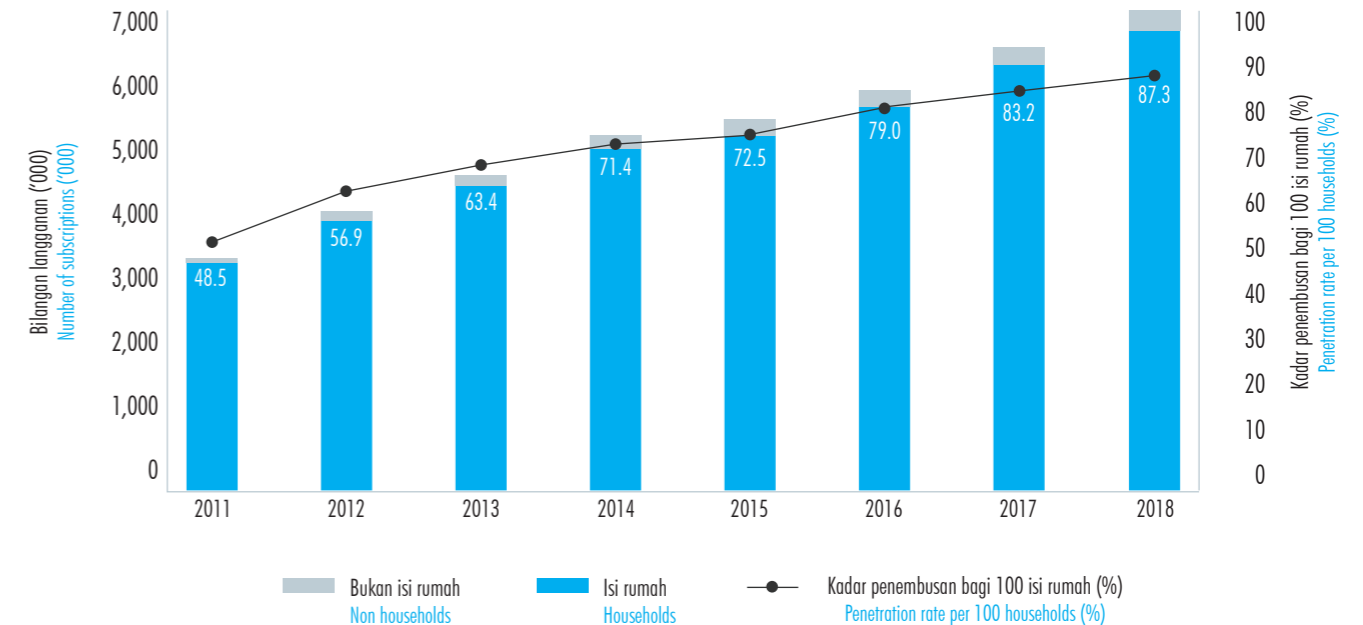
Explanatory notes:

Televisyen berbayar termasuk IPTV

Pay TV is inclusive of IPTV

BILANGAN LANGGANAN TV BERBAYAR DAN KADAR PENEMBUSAN

NUMBER OF PAY TV SUBSCRIPTIONS AND PENETRATION RATE



24. PERATUSAN CAPAIAN TELEVISYEN ISI RUMAH MENGIKUT NEGERI

PERCENTAGE OF TELEVISION ACCESS BY HOUSEHOLD BY STATE

Negeri State	2017	2018
		(%)
Johor	99.4	99.2
Kedah	98.9	99.1
Kelantan	98.6	98.7
Melaka	98.6	99.2
Negeri Sembilan	99.0	98.8
Pahang	97.4	97.5
Perak	96.6	98.8
Perlis	99.9	99.7
Pulau Pinang	99.1	99.1
Sabah	96.5	96.5
Sarawak	98.1	97.2
Selangor	98.8	98.9
Terengganu	99.5	99.6
W.P. Kuala Lumpur	99.4	99.4
W.P. Labuan	100.0	98.7
W.P. Putrajaya	99.7	98.8
Malaysia	98.5	98.6

Sumber / Source:

Laporan Penyiasatan Penggunaan dan Capaian ICT oleh Individu dan Isi Rumah, DOSM
ICT Use and Access by Individuals and Households Survey Report, DOSM**25. PERATUSAN CAPAIAN RADIO ISI RUMAH MENGIKUT NEGERI**

PERCENTAGE OF RADIO ACCESS BY HOUSEHOLD BY STATE

Negeri State	2017	2018
		(%)
Johor	95.9	97.6
Kedah	94.3	94.1
Kelantan	90.3	90.7
Melaka	93.8	94.2
Negeri Sembilan	96.6	97.5
Pahang	92.8	93.7
Perak	90.6	94.1
Perlis	97.2	97.2
Pulau Pinang	99.8	98.9
Sabah	85.0	87.2
Sarawak	97.3	97.1
Selangor	97.7	97.2
Terengganu	98.5	98.6
W.P. Kuala Lumpur	98.0	99.2
W.P. Labuan	88.3	93.4
W.P. Putrajaya	97.5	98.2
Malaysia	94.9	95.7

Sumber / Source:

Laporan Penyiasatan Penggunaan dan Capaian ICT oleh Individu dan Isi Rumah, DOSM
ICT Use and Access by Individuals and Households Survey Report, DOSM

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TANDATANGAN DIGITAL DIGITAL SIGNATURE



26. BILANGAN LESEN PIHAK BERKUASA PEMERAKUAN

NUMBER OF CERTIFICATION AUTHORITIES

Tahun Year	Suku Quarter	Bilangan lesen Number of licenses
2017	4	4
2018	1	4
	2	4
	3	4
	4	4

Nota penjelasan:

Explanatory notes:

Merujuk kepada Pihak Berkuasa Pemerakuan yang dilesenkan di bawah Akta Tandatangan Digital 1997

Refers to Certification Authorities licenced under the Digital Signature Act 1997

27. BILANGAN SIJIL YANG DIKELUARKAN MENGIKUT JENIS

NUMBER OF CERTIFICATES ISSUED BY TYPE

Tahun Year	Suku Quarter	Pemegang domestik Domestic holders			Pemegang luar negara Foreign holders	Jumlah Total
		Individu Individual	Organisasi Organisation		Organisasi Organisation	
			Kerajaan Government	Korporat Corporate	Kerajaan & Korporat Government & Corporate	
		('000)				
2017	4	20.7	10,716.8	304.0	1.1	11,042.7
2018	1	23.5	11,101.0	320.5	1.1	11,446.1
	2	25.5	11,781.3	334.7	1.1	12,142.6
	3	28.2	11,899.1	355.4	1.1	12,283.8
	4	30.7	11,954.9	381.7	1.1	12,368.4

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KEDUDUKAN MALAYSIA DALAM INDEKS BERKAITAN ICT *MALAYSIA RANKING FOR ICT RELATED INDICES*



28. KEDUDUKAN MALAYSIA DALAM INDEKS BERKAITAN ICT

MALAYSIA RANKING FOR ICT RELATED INDICES

Tahun Year	ICT Development Index (IDI) ^a	E-Government Development Index (EGDI) ^b	Networked Readiness Index (NRI) ^c
2016	62	60	31
2017	63
2018	...	48	...

Nota penjelasan:

Explanatory notes:

- ICT Development Index (IDI): Indeks ini mengukur tahap kemajuan ICT. Ia juga mengukur jurang digital global dan mengkaji bagaimana jurang ini berkembang pada tahun-tahun kebelakangan ini. Indeks ini diterbitkan oleh International Telecommunication Union
ICT Development Index (IDI): IDI captures the level of advancement of ICTs. It also measures the global digital divide and examines how it has developed in recent years. This index is produced by the International Telecommunications Union
- E-Government Development Index (EGDI): EGDI menilai pembangunan E-Kerajaan negara-negara anggota Pertubuhan Bangsa-Bangsa Bersatu. Salah satu komponen EGDI adalah Telecommunication Infrastructure Index (TII) di mana Malaysia berada di kedudukan ke 59 pada tahun 2018. Indeks ini diterbitkan oleh UN Public Administration Network setiap dua tahun
E-Government Development Index (EGDI): The E-Government Development Index presents the state of E-Government Development of the United Nations Member States. One of the component in EGDI is Telecommunication Infrastructure Index (TII), in which Malaysia ranks 59 in 2018. This index is published by the UN Public Administration Network every two years
- Networked Readiness Index (NRI): NRI mengukur keupayaan negara mengeksploitasikan peluang-peluang yang disediakan oleh ICT. Indeks ini telah disusun untuk 139 ekonomi oleh World Economic Forum
Networked Readiness Index (NRI): NRI measures the propensity for countries to exploit the opportunities offered by ICT. The index has been compiled for 139 economies by World Economic Forum

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UNTUK STATISTIK-STATISTIK LAIN

FOR MORE STATISTICS

LAMAN SESAWANG WEBSITE

Laman sesawang MCMC mengandungi ekstrak statistik-statistik yang berkaitan industri komunikasi & multimedia dan pos & kurier. Statistik-statistik ini dikemaskini pada setiap suku/setengah tahun

The MCMC website contains extracts of statistics pertaining to the communications & multimedia and postal & courier industries, updated quarterly/half yearly

Layari www.mcmc.gov.my

Visit www.mcmc.gov.my

PENERBITAN STATISTIK YANG LAIN OTHER STATISTICAL PUBLICATIONS

1. Perkhidmatan Pos & Kurier: Buku Maklumat Statistik (ISSN: 2231-9913)
Postal & Courier Services: Pocket Book of Statistics (ISSN: 2231-9913)
2. Kajian Pengguna Telefon Bimbit Tahunan (ISSN: 1823-2523)
Yearly Hand Phone User Survey (ISSN: 1823-2523)
3. Kajian Pengguna Internet Tahunan (ISSN: 1823-2523)
Yearly Internet User Survey (ISSN: 1823-2523)
4. Kajian Pengguna Radio 2017 (e-Penerbitan)
Radio User Survey 2017 (e-Publication)

JABATAN STATISTIK

STATISTICS DEPARTMENT

HUBUNGI CONTACTS

Sila hubungi Jabatan Statistik MCMC sekiranya anda mempunyai pertanyaan berkaitan statistik-statistik yang diterbitkan oleh MCMC di alamat e-mel berikut:

Please contact the Statistics Department MCMC if you have any queries regarding the statistics published by MCMC at the following email address:

statistics@mcmc.gov.my

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