

•

5G

2022-08-21

1958—

/

“

”

21FGJB020

“

2021—2022 ”

digital infrastructure

5G



a Kompas. “Menkominfo Paparkan Roadmap Indonesia Digital 2021-2024”, 12th July 2021, <https://nasional.kompas.com/read/2021/12/07/10402261/menkominfo-paparkan-roadmap-indonesia-digital-2021-2024?page=all>.

b World Bank (2009). Information and Communications for Development 2009: Extending Reach and Increasing Impact. Washington, DC: World Bank.p45.

c Google, TEMASEK, Bain & Company 2021 . e-Conomy SEA report 2021: Roaring 20s: The SEA Digital Decade. <https://www.temasek.com.sg/en/news-and-resources/subscribe/google-temasek-e-conomy-sea-2021>.

2021
 4000
 6000
 2020
 1700
 49%^a
 2010
 2025
 75%
 620
 63% 2022
 2010 10
^b 2016 9
^c

“ ” AWSC

2017 (ITU)
 ICT

^a Google, TEMASEK, Bain & Company 2020 . e-Conomy SEA report 2020 Google, TEMASEK, Bain & Company 2021 . e-Conomy SEA report 2021.

ICT	ICT	11	176
4	100		18
53	63	78	101
108	111	122	128
135	144	^a	
		^b	
		2021	10
			2020
		13	6
		2030	5G
			^c
			5G
	GDP	5%	GDP
	1%—2%	^d	
		2020—2024	
6445	2385	37%	1353

^a International Telecommunication Union (2017). Measuring the Information Society Report 2017. Geneva: ITU, p31.

^b ASEAN Secretariat (2021). ASEAN Digital Masterplan 2025. Jakarta: ASEAN Secretariat.

^c ASEAN (2022). 2022 Digital Masterplan. p. 6

^d ASEAN (2013). An Intelligence Report. Infrastructure Investor April 2013. PEI Ltd., p5.

			200		26
	BRG		42	272	2019 10
	2028				
			2025		
2011 1	2016 6			2015	
2020			2020		
					a
2025					
					b
2018					
”			c 2019		“
	2019—2025				
					“
”	AEO				
					d

a ASEAN Secretariat (2011). ASEAN ICT Masterplan 2015. Jakarta: ASEAN Secretariat.
 b ASEAN Secretariat (2016). ASEAN ICT Masterplan 2020. Jakarta: ASEAN Secretariat.
 c ASEAN Secretariat (2018). ASEAN Digital Integration Framework. Jakarta: ASEAN Secretariat.
 d ASEAN Secretariat (2019). ASEAN Digital Integration Framework Action Plan (2019-2025). Jakarta: ASEAN Secretariat.

2020 10

a

2021 1

2025

8

b

2018

“ ”

ASW

ATIGA

ATIGA e-Form

D

2020 11

ACTS

2020 11

2021 5G 10 150
 5G 2021 7 DNB
 110 5G
 2024 5G
 5G
 5G 5G 2021 7090
 1879 Viettel
 5G 5G

Wakefield 2019 Cushman &
 colocation 2019—2024
 12.9
 a

2015 SingTel 2.85

STT Keppel Singtel AirTrunk Telstra NTT Global Switch Equinix
 2019 7 CMI
 Zoom Video Communications
 2020 8 AirTrunk
 2020 12
 “SGP1”
 2019—2025
 8% 2025 8
 10 b

Centre Vertiv PCCW G3 Global Microsoft AIMS Data

a

2019 8 19

b Arizton Advisory & Intelligence 2020 . Malaysia Data Center Market-Investment Analysis and Growth Opportunities 2020-2025.

2020 10
11%
Cipta Caraka 10 5

G3 Global Berhad
10
2019—2025

Telkom

PT Sigma

2019 55 2030 195
 G3
 100 “ ”

2021 2 2030
 2030
 50

a Viettel FPT VNPT

2018 ASCN

26
 2006 “

2015” 2015 260
 3 600 8
 100% b 2014 “

2025”

DEPA 20 100

39 “ 2020 5 ”

BOI 2022 3 EEC

1.5 1.34 c

2018 8 2025
 2030 2019

10 BRG

a 2021 1 28

b IDA. iN 2015 Masterplan. <http://www.ida.gov.sg/Infocomm-Landscape/iN2015-Masterplan.aspx>.

c EEC 2022 3 23

2028

a

5G

r

«

5