

REFERENCES

- [1] Badan Pusat Statistika. "Statistik Telekomunikasi Indonesia".2020
- [2] Shanshan Wang, Konstantinos Samdanis, Xavier Costa Perez, and Marco Di Renzo. "*On Spectrum and Infrastructure Sharing in Multi-Operator Cellular Networks*". IEEE 23rd International Conference on Telecommunications (ICT). June 2016
- [3] Tachporn Sanguanpuak, Sudarshan Guruacharya, Ekram Hossain, dkk. "*Infrastructure Sharing for Mobile Network Operators: Analysis of Trade-offs and Market*". IEEE Transactions on Mobile Computing, Vol. 17, Issue 12, Dec 2018.
- [4] website kominfo.go.id. Implementasi 5G, Menkominfo: Pemerintah Fokus Perkecil Disparitas Akses Internet. Available From: https://www.kominfo.go.id/content/detail/34173/siaran-pers-no-146hmkominfo042021-tentang-implementasi-5g-menkominfo-pemerintah-fokus-perkecil-disparitas-akses-internet/0/siaran_pers [Accessed 22 Agustus 2022]
- [5] KOMINFO "Siaran Pers No. 39/HM/KOMINFO/02/2022 Tentang Kominfo Harapkan Implementasi 5G Mulai Merata Tahun 2025" Online Available: https://www.kominfo.go.id/content/detail/39837/siaran-pers-no-39hmkominfo022022-tentang-kominfo-harapkan-implementasi-5g-mulai-merata-tahun-2025/0/siaran_pers [Accessed 22 September 2022]
- [6] Jacek Kibilda, Paolo Di Francesco, Francesco Malandrino, Luiz A. DaSilva. "*Infrastructure and Spectrum Sharing Trade-offs in Mobile Networks*". IEEE International Symposium on Dynamic Spectrum Access Networks (DySPAN). Dec 2015.
- [7] website tekno.kompas.com Empat Prioritas Utama untuk 5G di Indonesia, available from: <https://tekno.kompas.com/read/2020/09/25/17160097/empat->

- prioritas-utama-untuk-5g-di-indonesia [Accessed 22 Agustus 2022]
- [8] ITU-R, Setting the Scene for 5G: Opportunities & Challenges, 2018.
- [9] DotEcon Ltd and Axon Partners Group, Study on Implications of 5G Deployment on Future Business Models, 2018.
- [10] Ericsson. (2016). Ericsson Mobility Report: ON THE PULSE OF THE NETWORKED SOCIETY November 2016. Online available from:
<https://www.ericsson.com/4add89/assets/local/reports-papers/mobility-report/documents/2017/emr-interim-february-2017.pdf>
- [11] Checko, A., Christiansen, H. L., Yan, Y., Scolari, L., Kardaras, G., Berger, M. S., Dittmann, L. (2015). Cloud RAN for Mobile Networks - A Technology Overview. IEEE Communications Surveys and Tutorials, 17(1), 405–426.
<https://doi.org/10.1109/COMST.2014.2355255>
- [12] Shah Nawaz Khan, Leonardo Goratti, Roberto Riggio, Shahriar Hasan. “*On Active, Fine-Grained RAN and Spectrum Sharing in Multi-Tenant 5G Networks*”. IEEE 28th Annual International Symposium on Personal, Indoor, and Mobile Radio Communications (PIMRC). Feb 2018
- [13] Peraturan Presiden No. 63 Tahun 2022 Tentang Perincian Rencana Induk Ibu Kota Nusantara
- [14] Djamal-Eddine Meddour, Tinku Rasheed, Yvon Gourhant.” *On the Role of Infrastructure sharing for Mobile Network Operators in Emerging Markets*”. Elsevier: Journal Computer Networks. 2011
- [15] ITU, *Guidelines for the preparation of a National Table of Frequency Allocations (NTFA)*. 2015
- [16] website tekno.kompas.com. Daftar Pita Frekuensi Operator Seluler di Indonesia dan Alokasinya available :
<https://tekno.kompas.com/read/2021/06/24/16020067/daftar-pita-frekuensi-operator-seluler-di-indonesia-dan-alokasinya> [Accessed 24 June 2021]

- [17] Techplayon 5GNR Topic available: <https://www.techplayon.com/5gnr/>
[Accessed 24 August 2022]
- [18] Samsung White Paper, "5G Standalone Architecture Technical", January 2021
- [19] website DIGI.com What is 5G Network Architecture? available:
<https://www.digi.com/blog/post/5g-network-architecture> [Accessed 24 August 2022]
- [20] GSMA Infrastructure Sharing: An Overview online Available:
https://www.gsma.com/futurenetworks/wiki/infrastructure-sharing-an-overview/#_ftnref1 [Accessed 02 February 2020]
- [21] website Wikipedia available: https://en.wikipedia.org/wiki/Cost-benefit_analysis [Accessed 11 June 2022]
- [22] Lawrence, S., & Mears, D.P. (2004). Benefit-cost analysis of supermax prisons: Critical steps and considerations. Washington, DC: Urban Institute
- [23] Wahyuni, S., Khoirudin, R., Irawati, N., Nugroho, A. (2020)., "Evaluasi Pemanfaatan Aset Barang Milik Daerah dengan Analisis Cost and Benefit (CBA) pada Stadion Mandala Krida Yogyakarta. Jurnal Manajemen Aset Infrastruktur & Fasilitas – Vol. 4, No. 1, Januari 2020
- [24] Lampiran Salinan Perpres Nomor 63 Tahun 2022 (BAB VI)
- [25] Techplayon 5G Network RF Planning – Link Budget Basics. online available:
<https://www.techplayon.com/5g-network-rf-planning-link-budget-basics/>
[Accessed 24 August 2022]
- [26] User Equipment (UE) radio access capabilities (3GPP TS 38.901 version 17.0.0 Release 17)
- [27] User Equipment (UE) radio access capabilities (3GPP TS 38.306 version 15.3.0 Release 15)
- [28] Guide to Cost-Benefit Analysis of Investment Projects, December 2014
- [29] Harry F. Campbell and Richard P. C. Brown, 2003. Benefit-Cost Analysis,

Financial and Economic Appraisal using Spreadsheets

- [30] Pujawan, I Nyoman, 2012. Ekonomi Teknik Edisi Kedua. Surabaya: Guna Widya online Available:
<https://archive.org/details/BukuEkonomiTeknik/page/n21/mode/2up> [Accessed 13 November 2020]
- [31] Undang-Undang No.11 Tahun 2020 Tentang Cipta Kerja
- [32] Peraturan Pemerintah No.46 Tahun 2021 Tentang Pos, Telekomunikasi, dan Penyiaran
- [33] Peraturan Menteri KOMINFO No. 5 Tahun 2021 Tentang Penyelenggaraan Telekomunikasi
- [34] GSMA Intelligence. The Mobile Economy Asia Pacific 2022.
- [35] Indonesia Telecoms Industry Report 2022-2027, Research and Market Online Available: <https://www.globenewswire.com/en/news-release/2022/06/16/2463764/28124/en/Indonesia-Telecoms-Market-Growth-Trends-and-Forecasts-to-2027-Take-up-of-5G-Forecast-to-Ramp-up-to-9M-by-end-of-2022-and-183M-Subscribers-by-2027.html> [Accessed 18 August 2022]
- [36] Wellington Capital Advisory. The Mobile Telecoms Industry in Indonesia Enters The 5G Era, November 2021
- [37] KPMG Encouraging 5G Investment, December 2019
- [38] GSMA Intelligence. The Mobile Economy 2019.
- [39] Telecoms.com (2018), 'Germany frees up the whole of C-Band for 5G and the GSMA approves, sort of, online Available:
<https://telecoms.com/493618/germany-frees-up-the-wholeof-c-band-for-5g-and-the-gsma-approves-sort-of/> [Accessed 14 September 2022]
- [40] Reuters (2019), 'Portugal plans auction of 5G frequencies next year,
<https://uk.reuters.com/article/us-portugaltelecoms-5g-auction/portugal-plans-auction-of-5gfrequencies-next-year-idUKKBN1X21ST> [Accessed 14 September 2022]

[41] BEREC (2018), ‘BEREC Report on infrastructure sharing’

[42] FCC (2019), ‘FCC Proposes \$20.4 Billion Rural Digital Opportunity Fund’, <https://www.fcc.gov/document/fccproposes-204-billion-rural-digital-opportunity-fund-0>, and Gov.uk (2019), ‘£1 billion deal set to solve poor mobile coverage’, <https://www.gov.uk/government/news/1-billiondeal-set-to-solve-poor-mobile-coverage> [Accessed 14 September 2022]

[43] Telecoms.com (2019), ‘Shenzhen Subsidizes 5G Deployment: Why Are Governments around the World Subsidizing 5G?’, <https://telecoms.com/intelligence/shenzhen-subsidizes-5gdeployment-why-are-governments-around-the-worldsubsidizing-5g/> [Accessed 14 September 2022]