

REFERENCES

- [1] A. Morgado, K. M. S. Huq, S. Mumtaz, and J. Rodriguez, "A survey of 5G technologies: regulatory, standardization and industrial perspectives," *Digit. Commun. Networks*, vol. 4, no. 2, pp. 87–97, 2018.
- [2] GSMA, "5G Roadmap Workshop", Kominfo , Indonesia 1-2 Sept, 2022.
- [3] W. Premchaiswadi and S. Pattanavichai, "Pricing model and real options in 4G LTE mobile network," *Proc. - 13th ACIS Int. Conf. Softw. Eng. Artif. Intell. Networking, Parallel/Distributed Comput. SNPD 2012*, pp. 54–59, 2012.
- [4] N. C. Luong, P. Wang, D. Niyato, Y. C. Liang, Z. Han, and F. Hou, "Applications of Economic and Pricing Models for Resource Management in 5G Wireless Networks: A Survey," *IEEE Commun. Surv. Tutorials*, vol. PP, no. c, p. 1, 2018.
- [5] KOMINFO, "Kajian Congestion jaringan telekomunikasi bergerak seluler wilayah rural." pp. 1–5, 2017.
- [6] R. Q. Hu and Y. Qian, *Heterogeneous Cellular Networks*. 2013.
- [7] C. Coletti, "Heterogeneous Deployment Analysis for Cost-Effective Mobile Network Evolution - An LTE Operator Case Study -," 2013.
- [8] F. C. H. Ã and V. P. Tanguturi, "Investment decisions in the wireless industry applying real options," vol. 31, pp. 107–123, 2007.
- [9] "Pricing Catalog Soft Bank Mobile Japan."
- [10] I. T. Union, R. S. I. Faq, and I. M. Telecommunications, "Question : What is ITU ' s role in IMT ? Question : What does IMT stand for ? Question : What is IMT- 2000 versus IMT-Advanced ? Question : What technology is IMT-Advanced ? Question : Which technologies meet the IMT-Advanced criteria and specification ? Q," no. May 2013, pp. 1–7, 2014.
- [11] K. Johansson, J. Zander, and A. Furuskär, "Modelling the cost of

- heterogeneous wireless access networks,” *Int. J. Mob. Netw. Des. Innov.*, vol. 2, no. 1, pp. 58–66, 2007.
- [12] GSMA, “Road to 5G : Introduction and Migration,” *Gsma*, no. April, p. 54, 2018.
- [13] E. J. Oughton, K. Katsaros, F. Entezami, and D. Kaleshi, “An Open-source
- [14] A. Sood, G. M. James, and G. J. Tellis, “Functional regression: A new model for predicting market penetration of new products,” *Mark. Sci.*, vol. 28, no. 1, pp. 36–51, 2009, doi: 10.1287/mksc.1080.0382
- Techno-economic Assessment Framework for 5G Deployment,” *IEEE Access*, vol. PP, no. November, p. 1, 2019.
- [15] R. P. Web, “Indonesia Telkomsel 5G Trial for Industry 4.0.” .
- [16] N. R. Fachrurrozi, “Analisa Kelayakan Capital Budgeting Jaringan Backbone Kabel Serat Optik Palapa Ring (Studi Kasus : Palapa Ring Barat).”
- [17] B. P. Statistik, “Kota Bandung dalam Angka,” 208AD.
- [18] U. Mir, L. Nuaymi, M. H. Rehmani, and U. Abbasi, “Pricing strategies and categories for LTE networks,” *Telecommun. Syst.*, vol. 68, no. 2, pp. 183–192, 2018.
- [19] G. Smail, “Techno-economic Analysis and Prediction for the Deployment of 5G Mobile Network,” no. 2015, pp. 9–16, 2017.
- [20] S. Tombaz, P. Monti, F. Farias, M. Fiorani, L. Wosinska, and J. Zander, “Is Backhaul Becoming a Bottleneck for Green Wireless Access Networks ?,” no. March, 2014.
- [21] Q. Safikani, “How Much Wil We pay for 5G,” 2019.
- [22] Keysight, “Understanding the 5G NR Physical Layer,” 2017.
- [23] A.Hikmaturrohman, K. Ramli and M Suryanegara, “ Spectrum Considerations for 5G in Indonesia “2018 International Conference on ICT for rural Development (IC-ICTRuDev.

- [24] H. Tataria, K. Haneda, A. F. Molish, M. Safi, F. Tufvesson, "Standardization of propagation models for terrestrial cellular systems" A Historical perspective" *International journal of wireless information networks* 28:20-44, September 2020.
- [25] ETSI, "ETSI TS 138 306 - V16.5.0 - 5G; NR; User Equipment (UE) radio access capabilities (3GPP TS 38.306 version 16.5.0 Release 16)," Etsi Ts 138 306, 2021.
- [26] A. A. Kusuma and M. Suryanegara, "Upgrading Mobile Network to 5G: The 58 technoeconomic Analysis of Main Cities in Indonesia," 2019 16th Int. Conf. Qual. Res. QIR 2019 - Int. Symp. Electr. Comput. Eng., pp. 1–6, 2019.
- [27] 3GPP, "3GPP TR 138.901 version 15.0.0 Release 15: 5G Study on channel model for frequencies from 0.5 to 100 GHz," 2018.