

DAFTAR PUSTAKA

- [1] "Jumlah Pulau," *KKP*, 2020. <https://kkp.go.id/djprl/p4k/page/4270-jumlah-pulau#>
- [2] D. AMNIFU, "Susahnya Mencari Sinyal di Desa Letbaun, berjarak 20 kilometer Dari Kota Kupang," <https://katantt.com/mobile/artikel/44563/-Susahnya-Mencari-Sinyal-di-Desa-Letbaun-Berjarak-20-Kilometer-dari-Kota-Kupang/>, Apr. 19, 2022. <https://www.katantt.com/artikel/44563/-susahnya-mencari-sinyal-di-desa-letbaun-berjarak-20-kilometer-dari-kota-kupang/>
- [3] BPS Provinsi NTT, "Persentase Penduduk Berumur 5 Tahun ke Atas yang Menguasai/Memiliki Telepon Seluler (HP) dalam 3 Bulan Terakhir (Persen), 2020-2022," *BPS Provinsi NTT*. <https://ntt.bps.go.id/indicator/2/1038/1/persentase-penduduk-berumur-5-tahun-ke-atas-yang-menguasai-memiliki-telepon-seluler-hp-dalam-3-bulan-terakhir.html>
- [4] D. T. AG, "LTE: How does it work? what can it do? where is it available?," *What is LTE? Nine facts about the LTE network | Deutsche Telekom*. Aug. 2020. [Online]. Available: <https://www.telekom.com/en/company/details/the-nine-most-important-facts-about-lte-606446>
- [5] A. Kukushkin, *Introduction to Mobile Network Engineering*, 1st ed. New York: John Wiley & Sons Ltd, 2018.
- [6] Author, "Spectral Efficiency : 5G-NR and 4G-LTE," *Techplayon*. Jul. 2018. [Online]. Available: <http://www.techplayon.com/spectral-efficiency-5g-nr-and-4g-lte/>
- [7] "What is spectrum efficiency?" <https://www.techtarget.com/searchmobilecomputing/definition/spectrum-efficiency> (accessed Sep. 15, 2023).
- [8] Unknown, "Resource block," *Resource Block*. May 2015. [Online]. Available: <http://teknologi-4g-lte.blogspot.com/2015/05/resource-block.html>
- [9] U. K. Usman, G. Prihatmoko, D. K. Hendraningrat, and S. D. Purwanto, *Fundamental Teknologi Seluler LTE*, 1st ed. Bandung: Penerbit Rekayasa Sains, 2012.
- [10] O. Liberg, M. Sundberg, Y.-P. E. Wang, J. Bergman, J. Sachs, and G. Wikström, "LTE-M," *Cellular Internet of Things*, pp. 155–254, 2020, doi: 10.1016/B978-0-08-102902-2.00005-4.
- [11] S. Ariyanti and B. A. Purwanto, "Analisis Kinerja Penggunaan Modulasi QPSK, 8PSK, 16QAM pada Satelit Telkom-1," *Bulletin of Postage and Telecommunications*, vol. 11, no. 1, pp. 45–64, May 2013, doi: 10.17933/bpostel.2013.110104.
- [12] R. F. Masood, "Adaptive Modulation (QPSK, QAM)," May 2013, Accessed: May 10, 2023. [Online]. Available: https://www.researchgate.net/publication/235738046_Adaptive_Modulation_QPSK_QAM

- [13] A. B. Carlson and P. B. Crilly, *Communication systems : an introduction to signals and noise in electrical communication*, 5th ed. New York: McGraw-Hill Higher Education, 2010.
- [14] D. Meiwindra, I. Santoso, and A. Ajulian Zahra, "Makalah Seminar Tugas Akhir PENENTUAN TIPE MODULASI DIGITAL MENGGUNAKAN TRANSFORMASI WAVELET DENGAN PENDEKATAN STATISTIK." Accessed: May 10, 2023. [Online]. Available: http://eprints.undip.ac.id/25888/1/Makalah_Seminar_Tugas_Akhir.pdf
- [15] Unknown, "Teknologi 4G LTE: MODULASI," *Teknologi 4G LTE*. May 2015. [Online]. Available: <http://teknologi-4g-lte.blogspot.com/2015/05/modulasi.html>
- [16] Unknown, "Modulasi," *MODULASI*. May 2015. [Online]. Available: <http://teknologi-4g-lte.blogspot.com/2015/05/modulasi.html>
- [17] Y. Ananda and A. Prasetyo, " PENGUKURAN KUALITAS JARINGAN INTERNET DENGAN SINYAL 4G LTE OPERATOR TELKOMSEL DI JALAN IMAM BONJOL KOTA MEDAN DENGAN METODE QUALITY OF SERVICE (QoS)," *Jurnal Elektro dan Telekomunikasi*, vol. 8, no. 2, pp. 83–89, 2022, [Online]. Available: <https://jurnal.pancabudi.ac.id/index.php/elektrotelkomunikasi/article/view/4355>
- [18] M. Rumney, *LTE and the Evolution to 4G Wireless Design and Measurement Challenges, Second Edition*, 2nd ed. Singapore: John Wiley & Sons, Ltd., 2013.
- [19] E. Dahlman, S. Parkvall, and J. Sköld, *4G: LTE/LTE-Advanced for Mobile Broadband*, 2nd ed. Oxford, UK: Elsevier Ltd., 2011.
- [20] "How LTE Stuff Works?: LTE: Timing Advance and Time Alignment Timer." <http://howltestuffworks.blogspot.com/2014/07/timing-advance-and-time-alignment-timer.html> (accessed Jul. 24, 2023).
- [21] "Radio Propagation Concepts - learn about radio concepts." https://yatebts.com/documentation/concepts/radio-propagation-concepts/#Propagation_Delay (accessed Jul. 24, 2023).
- [22] "Okumura Hata Model formula | COST-231 extension of Hata Model." <https://www.rfwireless-world.com/Terminology/Okumura-Hata-Model-basics.html> (accessed Sep. 11, 2023).
- [23] A. Chiumento, M. Bennis, C. Desset, L. Van der Perre, and S. Pollin, "Adaptive CSI and feedback estimation in LTE and beyond: a Gaussian process regression approach," *EURASIP J Wirel Commun Netw*, vol. 2015, no. 1, Dec. 2015, doi: 10.1186/S13638-015-0388-0.