

DAFTAR PUSTAKA

- [1] Badan Pusat Statistik, *Statistik Telekomunikasi Indonesia 2023*, Jakarta: BPS RI, 2023.
- [2] A. Cahyana, "Pasar telekomunikasi seluler dan dinamika permintaan layanan data di Indonesia," *Jurnal Paradigma Ekonomi*, vol. 17, no. 2, pp. 145–156, 2022.
- [3] A. S. Afandi and D. E. T. Lufianawati, "Analisis Quality of Service (QoS) Layanan 5G Telkomsel di Wilayah Residensial Kota Tangerang Selatan," *Setrum : Sistem Kendali-Tenaga-elektronika-telekomunikasi-komputer*, vol. 11, no. 2, 2022, doi: 10.36055/setrum.v11i2.17834.
- [4] C. S. Rotua, K. S. Syahrani, and A. Adriansyah, "Analisis Pengujian Quality Of Service Provider 4g Lte Pada Smartphone Android Di Teknik Elektro Politeknik Negeri Sriwijaya," *Jurnal Telesika*, vol. 17, no. 1, pp. 7–14, Mar. 2024.
- [5] C. D. Rahmadila, Zurnawita, dan S. Aulia, "Optimization of 4G LTE network quality using physical tuning method," *Telekontran: Jurnal Ilmiah Telekomunikasi, Kendali dan Elektronika Terapan*, vol. 12, no. 2, Okt. 2024.
- [6] S. Sirmayanti, *et al.*, "Utilizing Compact 4G LTE Mobile Stations to Enhance Network Coverage in Rural Low-Signal Areas," *Jurnal IPTEK - e-Journal ITATS*, 2025.
- [7] A. L. Imoize, K. Orolu, and A. A. A. Atayero, "Analysis of key performance indicators of a 4G LTE network based on experimental data obtained from a densely populated smart city," *Data Brief*, vol. 29, 2020, doi: 10.1016/j.dib.2020.105304.
- [8] Z. Shakir, A. Y. Mjhood, A. Al-Thaedan, A. Al-Sabbagh, and R. Alsabah, "Key performance indicators analysis for 4 G-LTE cellular networks based on real measurements," *International Journal of Information Technology (Singapore)*, vol. 15, no. 3, 2023, doi: 10.1007/s41870-023-01210-0.
- [9] A. L. Imoize, F. Udeji, J. Isabona, and C. C. Lee, "Optimizing the Quality of Service of Mobile Broadband Networks for a Dense Urban Environment," *Future Internet*, vol. 15, no. 5, 2023, doi: 10.3390/fi15050181.
- [10] A. A. Ahmed Solyman and K. Yahya, "Evolution of wireless communication networks: from 1G to 6G and future perspective," *International Journal of Electrical and Computer Engineering*, vol. 12, no. 4, 2022, doi: 10.11591/ijece.v12i4.pp3943-3950.
- [11] H. Kheddar, "From 2G to 4G Mobile Network: Architecture and Key Performance Indicators," *A Preprint*, Oct. 2022.
- [12] A. D. Farhood and N. Agarwal, "Performance analysis of OFDMA in LTE," *International Journal of Current Engineering and Technology*, vol. 4, no. 3, pp. 2347–5161, Jun. 2014.

- [13] M. Ulfah, "Peningkatan Area Jangkauan Jaringan 4g Lte (Studi Kasus Kecamatan Samarinda Ulu)," *Jurnal Ecotipe (Electronic, Control, Telecommunication, Information, and Power Engineering)*, vol. 5, no. 1, 2018, doi: 10.33019/ecotipe.v5i1.32.
- [14] K. A. T. Indah and I. B. P. Manuaba, "Arsitektur Jaringan Lte (Long Term Evolution) Untuk Mengatasi Backhaul Connection Wifi Pada Rural Area Dengan Teknologi Fourth Generation (4G)," *Just TI (Jurnal Sains Terapan Teknologi Informasi)*, vol. 10, no. 2, 2019, doi: 10.46964/justti.v10i2.107.
- [15] D. F. Brianna, "Implementasi Monitoring dan Metode Quality Of Service (QOS) Pada Jaringan Komputer Secara Sinkron dan Asinkron," *Journal Scientific and Applied Informatics*, vol. 7, no. 2, pp. 415–420, Jun. 2024.
- [16] N. Adhryanti and A. W. M. Gaffar, "Network Performance Analysis of 4G LTE in Marumpa Village, Maros Regency," *Indonesian Journal of Networking and Internet of Things (IJONIT)*, vol. 1, no. 1, pp. 23–29, 2025.
- [17] S. Yusnita, Y. Saputra, D. Chandra, and P. Maria, "Peningkatan Kualitas Sinyal 4G Berdasarkan Nilai KPI Dengan Metode Drivetest Cluster Padang," *Elektron : Jurnal Ilmiah*, vol. 11, no. 2, 2019, doi: 10.30630/eji.11.2.103.
- [18] M. Rifki Wardana and D. B. Santoso, "Analisis Throughput Distribusi Jaringan Nirkabel Pada Politeknik Bumi Akpelni," *Jurnal Riset Sistem Informasi Dan Teknik Informatika (JURASIK)*, vol. 8, no. 2, 2023.
- [19] M. Saiful Bayudin *et al.*, "Pengujian Drive Test Untuk Menentukan Kualitas Layanan Jaringan 4G Lte Di Kota Lhokseumawe," *Jurnal Tektro*, vol. 5, no. 1, 2021.
- [20] M. Haris Adwel, M. Mulyono, T. Purnamirza, and R. Susanti, "Optimasi Jaringan 4G LTE Menggunakan Metode Automatic Cell Planning (ACP) di Wilayah Kubu Gulai Bancah," *REMIK: Riset dan E-Jurnal Manajemen Informatika Komputer*, vol. 7, no. 1, pp. 233–245, 2023.
- [21] D. Sartika Anggraeni, A. Rasyid, and Aisah, "Analisis Kualitas Sinyal Menggunakan G-Nettrack Pro di Kota Malang," *Jurnal Jartel*, vol. 10, no. 2, 2020.
- [22] N. Amanina, I. Suandi, and M. Syahroni, "Perencanaan Jaringan Long Term Evolution (LTE) Frekuensi 1800 MHz pada Tahun 2028 di Kecamatan Tanah Jambo Aye, Kabupaten Aceh Utara Menggunakan Software Atoll," *Jurnal TEKTR0*, vol. 9, no. 2, 2025.