

DAFTAR PUSTAKA

- [1] Moechammad Sarosa, Kristina Widjayanti, and Aisah, “Pemodelan Site pada Heterogen Network 5G Menggunakan Optimized Network Engineering Tools,” *JEPIN (Jurnal Edukasi dan Penelitian Informatika)* , vol. 7, Dec. 2021.
- [2] Saad Z. Asif, *5G Mobile Communications Concepts and Technologies*. 2020.
- [3] D. Marya and A. Wahyudin, “COMPARISONAL ANALYSIS OF PERFORMANCE ON 5G NEW RADIO NETWORK DESIGN USING 3.5 AND 24 GHZ FREQUENCY IN YOGYAKARTA CITY,” *Jurnal Elaktro Telekomunikasi Terapan*, vol. 9, pp. 1199–1211, 2022, doi: 10.25124/jett.v9i1.5052.
- [4] F. K. Karo, A. Hikmaturokhman, and M. A. Amanaf, “5G New Radio (NR) Network Planning at Frequency of 2.6 GHz in Golden Triangle of Jakarta,” in *2020 3rd International Seminar on Research of Information Technology and Intelligent Systems, ISRITI 2020*, Institute of Electrical and Electronics Engineers Inc., Dec. 2020, pp. 278–283. doi: 10.1109/ISRITI51436.2020.9315504.
- [5] R. N. Esa, A. Hikmaturokhman, and A. R. Danisya, “5G NR Planning at Frequency 3.5 GHz: Study Case in Indonesia Industrial Area,” in *Proceeding - 2020 2nd International Conference on Industrial Electrical and Electronics, ICIEE 2020*, Institute of Electrical and Electronics Engineers Inc., Oct. 2020, pp. 187–193. doi: 10.1109/ICIEE49813.2020.9277427.
- [6] G. Fahira, A. Hikmaturokhman, and A. R. Danisya, “5G NR Planning at mmWave Frequency: Study Case in Indonesia Industrial Area,” in *Proceeding - 2020 2nd International Conference on Industrial Electrical and Electronics, ICIEE 2020*, Institute of Electrical and Electronics Engineers Inc., Oct. 2020, pp. 205–210. doi: 10.1109/ICIEE49813.2020.9277451.
- [7] W. J. Sejarah, D. Budaya, T. Harmini, and M. Taqiyuddin, “Internet Evolution: A Historical View (SEJARAH EVOLUSI GENERASI

- INTERNET),” *Jurnal Lani*, vol. 2, no. 2, pp. 65–75, 2021, doi: 10.30598/Lanivol2iss2page65-75.
- [8] 3GPP, “3GPP FREQUENCY BANDS - Qorvo,” 2024. [Online]. Available: <https://www.qorvo.com/design-hub/design-tools/interactive/3gpp-frequency-bands>
- [9] Asri Wulandari, Toto Supriyanto, and Lusi Damayanti, *PERANCANGAN SKENARIO NON STAND ALONE (NSA) JARINGAN 5G UNTUK MENUNJANG REVOLUSI INDUSTRI 4.0*, vol. 7. 2021.
- [10] Admin Kementrian Komunikasi dan Digital Indonesia, “Data Coverage Jaringan Telekomunikasi,” <https://data.komdigi.go.id/article/data-coverage-jaringan-telekomunikasi>.
- [11] D. ARYANTA, R. SUSANA, and N. B. ANTUANET, “Perencanaan Kebutuhan gNodeB Low Band 5G menggunakan Lebar Pita Dinamis di Pulau Jawa Dan Bali,” *ELKOMIKA: Jurnal Teknik Energi Elektrik, Teknik Telekomunikasi, & Teknik Elektronika*, vol. 12, no. 2, p. 513, Apr. 2024, doi: 10.26760/elkomika.v12i2.513.
- [12] Ajay R. Mishra, *Fundamentals of Network Planning and Optimisation 2G/3G/4G: Evolution to 5G*. 2018.
- [13] T. Patra and S. K. Mitra, “Link Budget Analysis for 5G Communication in the Tropical Regions,” *Wirel Commun Mob Comput*, vol. 2020, 2020, doi: 10.1155/2020/6669965.
- [14] TSGR, “TR 138 901 - V16.1.0 - 5G; Study on channel model for frequencies from 0.5 to 100 GHz (3GPP TR 38.901 version 16.1.0 Release 16),” Sophia Antipolis Cedex, Nov. 2020. [Online]. Available: <https://portal.etsi.org/TB/ETSIDeliverableStatus.aspx>
- [15] W. Z. Y. Y. Sun Mingyang, “5G Network Planning Guide,” Feb. 2018.
- [16] T. Oktavianto, T. Prakoso, and M. A. Riyadi, “ANALISIS JARINGAN 5G 2300 MHZ DENGAN MENGGUNAKAN MENARA 4G LTE YANG TERSEDIA DI KOTA SEMARANG,” *Transmisi: Jurnal Ilmiah Teknik Elektro*, vol. 26, no. 1, pp. 1–9, Jan. 2024, doi: 10.14710/transmisi.26.1.1-9.
- [17] Itu-r, “Guidelines for evaluation of radio interface technologies for IMT-2020 M Series Mobile, radiodetermination, amateur and related satellite

- services,” 2017. [Online]. Available: <http://www.itu.int/ITU-R/go/patents/en>
- [18] B. Alfaresi, T. Barlian, and D. Muhandanus, “Analisa Path Loss Radio Jaringan 5G frekuensi High band 26 GHz dengan Model 3GPP ETSI,” 2016. [Online]. Available: <http://ojs.uho.ac.id/index.php/jfe/5>
 - [19] TSGR, “TS 138 306 - V17.0.0 - 5G; NR; User Equipment (UE) radio access capabilities (3GPP TS 38.306 version 17.0.0 Release 17),” 2022. [Online]. Available: <https://portal.etsi.org/TB/ETSIDeliverableStatus.aspx>
 - [20] TSGR, “TR 138 913 - V14.2.0 - 5G; Study on Scenarios and Requirements for Next Generation Access Technologies (3GPP TR 38.913 version 14.2.0 Release 14),” 2017. [Online]. Available: <https://portal.etsi.org/TB/ETSIDeliverableStatus.aspx>
 - [21] M. H. . Kutner, Chris. Nachtsheim, John. Neter, and William. Li, *Applied linear statistical models*. McGraw-Hill Irwin, 2005.
 - [22] F. Afroz, R. Subramanian, R. Heidary, K. Sandrasegaran, and S. Ahmed, “SINR, RSRP, RSSI and RSRQ Measurements in Long Term Evolution Networks,” *International Journal of Wireless & Mobile Networks*, vol. 7, no. 4, pp. 113–123, Aug. 2015, doi: 10.5121/ijwmn.2015.7409.
 - [23] L. Huawei Technologies Co., “GENEX Probe Wireless Air Interface Testing Software User Manual V100R003,” 2024. [Online]. Available: <http://www.huawei.com>
 - [24] P. Bowes Software Inc, “MapBasic 11.0 USER GUIDE,” New York, May 2011. [Online]. Available: <http://www.7-zip.org/license.txt>.