DAFTAR PUSTAKA

[1] A. A. Vaganova, N. N. Kisel, And A. I. Panychev, "Simulation Model Of 5g *Cover*age In Urban Areas," *Conf. Proc. - 2019 Radiat. Scatt. Electromagn. Waves, RSEMW 2019*, Pp. 372–375, 2019, Doi: 10.1109/Rsemw.2019.8792791.

[2] Y. Ni, J. Liang, X. Shi, And D. Ban, "Research On Key Technology In 5g Mobile Communication Network," *Proc. - 2019 Int. Conf. Intell. Transp. Big Data Smart City, ICITBS 2019*, Pp. 199–201, 2019, Doi: 10.1109/Icitbs.2019.00054.

[3] D. Kusumawati, "Studi Lanjutan 5G Indonesia: Resume Teknologi 5g NR Dan Penetapan Spektrum," *Puslitbang Sumber Daya, Perangkat, Dan Penyelenggaraan Pos Dan Informatika Badan Penelitian Dan Pengembangan Sumber Daya Manusia Kementerian Komunikasi Dan Informatika*, 2018. Https://Balitbangsdm.Kominfo.Go.Id/Satker/Psdppi/Berita-Studi-Lanjutan-5g-Indonesia-5-10

[4] A. Lulus Ayu, "Perbandingan Perencanaan Cakupan 5g Antara Frekuensi 3,5 Ghz Dan 28 Ghz Di Kawasan Industri Bekasi," Institut Teknologi Telkom Purwokerto, 2022. [Online]. Available: Https://Repository.Ittelkom-Pwt.Ac.Id/6491/

[5] K. B. Shashika Manosha, K. Hiltunen, M. Matinmikko-Blue, And M. Latva-Aho, "Performance Comparison Of Alternative Indoor 5g Micro-Operator Deployments In 3.6-Ghz And 26-Ghz Bands," *IEEE Trans. Cogn. Commun. Netw.*, Vol. 5, No. 4, Pp. 886–899, 2019, Doi: 10.1109/Tccn.2019.2929151.

[6] I. Shayea, M. Ergen, M. H. Azmi, S. A. Çolak, R. Nordin, And Y. I. Daradkeh, "Key Challenges, Drivers And Solutions For Mobility Management In 5g Networks: A Survey," *IEEE Access*, Vol. 8, Pp. 172534–172552, 2020, Doi: 10.1109/Access.2020.3023802.

[7] A. Hikmaturokhman And A. Wulandari, *5g Stand Alone Inter-Band Carrier Aggregation Planning In Kelapa Gading Jakarta Utara*. 2021.

Doi: 10.1109/Ic-Ictrudev50538.2021.9656497.

[8] A. Wulandari, T. Supriyanto, And L. Damayanti, “Perancangan Skenario *Non Stand Alone* (Nsa) Jaringan 5g Untuk Menunjang Revolusi Industri 4.0,” *Pros. Semin. Nas. Terap. Ris. Inov.*, Vol. 7, No. 1, Pp. 123–130, 2021.

[9] P. Gandi, M. Wijaya, U. K. Usman, And H. Vidyaningtyas, “Perencanaan Jaringan Long Term Evolution (Lte) Tdd Pada Frekuensi 2300 Mhz Di Stadion Si Jalak Harupat,” *E-Proceeding Eng.*, Vol. 5, No. 2, Pp. 2265–2272, 2018.

[10] N, A. Mihovska, And R. Prasad, “Overview Of 5g *New Radio* And *Carrier Aggregation*: 5g And Beyond Networks,” *Int. Symp. Wirel. Pers. Multimed. Commun. WPMC*, Vol. 2020-Octob, Pp. 2–7, 2020, Doi: 10.1109/Wpmc50192.2020.9309496.

[11] J. Peisa *Et Al.*, “5g Evolution: 3gpp Releases 16 & 17 Overview,” *Ericsson Technol. Rev.*, Vol. 9, Pp. 1–5, 2020.

[12] H. U. Mustakim, “Tantangan Implementasi 5g Di Indonesia,” *INTEGER J. Inf. Technol.*, Vol. 4, No. 2, Pp. 1–10, 2019, Doi: 10.31284/J.Integer.2019.V4i2.561.

[13] M. A. Masa And A. Afdhal, “Analisis Potensi Teknologi Jaringan 5g Area Sulawesi Selatan,” Vol. 5, 2023.

[14] A. Sulistyono, “Jaringan 5g Non Stand-Alone (Nsa) Dan 5g Stand-Alone (Sa),” *Linkedin.Com*, 2020. Https://Id.Linkedin.Com/Pulse/Jaringan-5g-Non-Stand-Alone-Nsa-Dan-Sa-Andrian-S

[15] S. B. Barutu, A. Hikmaturokhman, And M. P. K. Praja, “Planning Of 5g *New Radio* (Nr) Mmwave 26 Ghz In Karawang Industrial Area,” *2020 IEEE Int. Conf. Commun. Networks Satell. Comnetsat 2020 - Proc.*, No. April, Pp. 42–49, 2020, Doi: 10.1109/Comnetsat50391.2020.9329010.

[16] 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,” *2020 3rd Int. Semin. Res. Inf. Technol. Intell. Syst. ISRITI 2020*, No. June, Pp. 278–283, 2020, Doi: 10.1109/Isriti51436.2020.9315504.

[17] Gsma, “Road To 5g : Introduction And Migration,” *Gsma*, No. April, P. 54, 2018, [Online]. Available: Https://Www.Gsma.Com/Futurenetworks/Wp-

Content/Uploads/2018/04/Road-To-5g-Introduction-And Migration_Final.Pdf

[18] B. Humas Kementerian Kominfo, "Penataan Ulang (Refarming) Pita Frekuensi Radio 2,1 Ghz," *Kominfo*, Nov. 11, 2022. [Online]. Available: Https://Www.Kominfo.Go.Id/Content/Detail/46058/Siaran-Pers-No-526hmkominfo112022-Tentang-Penataan-Ulang-Refarming-Pita-Frekuensi-Radio-21-Ghz/0/Siaran_Pers

[19] Merdeka, "Usai Tata Ulang Frekuensi 2,1 Ghz, Tri Sebut Kualitas Internet Makin Bagus," *MERDEKA.COM*, 2018. [Online]. Available: Https://Www.Merdeka.Com/Teknologi/Usai-Tata-Ulang-Frekuensi-21-Ghz-Tri-Sebut-Kualitas-Internet-Makin-Bagus.Html

[20] B. H. K. Kominfo, "Refarming Pita Frekuensi Radio 2,3 Ghz Dimulai, Kominfo Targetkan Peningkatan Kualitas Layanan," *Kominfo*, Mar. 09, 2023. [Online]. Available: Https://Www.Kominfo.Go.Id/Content/Detail/47822/Siaran-Pers-No-34hmkominfo032023-Tentang-Refarming-Pita-Frekuensi-Radio-23-Ghz-Dimulai-Kominfo-Targetkan-Peningkatan-Kualitas-Layanan/0/Siaran_Pers

[21] L. Dwi Jatmiko, "Berca Tawarkan Opsi Sharing Frekuensi Di Pita 2,3 Ghz," *Bisnis Indonesia*, Oct. 04, 2021. [Online]. Available: Https://Bisnisindonesia.Id/Article/Berca-Tawarkan-Opsi-Sharing-Frekuensi-Di-Pita-23-Ghz

[22] A. M. B. Dhuja Handika Yondri Pratama, Alfin Hikmaturokhman, Muntaqo Alfin Amanaf, Deka Nanda Fadhilah, "Perencanaan Jaringan 5g Nr (*New Radio*) Pada Frekuensi 700mhz Dan 3500mhz Menggunakan *Carrier Aggregation* Di Kawasan Industri Karawang," *AIP Publ.*, Vol. 2482, No. 1, 2023, [Online]. Available: Https://Doi.Org/10.1063/5.0110462

[23] A., "Lte Advanced And *Carrier Aggregation* (Ca)." Https://Www.4g-Lte.Net/Technology/Lte-Advanced-Carrier-Aggregation-Ca/

[24] M. T. G. Sihotang, Hafidudin, And S. T. Cahyono, "Perencanaan Jaringan Lte-Advanced Menggunakan Metode Inter-Band *Carrier Aggregation* Di Kota Karawang," *E-Proceeding Appl. Sci.*, Vol. 5, No. 2, Pp. 1714–1721, 2019.

[25] R. A. Pradiwi, H. Putri, And Y. Christiary, “Perencanaan Jaringan Lte-Advanced Menggunakan Metode Inter-Band *Carrier Aggregation* Pada Frekuensi 1800MHz Dan 2100 MHz Di Braga (Alun-Alun Balaikota) Planning Of The Lte-Advanced Network Using Inter-Band *Carrier Aggregation* Method At 1800MHz And 2100 MHz,” Vol. 7, No. 6, Pp. 3250–3257, 2021.

[26] D. Marya And A. Wahyudin, “Analisis Perbandingan Performa Pada Perancangan Jaringan 5G *New Radio* Menggunakan Frekuensi 3 , 5 Dan 24 Ghz Di Kota Yogyakarta Comparisonal Analysis Of Performance On 5G *New Radio* Network Design Using 3 . 5 And 24 Ghz Frequency In,” Vol. 9, No. 1, Pp. 1199–1211.

[27] R. N. Esa, A. Hikmaturokhman, And A. R. Danisya, “5g Nr Planning At Frequency 3.5 Ghz : Study Case In Indonesia Industrial Area,” *Proceeding - 2020 2nd Int. Conf. Ind. Electr. Electron. ICIEE 2020*, No. July, Pp. 187–193, 2020, Doi: 10.1109/Iciee49813.2020.9277427.

[28] B. Alfaresi, M. V. E. Satya, And F. Ardianto, “Analisa Model Propagasi Okumura-Hata Dan Cost-Hata Pada Komunikasi Jaringan Wireless 4g Lte,” *J. Ampere*, Vol. 5, No. 1, P. 32, 2020, Doi: 10.31851/Ampere.V5i1.4158.

[29] C.-K. J. And Kuan-Hung, “Millimeter Wave Channel Model Fo 5g Communication Systems,” *ICT J.*, P. 168.

[30] B. Alfaresi, T. Barlian, And Muhardanus, “Analisa Path Loss Radio Jaringan 5G Frekuensi High Band 26 GHz Dengan Model 3PP Etsi,” *J. Fokus Elektroda*, Vol. 05, No. 01, Pp. 5–10, 2020, [Online]. Available: Http://Ojs.Uho.Ac.Id/Index.Php/Jfe/

[31] D. Fitri Melenia, “Analisis Perbandingan Throughput Open Ran 4g Lte Arah Downlink Secara Real Dan Berdasarkan 3GPP,” Vol. 8, No. 6, Pp. 2716–2722, 2022.

[32] A. Kirang, A. Hikmaturokhman, And K. Ni, “Jite (Journal Of Informatics And Telecommunication Engineering) Frequency In The Jababeka Industrial Area,” Vol. 6, No. January, Pp. 403–413, 2023.

[33] S. Informasi, B. Aceh, And S. Relay, “Analisis Jaringan Vanet Antar

Kendaraan Pada Kondisi Los Dan Nlos Menggunakan Metode Single Relay," Vol. 4, No. 3, Pp. 1582–1591, 2022, Doi: 10.47065/Bits.V4i3.2538.

[34] A. Le Coq, "Mentum Planet 5.7 Merampingkan Perencanaan Jaringan, Memberikan Keuntungan Langsung Untuk Operator Seluler," *Infovista*, 2020. Https://Www.Infovista.Com/Press-Release/Mentum-Planet-57-Streamlines-Network-Planning-Provides-Immediate-Gains-For-Mobile-Operators

[35] M. S. Amir Tjolleng, *Pengantar Pemrograman Matlab*. Jakarta: Pt Elex Media Komputindo, 2017. [Online]. Available: Https://Books.Google.Co.Id/Books?Hl=Id&Lr=&Id=_Ei8dwaaqbaj&Oi=Fnd&Pg=Pp1&Dq=Pengertian+Matlab+Bahasa+Pemrograman&Ots=Ocrwbmlmpr&Sig=8fbhovnfiu9lzb1gvtubcplzmkq&Redir_Esc=Y#V=Onepage&Q&F=False

[36] Genuk, "Kecamatan Genuk," 2023 Https://Kecgenuk.Semarangkota.Go.Id/En/Gambaran-Umum-Wilayah