

## DAFTAR PUSTAKA

- [1] Huawei, “ *New 5G, New Antenna*”, 2019. [Online].
- [2] U. S. Zulpratita, “ Kunci Teknologi 5G ”, *Jurnal Ilmiah Teknologi Informasi Terapan*, Bd. IV, pp. 166-173, 2018.
- [3] M. Darsono, “ Perancangan Antena Planar Frekuensi 28 GHz untuk Komunikasi *Wireless* pada Teknologi 5G ”, *Teknika*, Bd. V, pp. 49-53, 2020.
- [4] N. L. Yusup, “Perancangan Antena Mikrostrip *Rectangular Array* untuk Teknologi 5G pada Frekuensi 28 GHz”, *InComTech: Jurnal Telekomunikasi dan Komputer*, Vols. vol.11, no.2, pp. 100-117, 2021.
- [5] W. R. ALFIKA, “Rancang Bangun Antena Mikrostrip *Millimeter Wave Rectangular Patch Array* pada Frekuensi 28 GHz ”, Universitas Mercu Buana Jakarta, 2019.
- [6] H. U. Mustakim, “Tantangan Implementasi 5G di Indonesia”, *Journal of Information Technology*, Bd. IV, pp. 26-36, 2019.
- [7] A. Wijaya, “Perkembangan Teknologi 5G”, Universitas Pendidikan Indonesia Purwakarta, pp. 2-5, 2021.
- [8] Y. Rahayu, “Teknik Perancangan Antena Mikrostrip MIMO”, Pekanbaru: UR Press, 2018.
- [9] I. Hajar, “Desain Antena Mikrostrip *Patch Array* 28 GHz Dengan CST *Microwave Studio*”, Universitas Islam Indonesia, 2018.
- [10] N. Iftita, “Perancangan *Butler Matrix 4x4* Untuk Aplikasi CCTV Pada Frekuensi 2.4 GHz”, Institut Teknologi Telkom Jakarta, 2020.
- [11] A. S. Sukri, “Rancang Bangun Antena Mikrostrip *Biquad* pada Frekuensi 2,4 GHz untuk WLAN”, Repositori Institusi Universitas Sumatera Utara, 2018.
- [12] I. I. IDRUS, “*Design and characterization of a compact single-layer multibeam array antenna using an 8×8 Butler matrix for 5G base station applications*”, *Turkish Journal of Electrical Engineering and Computer Sciences*, Bd. 28, pp. 1121-1134, 2020.

- [13] S. I. Orakwue, “*Switched-Beam Array Antenna At 28 GHz For 5G Wireless System Based On Butler Matrix Beamforming Network*”, Nigerian Journal of Technology, Bd. 38, pp. 484-489, 2019.
- [14] S. Louati, “*Design of 28 GHz Switched Beemforming Antenna System based on 4x4 Butler Matrix for 5G Applications*”, Fifth International Conference on Internet of Things: Systems, Management and Security, 2018.
- [15] Faradila, “*Perbandingan Pencatuan Inset Feed dan EMC (Electromagnetically Coupled) pada Antena MIMO Berslot Dual Band*”, e-Proceeding of Engineering, Bd. 6, pp. 4645-4650, 2019.