

## DAFTAR PUSTAKA

- [1] DLH JABAR. (2018, Januari 16). <http://dlh.jabarprov.go.id/index.php/layanan/k2-categories-2/item/95-citarum-semakin-menantang>.
- [2] L. Liu and W. Yu, "Massive Connectivity with Massive MIMO—Part I: Device Activity Detection and Channel Estimation," *IEEE Transactions on Signal Processing*, vol. 66, no. 11, pp. 2933-2946, 2018.
- [3] D. A. Syaifur, R. P. Astuti and B. S. Nugroho, "Design and Analysis Massive MIMO Microstrip Patch Rectangular Dual Band (6 GHz and 28 GHz) for 5G Communication," Telkom University, Bandung, 2017.
- [4] Lutfi M. R., R. P. and D and B. S. Nugroho, "Design and Analysis Massive MIMO Microstrip Patch Rectangular Dual Band (3,5 GHz and 26 GHz) for 5G Communication," Telkom University, Bandung, 2019.
- [5] Shelasih W., Aloysius Adya P., Horeo Wijanto, "Pengaruh Bending pada Karakteristik Antena Mikrostrip 2,4 GHz untuk Perangkat Wearable", Telkom University, Bandung, 2019.
- [6] Rochde and Schwarz, "Introduction to MIMO," Rohde & Schwarz GmbH & Co.KG, Munchen, 2009.
- [7] C. A. Balanis, *ANTENA THEORY*, 3rd ed. Canada: John Wiley & Sons, Inc, 2005.
- [8] A. A. Pramudita, Sholihin, and D. D. Ariananda, "Array of Eight Circularly Polarized Microstrip Antenas for IEEE 802.11ac MIMO WLAN," *Proc. - 2018 4th Int. Conf. Sci. Technol. ICST 2018*, 2018.
- [9] A. Sibille, C. Oestges, and A. Zanella, *MIMO : From Theory to Implementation*, vol. 23. Oxford: Elsevier, Inc, 2007.
- [10] "Standar IEEE definisi istilah untuk antena., " *IEEE Std 145-1993*, hlm. 6,21 Juni 1993.

- [11] G. Manjunath, Naseerruddin, and Sadyojatha K. M. “Design and Anaylis of Circular MPA Using Multi Layer Substrate Sandwich for Bandwidth Enhancement” ICICES, India, 2017.
- [12] Akaninyene B. Obot, Gabriel A. Igwue, and Kufre M. Udofia “Design and Simulation of Rectangular Microstrip Antenna Arrays for Improved Gain Performance” Scientific & Academic Publishing, 2019.