

DAFTAR PUSTAKA

- [1] O. S. Akhilesh Kumar Pachauri, ““5G Technology–Redefining wireless Communication in upcoming years,”” *Int. J. Comput. Sci. Manag. Res.*, vol. 1, 2012, [Online]. Available: <http://www.sciepub.com/reference/66913>.
- [2] U. K. Usman, “Mengenal Teknologi 5G,” pp. 345–348, 2017.
- [3] C. Ni, M. S. Chen, Z. X. Zhang, and X. L. Wu, “Design of Frequency-And Polarization-Reconfigurable Antenna Based on the Polarization Conversion Metasurface,” *IEEE Antennas Wirel. Propag. Lett.*, vol. 17, no. 1, pp. 78–81, 2018, doi: 10.1109/LAWP.2017.2775444.
- [4] N. Nguyen-Trong, A. Piotrowski, L. Hall, and C. Fumeaux, “A Frequency-and Polarization-Reconfigurable Circular Cavity Antenna,” *IEEE Antennas Wirel. Propag. Lett.*, vol. 16, no. c, pp. 999–1002, 2017, doi: 10.1109/LAWP.2016.2616128.
- [5] M. K. Fries, M. Gräni, and R. Vahldieck, “A Reconfigurable Slot Antenna with Switchable Polarization,” *IEEE Microw. Wirel. Components Lett.*, vol. 13, no. 11, pp. 490–492, 2003, doi: 10.1109/LMWC.2003.817148.
- [6] Z. I. Saleh, M. Y. Al-Mallah, and Y. S. Faouri, “Polarization Reconfigurable Microstrip Slotted Antenna with Two Opposite Feeds,” *Proc. - 2019 IEEE 1st Glob. Power, Energy Commun. Conf. GPECOM 2019*, pp. 15–18, 2019, doi: 10.1109/GPECOM.2019.8778489.
- [7] P. Y. Qin, A. R. Weily, Y. J. Guo, and C. H. Liang, “Polarization reconfigurable U-slot patch antenna,” *IEEE Trans. Antennas Propag.*, vol. 58, no. 10, pp. 3383–3388, 2010, doi: 10.1109/TAP.2010.2055808.
- [8] S. W. Cheung, C. F. Zhou, Q. L. Li, and T. I. Yuk, “A Simple Polarization-Reconfigurable Antenna,” vol. 1, pp. 3–6.
- [9] G. M. S. Association, “Spectrum for terrestrial 5G networks: Licensing developments worldwide,” vol. 01, no. 01, pp. 1689–1699, 2018.
- [10] A. Hikmaturokhman, K. Ramli, and M. Suryanegara, “Spectrum

- Considerations for 5G in Indonesia,” *Proceeding - 2018 Int. Conf. ICT Rural Dev. Rural Dev. through ICT Concept, Des. Implic. IC-ICTRuDEv 2018*, pp. 23–28, 2018, doi: 10.1109/ICICTR.2018.8706874.
- [11] C. A. Balanis, *Modern antenna handbook*. 2007.
- [12] A. Panahi, X. L. Bao, K. Yang, O. O’Conchubhair, and M. J. Ammann, “A simple polarization reconfigurable printed monopole antenna,” *IEEE Trans. Antennas Propag.*, vol. 63, no. 11, pp. 5129–5134, 2015, doi: 10.1109/TAP.2015.2474745.
- [13] H. C. Mohanta, A. Z. Kouzani, and S. K. Mandal, “Reconfigurable antennas and their applications,” *Univers. J. Electr. Electron. Eng.*, vol. 6, no. 4, pp. 239–258, 2019, doi: 10.13189/ujeee.2019.060406.
- [14] N. O. Parchin, H. J. Basherlou, Y. I. A. Al-Yasir, R. A. Abd-Alhameed, A. M. Abdulkhaleq, and J. M. Noras, “Recent developments of reconfigurable antennas for current and future wireless communication systems,” *Electron.*, vol. 8, no. 2, pp. 1–17, 2019, doi: 10.3390/electronics8020128.
- [15] P. Pan and B. Guan, “A Wideband Polarization Reconfigurable Antenna with Six Polarization States,” *2018 12th Int. Symp. Antennas, Propag. EM Theory, ISAPE 2018 - Proc.*, no. 135, pp. 1–4, 2019, doi: 10.1109/ISAPE.2018.8634224.
- [16] F. Wu and K. M. Luk, “A wideband high-efficiency polarization reconfigurable antenna for wireless communication,” *2017 IEEE Antennas Propag. Soc. Int. Symp. Proc.*, vol. 2017-Janua, pp. 1371–1372, 2017, doi: 10.1109/APUSNCURSINRSM.2017.8072728.
- [17] Y. Tawk, C. G. Christodoulou, J. Costantine, and S. E. Barbin, “A frequency and radiation pattern reconfigurable antenna system with sensing capabilities for cognitive radio,” *IEEE Antennas Propag. Soc. AP-S Int. Symp.*, vol. 1, pp. 2–3, 2012, doi: 10.1109/APS.2012.6348489.
- [18] A. H. Rambe, “Antena Mikrostrip: Konsep dan Aplikasinya,” *JITEKH*, vol. 01, no. I, pp. 86–92, 2012.

- [19] J. Huang, "Circularly Polarized Conical Patterns from Circular Microstrip Antennas," *IEEE Trans. Antennas Propag.*, vol. 32, no. 9, pp. 991–994, 1984, doi: 10.1109/TAP.1984.1143455.
- [20] D. M. Pozar, *Microwave Engineering Fourth Edition*. .