

BIBLIOGRAPHY

- [1] C. A. Balanis, *Antenna theory: analysis and design*. Wiley-Interscience, 2020.
- [2] C. Z. Hasan, A. A. Khan, M. Fahim-Al-Fattah, M. A. Amin, and S. Mohammad, "A novel quad-band microstrip patch antenna for wlan, wifi, wimax applications," in *2017 IEEE 9th International Conference on Communication Software and Networks (ICCSN)*, pp. 718–721, 2017.
- [3] M. N. Rahman, M. T. Islam, M. S. J. Singh, N. Misran, K. Mat, and M. Sam-suzzaman, "Compact microstrip patch antenna for multi-service wireless communications," in *2017 IEEE Asia Pacific Microwave Conference (APMC)*, pp. 1048–1050, 2017.
- [4] T. Alam, M. R. I. Faruque, M. I. Hossain, and M. T. Islam, "Printed microstrip-fed circular patch antenna for wireless communication," in *2014 IEEE Student Conference on Research and Development*, pp. 1–4, 2014.
- [5] T. F. A. Nayna, E. Haque, and F. Ahmed, "Design of a x band defected ground circular patch antenna with diamond shaped slot and ring in patch for uwb applications," in *2016 International Conference on Signal Processing, Communication, Power and Embedded System (SCOPES)*, pp. 559–562, 2016.
- [6] W. S. T. Rowe and R. B. Waterhouse, "Investigation of proximity coupled antenna structures," in *IEEE Antennas and Propagation Society International Symposium. Digest. Held in conjunction with: USNC/CNC/URSI North American Radio Sci. Meeting (Cat. No.03CH37450)*, vol. 2, pp. 904–907 vol.2, 2003.
- [7] M. Abdullah- Al- Mamun, S. Datto, and M. S. Rahman, "Performance analysis of rectangular, circular and elliptical shape microstrip patch antenna using coaxial probe feed," in *2017 2nd International Conference on Electrical Electronic Engineering (ICEEE)*, pp. 1–4, 2017.
- [8] J. Chen and B. Feng, "A dual-polarized xi-shaped artistic antenna for 5g millimeter wave communications," in *2019 International Workshop on Electromagnetics: Applications and Student Innovation Competition (iWEM)*, pp. 1–2, 2019.

- [9] K. L. Chung, S. Xie, Y. Li, R. Liu, S. Ji, and C. Zhang, "A circular-polarization reconfigurable meng-shaped patch antenna," *IEEE Access*, vol. 6, pp. 51419–51428, 2018.
- [10] M. Shaw, B. Deb, and N. Mandal, "Circular microstrip patch antenna with u-slots for multi band application," in *2018 2nd International Conference on Electronics, Materials Engineering Nano-Technology (IEMENTech)*, pp. 1–3, 2018.
- [11] R. NishaBegam and R. Srithulasiraman, "The study of microstrip antenna and their applications," pp. 1–3, Nov 2015.
- [12] G. Casu, C. Moraru, and A. Kovacs, "Design and implementation of microstrip patch antenna array," in *2014 10th International Conference on Communications (COMM)*, pp. 1–4, 2014.
- [13] S. Suryana, "Analisa bentuk patch pada antena microstrip untuk teknologi ultra wideband rentang frekuensi 3.1-10.6 ghz," *Open Library Telkom University*, pp. 18–19, December 2013.
- [14] "Ieee standard for definitions of terms for antennas," *IEEE Std 145-2013 (Revision of IEEE Std 145-1993)*, pp. 1–50, March 2014.
- [15] C. A. Balanis, *Advanced engineering electromagnetics*. Wiley-Interscience, 1989.
- [16] A. Derneryd, "Analysis of the microstrip disk antenna element," *IEEE Transactions on Antennas and Propagation*, vol. 27, pp. 660–664, Sep. 1979.
- [17] L. Shen, S. Long, M. Allerdin, and M. Walton, "Resonant frequency of a circular disc, printed-circuit antenna," *IEEE Transactions on Antennas and Propagation*, vol. 25, pp. 595–596, July 1977.
- [18] T. F. A. Nayna, E. Haque, and F. Ahmed, "Design of a x band defected ground circular patch antenna with diamond shaped slot and ring in patch for uwb applications," in *2016 International Conference on Signal Processing, Communication, Power and Embedded System (SCOPES)*, pp. 559–562, 2016.
- [19] D. M. Pozar and B. Kaufman, "Increasing the bandwidth of a microstrip antenna by proximity coupling," *Electronics Letters*, vol. 23, no. 8, pp. 368–369, 1987.

- [20] M. M. Tahseen, B. Layne, and A. A. Kishk, "Artistic textile antennas," in *2017 IEEE International Symposium on Antennas and Propagation USNC/URSI National Radio Science Meeting*, pp. 2185–2186, July 2017.
- [21] L. Kurnia, "Batik jawa bagi dunia; javanese batik to the world," *Wacana*, vol. 19, p. 463, 10 2018.
- [22] H. Situngkir, *Kode - Kode Nusantara*. 05 2018.
- [23] A. K. Gautam, S. Yadav, and B. K. Kanaujia, "A cpw-fed compact uwb microstrip antenna," *IEEE Antennas and Wireless Propagation Letters*, vol. 12, pp. 151–154, 2013.