

## DAFTAR PUSTAKA

- [1] R.E.Blahut, "*Modem Theory : An Introduction to Telecommunications*", Cambridge University Press., vol. 13, no. 1. 2016.
- [2] F. Alviandi, K. Koesmariyanto, and H. Darmono, "Perancangan dan Analisa Antena Yagi 12 Elemen untuk Module Lora RFM95W pada Frekuensi 915 MHz," *Journal Jartel. Jaringan Telekomunikasi.*, vol. 11, no. 1, pp. 44–49, 2021, doi: 10.33795/jartel.v11i1.34.
- [3] N. A. Prasetyo, "PERANCANGAN KENDARAAN TANPA AWAK ( UNMANNED GROUND VEHICLE ) UNTUK MISI PEMANTAUAN BENCANA," *Proceeding Semin. Nas. Tah. Tek. Mesin XV (SNTTM XV)*, no. Snttm Xv, pp. 5–6, 2016.
- [4] Haryanto, K. Rohman, D. Rahmawati, and L. Anifah, "Performance of 2.4 GHz Xbee for Digital Image Transmission with Yagi Antenna," *J. Phys. Conf. Ser.*, vol. 1569, no. 3, 2020, doi: 10.1088/1742-6596/1569/3/032083.
- [5] R. D. Amna, I. Suandi, and N. Nasri, "Rancang Bangun Antena Mikrostrip Dual Band Patch Segi Empat pada Frekuensi 1,5 GHz Dan 2,4 GHz," *J. List. Telekomun. Elektron.*, vol. 17, no. 1, p. 1, 2020, doi: 10.30811/litek.v17i1.1780.
- [6] S.Rahmatia,P.Wulandari,N.Khadiko,F.G.Sulistya, "Perbandingan Desain Antena Dipole dan Yagi-Uda Menggunakan Material Aluminium pada Frekuensi 470 – 890 MHz," *J. AL-AZHAR Indones. SERI SAINS DAN Teknol.*, no. 3, pp. 140–143, 2016.
- [7] D. Sari, R. Anwar, D. A. Nurmantris, F. I. Terapan, U. Telkom, and A. L. High-gain, "PERANCANGAN DAN REALISASI LOW-PROFILE HIGH-GAIN UHF ANTENA UNTUK TELEVISI DIGITAL ( DTV ) Design and Realization of Low-Profile High-Gain UHF Antenna for Digital Television Abstrak," *e-Proceeding Appl. Sci.*, vol. 3, no. 3, pp. 1945–1953, 2018.
- [8] J. Wiley, "*Antenna Theory Analysis and Design*". Constantine A. Balanis Arizona State University Tempe, AZ, 2005.
- [9] S. H. Saputra, A. E. Jayati, and E. Erlinasari, "Rancang Bangun Antena Mikrostrip Patch Circular Dengan Teknik Linier Array Untuk Frekuensi Wifi 2,4 Ghz," *J. Elektr. vol 11*, vol. 11, no. 1, p. 9, 2019, doi: 10.26623/elektrika.v11i1.1538.
- [10] Syaifurrahman, "Selektor Antena Monitoring Frekuensi Radio Menggunakan Mikrokontroler AT 89S51," *J. ELKHA*, vol. 2, no. 3, pp. 33–39, 2010.
- [11] M. B. Aimonetto and F. Fiori, "Susceptibility of 2.4GHz low-power receivers to low frequency EMI," *2018 IEEE Int. Symp. Electromagn. Compat. 2018 IEEE Asia-Pacific Symp. Electromagn. Compat. EMC/APEMC 2018*, pp. 782–787, 2018, doi: 10.1109/ISEMC.2018.8393888.

- [12] T. Ilham, I. Purwana, A. Rusrinar, "Rancang Bangun Unmanned Ground Vehicle ( UGV ) Dengan Kendali Jarak Jauh ( Unmanned Ground Vehicle ( UGV ) System Design With Remote Control )," *e-Proceeding Eng. Vol.9*, vol. 9, no. 5, pp. 2405–2413, 2022.
- [13] L. C. Paul, M. M. G. Nabi, M. M. U. Rashid, R. Sen, M. Z. Mahmud, and M. M. Rahman, "Wideband Microstrip Yagi-Uda Array Antenna with High Gain and F/B Ratio for 5 GHz Wi-Fi Band Applications," *2018 Int. Conf. Innov. Eng. Technol. ICIET 2018*, pp. 1–6, 2019, doi: 10.1109/CIET.2018.8660877.
- [14] R. S. Tiara Dewi, Muhammad Amir Masruhim, "Teori Dasar Antena Mikrostrip," *Lab. Penelit. dan Pengemb. FARMAKA Trop. Fak. Farm. Univ. Mulawarman, Samarinda, Kalimantan Timur*, no. April, pp. 5–24, 2016.
- [15] J. Liu and Q. Xue, "Microstrip magnetic dipole yagi array antenna with endfire radiation and vertical polarization," *IEEE Trans. Antennas Propag.*, vol. 61, no. 3, pp. 1140–1147, 2013, doi: 10.1109/TAP.2012.2230239.
- [16] R. B. Putra, S. Alam, and I. Surjati, "Perancangan Antena Mikrostrip Segiempat Peripheral Slit untuk Aplikasi 2,4Ghz dengan Metode Pencatuan Proximity Coupled," *J. Nas. Tek. Elektro*, vol. 7, no. 1, p. 38, 2018, doi: 10.25077/jnte.v7n1.520.2018.
- [17] V. Bankey and N. A. Kumar, "Design of a YAGI-UDA Antenna with Gain and Bandwidth Enhancement for Wi-Fi and Wi-Max Applications," *Int. J. Antennas*, vol. 2, no. 1, pp. 01–14, 2016, doi: 10.5121/jant.2016.2101.
- [18] G. R. DeJean and M. M. Tentzeris, "A new high-gain microstrip Yagi array antenna with a high front-to-back (F/B) ratio for WLAN and millimeter-wave applications," *IEEE Trans. Antennas Propag.*, vol. 55, no. 2, pp. 298–304, 2007, doi: 10.1109/TAP.2006.889818.
- [19] G. Indumathi and R. Thara, "A Low Profile Microstrip Yagi-Uda Antenna Using Magnetic Dipoles for RADAR," *Proc. 2018 IEEE Int. Conf. Commun. Signal Process. ICCSP 2018*, pp. 33–37, 2018, doi: 10.1109/ICCSP.2018.8524483.
- [20] R. E. Musril, H. A. Rahim, M. Abdulmalek, M. Jusoh, and M. E. M. Salleh, "An Enhanced Gain of Yagi-Uda Antenna with Folded Dipole for Amateur Radio VHF Band Application," in *Journal of Physics: Conference Series*, Jun. 2019, vol. 1175, no. 1. doi: 10.1088/1742-6596/1175/1/012064.
- [21] K. Quzwain, A. Ismail, and A. Sali, "Compact High Gain and Wideband Octagon Microstrip Yagi Antenna," *Electromagnetics*, vol. 36, no. 8, pp. 524–533, 2016, doi: 10.1080/02726343.2016.1236060.
- [22] K. Quzwain, A. Ismail, Yudiansyah, N. M. Rizka, A. Novfitri, and L. Hafiza, "Implementation of double-layer loaded on octagon microstrip yagi antenna," *Bull. Electr. Eng. Informatics*, vol. 10, no. 6, pp. 3289–3296, 2021, doi: 10.11591/eei.v10i6.3193.