DAFTAR PUSTAKA

[1] C. Chen, J. Li, V. Balasubramaniam, Y. Wu, Y. Zhang, and S. Wan, "Contention resolution in wi-fi 6-enabled internet of things based on deep learning," *IEEE Internet Things J.*, vol. 8, no. 7, pp. 5309–5320, 2021, doi: 10.1109/JIOT.2020.3037774.

[2] M. A. Annas, A. Widodo, U. Chasanah, M. C. Aisiyah, I. E. Ningrum, and U. M. Lamongan, "POLA RADIASI ANTENA *PATCH* DALAM SKALA LINIER," vol. 2, pp. 705–718, 2022.

[3] F. X. H. Prasetya and A. Mira, "Perancangan Antena Mikrostrip Model PIFA untuk Aplikasi Telepon Seluler," 2010.

[4] E. A. Ischenko, Y. G. Pasternak, V. A. Pendyurin, and S. M. Fedorov, "Active *Patch* antenna for Wi-Fi 5, 6 and Wi-Fi 6E applications," *J. Phys. Conf. Ser.*, vol. 2096, no. 1, 2021, doi: 10.1088/1742-6596/2096/1/012010.

[5] A. Arfianto, N. Nurhayati, L. Anifah, and I. G. P. A. Buditjahjanto, "Optimasi Kinerja Antena Mikrostrip Dengan Modifikasi *Patch* dan Ground Plane Untuk Aplikasi Ultra-wideband (UWB)," *J. Tek. Elektro*, vol. 11, no. 1, pp. 155–162, 2022, doi: 10.26740/jte.v11n1.p155-162.

[6] Z. Azzahra, "ANALISA PENINGKATAN *BANDWIDTH* PADA ANTENA MIKROSTRIP MENGGUNAKAN *RECTANGULAR* SLOT DAN *DEFECTED GROUND STRUCTURE* UNTUK WI-FI 6E PADA FREKUENSI 5,925-7,125 GHZ," *Dep. Tek. Elektro Univ. Andalas*, p. 147, 2023.

[7] Y. Pratama, "PENINGKATAN BANDWITH DAN SIZE REDUCTION ANTENA MIKROSTRIP CIRCULAR *PATCH* DENGAN PENCATU MICROSTRIP LINE MENGGUNAKAN *DEFECTED GROUND STRUCTURE* PADA FREKUENSI WIFI 6E," *Dep. Tek. Elektro Univ. Andalas*, p. 80, 2024.

[8] G. Arsyad U.N, "Peningkatan *Bandwidth* Pada Antena Mikrostrip Circular *Patch* Dengan Teknik Double Substrate DAN SLOT PADA FREKUENSI WIFI 6E," *Dep. Tek. Elektro Univ. Andalas*, p. 81, 2022.

[9] Constantine A. Balanis, "ANTENNA THEORY ANALYSIS AND DESIGN FOURTH EDITION," *John Wiley Sons, Inc.*, vol. 4, no. 1, pp. 9–15, 2016.

[10] IEEE, *IEEE Standard Definitions of Terms for Radio Wave Propagation IEEE Antennas and Propagation Society IEEE Standard Definitions of Terms for Radio Wave Propagation*, vol. 145–2013, no. 2013. 2014.

[11] R. Garg, P. Bhartia, I. Bahl, and A. Ittipiboon, "Microstrip Antenna Design Handbook," *Artech House, inc.* p. 434, 2001.

[12] S. Shankar and H. Chaurasiya, "*Inset Feed* microstrip *Patch* antenna," *2015 Int. Conf. Comput. Commun. Secur. ICCCS 2015*, vol. 5, no. 2, pp. 324–329, 2016, doi: 10.1109/CCCS.2015.7374189.

[13] S. Y. Pratama and F. E. Ananda, "Desain Antena Mikrostrip *Rectangular*

Patch dengan Inset-*Feed* dan Teknik DGS untuk Meningkatkan *Bandwidth* pada WiFi 2,45 GHz," *Spektral*, vol. 3, no. 2, pp. 145–150, 2022, doi: 10.32722/spektral.v3i2.5359.
[14] W. L. Stutzman and G. A. Thiele, "Antenna Theory and Design," *JOHN WILEY SONS, INC.*, p. 665, 1998.
[15] W. Yibo, W. Shuyue, and Z. Jinju, "*Bandwidth* enhanced miniaturized slot antenna on a thin microwave laminate," *AEU - Int. J. Electron. Commun.*, vol. 127, no. July, p. 153475, 2020, doi: 10.1016/j.aeue.2020.153475.
[16] H. Bukhari and K. Sarabandi, "Miniaturized omnidirectional horizontally polarized antenna," *IEEE Trans. Antennas Propag.*, vol. 63, no. 10, pp. 4280–4285, 2015, doi: 10.1109/TAP.2015.2456971.
[17] T. Tewary, S. Maity, S. Mukherjee, A. Roy, P. P. Sarkar, and S. Bhunia, "Design of high *Gain* broadband microstrip *Patch* antenna for UWB/X/Ku band applications," *AEU - Int. J. Electron. Commun.*, vol. 139, no. June, p. 153905, 2021, doi: 10.1016/j.aeue.2021.153905.
[18] L. G. Maloratsky, "Microstrip Circuits with a Modified Ground Plane," *High Freuency Des.*, no. December, pp. 38–47, 2009.
[19] Cisco, "IEEE 802.11ax : The Sixth Generation of Wi-Fi," *Cisco.com*, pp. 1–16, 2020.
[20] D. W. Astuti, "Pelatihan Pengenalan Software Ansoft Hfss Pada Perancangan Filter," *J. Abdi Masy.*, vol. 2, no. 2, pp. 1–14, 2017.
[21] Ansoft Corporation, "User's guide – High Frequency Structure Simulator," p. 801, 2005, [Online]. Available: http://anlage.umd.edu/HFSSv10UserGuide.pdf