

BIBLIOGRAPHY

- [1] Booth, C.F. (1949). "Nomenclature of Frequencies". The Post Office Electrical Engineers' Journal. 42 (1): 47–48.
- [2] A. Munir, Ananto, L. Olivia, "Square to Parallel Plate Waveguide Transition and Its Tapering Effect for Microwave Devices Characterization" - International Jurnal of Electrical Engineering and Informatics (IJEEI), 2013.
- [3] A. Munir and V. Fusco, "Tunable frequency selective surfaces characterization", 38th European Microwave Conference (EuMC) Proc., pp. 813-816, Amsterdam, Netherlands, 2008.
- [4] L. O. Nur, A. Munir, Sugihartono, and A. Kurniawan, "Perancangan dan fabrikasi penyerap gelombang elektromagnetik," pp. 40–45, 2016.
- [5] Hippel, A. "Theory and Application of RF/Microwave Absorbers", (white paper), Emerson & Cuming Microwave Products, Inc.

A. Tennant and B. Chambers, "Adaptive radar absorbing structure with PIN diode controlled active frequency selective surface", Smart Mater. Struct., vol. 13, pp. 122-125, 2004.
- [6] D. Sievenpiper. "High-impedance electromagnetic surfaces", PhD Thesis, UCLA, 1999
- [7] W. H. Emerson, "Electromagnetic Wave Absorbers and Anechoic Chambers Through the Years," IEEE TRANSACTIONS ON ANTENNAS AND PROPAGATION, vol. 21, p. 484, 1973.
- [8] M. Cao and Q. Zhang, "Design of broadband multi-layer metamaterial absorber," in Proceedings of IEEE MTT-S International Wireless Symposium (IWS), Chengdu, China, May 2018, pp. 1–3.

- [9] B. Syihabuddin, M. R. Efendi, A. Munir, "Experimental Characterization of SRR-based Multilayer X-band Wave Absorber," PIERS 2019, Xiamen December, 2019.
- [10] Hong-Min Lee and Hyung-Sup Lee, "A Method for Extending the Bandwidth of Metamaterial Absorber," *International Journal of Antennas and Propagation*, vol. 2012, pp. 1-7.
- [11] G. T. Ruck, D. E. Barrick, W. D. Stuart, "Radar Cross Section Handbook", Vol. 2, Plenum, New York, 1970.
- [12] M. Yoo, S. Lim, "Polarization-Independent and Ultrawideband Metamaterial Absorber Using a Hexagonal Artificial Impedance Surface and a Resistor-Capacitor Layer," in *IEEE Transactions on Antennas and Propagation*, vol. 62, no. 5, pp. 2652-2658, 2014.
- [13] Bhattacharya. A., "Modeling and Simulation of Metamaterial-Based Devices for Industrial Applications Application Engineer", (white paper), CST AG, Darmstadt, Germany.
- [14] M. Beckers, B. Weise, S. Kalapis, et al., "Basics of light guidance", Woodhead Publishing, Number 4, pp. 10-12, 2017.
- [15] Y. Koustuka, "Electromagnetic Wave Absorbers: Detailed Theories and Applications 1st Edition", Wiley, 2019.
- [16] Y. Zhang, J. Von Hagen, M. Younis, C. Fischer, dan W. Wiesbeck, "Planar Artificial Magnetic Conductors and Patch Antennas", *IEEE Trans. Antennas and Propagation*, vol. 51, no. 10, pp. 2704-2712, October 2003.
- [17] Padilla, W. J., Vier, D. C., Nemat-Nasser, S. C., & Schultz, S. (2000). Composite Medium with Simultaneously Negative Permeability and Permittivity. *Physical Review Letters*, 84(18), 4184–4187.

- [18] UWB first report and order, FCC rules and regulations, Washington DC, USA: FCC, 2002.
- [19] H. A. Susanto, E. Setijadi, P. Handayani, "Simulation design of triple band metamaterial absorber for radar cross section reduction," IEEE International Conference on Communication, Networks and Satellite (COMNETSAT), Surabaya, 2016, pp. 34-37.
- [20] W. L. Stutzman, G. A. Thiele, "Antenna Theory and Design," United State of America, p. 478, 2017.
- [21] F. Brambila, A. Potapov, "Fractal Analysis - Applications in Physics, Engineering and Technology" Rijeka, InTechOpen, June 2017
- [22] Allouche, J. Paul, Shallit, Jeffrey "Automatic sequences: theory, applications, generalizations" Cambridge University Press, 2003.
- [23] Munir, A., V. Fusco, "Effect of Surface Resistor Loading on High Impedance Surface Radar Absorber Return Loss and Bandwidth" Microwave and Optical Tech. Lett., vol. 51, no. 7, pp. 1773-1775, Juli 2009.
- [24] Roy, S. Chakraborty, U., "Metamaterial-embedded Dual Wideband Microstrip Antenna for 2.4 ghz WLAN and 8.2 ghz ITU band applications", Waves in Random and Complex Media, 30(2), 193–207. 2018
- [25] Ravi P., J. R. Lee, "Performance and non-destructive evaluation methods of airborne radome and stealth structures," IOP Publishing, vol. 29, no.6, April 2018