

DAFTAR ISI

- [1] Peraturan Menteri Komunikasi dan Informatika Republik Indonesia No.27 Tahun 2015 tentang Persyaratan Teknis Alat dan atau Perangkat Perangkat Telekomunikasi Berbasis Standar Teknologi Long Term Evolution. Jakarta: Menkominfo.
- [2] W. L. Stutzman and G. A. Thiele. 1998. *Antenna Theory and Design, 2nd Edition*. New York.
- [3] V. R. Ekke, Gain Enhancement of Microstrip Patch Antenna Array by using Substrate Integrated Waveguide for Wireless Communication System, dipresentasikan pada *International Conference on Automatic Control and Dynamic Optimization Techniques (ICACDOT)*, Pune, 9-10 September 2016.
- [4] P. Ravikumar, D. A. Kumar, and P. Devipradeep, Gain and Bandwidth Enhancement of a Circular Microstrip Patch Antenna Using an Air Layer between Two Substrates, *Int. Conf. Electr. Electron. Signals, Commun. Optim. EESCO*, pp. 2–5, 2015.
- [5] Setijadi, Eko, dkk, Implementasi Ground Plane Berstruktur Periodik untuk Memperlebar Bandwidth pada Antena Rectangular Patch, *Java Journal of Electrical and Electronics Engineering*, **12(2)**, 2014.
- [6] Balanis, Constantine A, *Antenna Theory Analysis and Design, Third Edition*, Wiley- Interscience, United States of America, 2005.
- [7] Julianti, Risna. *Perancangan dan Simulasi Antena Mikrostrip Rectangular Linear Array untuk Aplikasi Antena Repeater pada Pita Frekuensi Uplink 3G*. Tugas Akhir, Universitas Andalas. 2015.
- [8] A.S, Sudi Mariyanto, dkk. Design and Realization of Microstrip Antenna for GPS Application using Proximity Coupled Techniques, *IEEE Xplore Digital Library*, 2017.

- [9] Garg, R., dkk, *Mikrostrip Antenna Design Handbook*, Artech House Inc, London, 2001.
- [10] Nahian, Abdullah Al, Design and Performance Analysis of U-Slot, Y-Slot, and U-Y Slot Microstrip Patch Antenna for Wireless Applications, *Daffodil International University*, 2016.
- [11] Julardi, Neronzie, *Rancang Bangun Antena Mikrostrip Patch Circular (2,45 GHz) dengan Teknik Planar Array sebagai Penguat Sinyal WI-FI*, Tugas Akhir, Universitas Sumatera Utara, 2013.
- [12] Jain, Manasi, and Sunil Joshi, Designing Microstrip Patch Antenna for LTE Mobile Application, *College of Technology and Engineering*, 2015.
- [13] Silalahi, Maria Natalia, *Analisis Antena Mikrostrip Patch Segiempat dengan Teknik Planar Array*, Tugas Akhir, Universitas Sumatera Utara, 2013.
- [14] Alsager, Ahmed Fatthi, *Design and Analysis of Microstrip Patch*, 2011.
- [15] Pratama, Febrian Akbar, *Perancangan dan Simulasi Antena Mikrostrip Circular Multilayer Untuk Aplikasi Antena 4G LTE Pada Pita Frekuensi 2300 MHz (Band 40)*, Tugas Akhir, Teknik Elektro FT UNAND, 2017.
- [16] Fong, Lee Kai dan Chair Ricky (Eds.), *On The Use of Shorting Pins in the Design of Microstrip Patch Antennas*, Taylor and Francis Publisher, Australia, 2014.
- [17] Nurmantris, Dwi Andi, dkk. Pattern Reconfigurable Patch Antenna menggunakan Edge Shorting Pin dan Symmetrical Control Pin, *Jurnal ELKOMIKA*, 3(2): 177-190, 2015.
- [18] Sanad, Mohamed, Effect Of The Shorting Posts On Short Circuit Microstrip Antennas, *Antennas and Propagation Society International Symposium*, 794-797, 1994.
- [19] D. Guha, M. Yahia, dan M. Antar, Circular Microstrip Patch Loaded with Balanced Shorting Pins for Improved Bandwidth, *IEEE*, 5:217-219, 2006.
- [20] Gemiharto, Ilham, Teknologi 4g-Lte dan Tantangan Konvergensi Media Di Indonesia. *Jurnal Kajian Komunikasi*, Bandung. 2015.

- [21] ANSOFT CORPORATION, *User's Guide – High Frequency Structure Simulator*. Pittsburgh: Ansoft Corporation, 2005.
- [22] D. Pasaribu, dan A. H. Rambe, Rancang Bangun Antena Mikrostrip Patch Segiempat pada Frekuensi 2,4 GHz dengan Metode Pencatuan Inset, *Jurnal Singuda Ensikom*, 7(1), 2014.
- [23] R. B. Putra, S. Alam, dan I. Surjati, Perancangan Antena Mikrostrip Segiempat Peripheral Slit untuk Aplikasi 2,4 GHz dengan Metode Pencatuan Proximity, *Jurnal Nasional Teknik Elektro*, 7(1), 2018.
- [24] A. Firdausi, Antena Mikrostrip Double-Layer untuk Aplikasi WLAN 802.11ac, *Incomtech Jurnal Telekomunikasi dan Komputer*, 8(1), 2017.
- [25] T. Firmansyah, dkk, Peningkatan Bandwidth Antena Mikrostrip Lingkaran Menggunakan Metode Beveled Half Cut, *Seminar Nasional Inovasi dan Aplikasi Teknologi di Industri*, 2017.
- [26] I. Y. Wulandari, dan M. Alaydrus, Observation of Multiband Characteristics of Microstrip Antenna Using Defected Ground Structure, *IEEE*, 2017.
- [27] L. G. Maloratsky, Microstrip Circuit with a Modified Ground Plane, *Summit Technical Media*, 2009.
- [28] C.L. Tang, H. T. Chen, and K. L. Wong, Small Circular Microstrip Antenna With Dual Frequency Operation, *IEEE*, 1997.

