DAFTAR PUSTAKA

[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] Balanis, Constantine A. 2005. *Antenna Theory Analysis and Design, Third Edition.* Amerika: Wiley-Interscience.

[3] W. L. Stutzman and G. A. Thiele. 1998. *Antenna Theory and Design, 2nd Edition*. New York.

[4] Kurniawan, Farohaji, dkk. *Bandwidth Enhancement of Circular Polarized X-Band Microstrip Array Antenna Using ERS*. Josaphat Microwave Remote Sensing Laboratory, Centre for Environmental Remote Sensing. 2017.

[5] Nagulpeli, S. A dan Varun D. *Hexagonal Shaped Magnetically Coupled EBG for X-band Antenna Bandwidth Enhancement*. Department of Electronics and Communication Ramaiah University of Applied Sciences Bangalore, India. 2018.

[6] Munir, Achmad, Guntur Petrus dan Hardi Nusantara. *Multiple Slot Technique For Bandwidth Enhancement Of Microstrip Rectangular Pacth Antenna*. Institut Teknologi Bandung. 2013.

[7] Wulandari, Ike Yuni. *Simulasi Peningkatan Bandwidth pada Antena Mikrostrip dengan Teknik Defected Ground Structure (DGS) Menggunakan Software Sonnet*. Universitas Nurtanio, Bandung, Jawa Barat.

[8] Alsager, Ahmed Fatthi. *Design and Analysis of Microstrip Patch Antenna Arrays*. Master Thesis, University of Boras, Swedia. 2011.

[9] Makarov, S.N. 2002. *Antenna and EM Modeling with MATLAB*. John Wiley & Sons, Inc.

[10] A.S, Sudi Mariyanto, dkk. *Design and Realization of Microstrip Antenna for GPS Application using Proximity Coupled Techniques*. IEEE Xplore Digital Library. 2017.

[11] Garg, R., dkk. 2001. *Mikrostrip Antenna Design Handbook*, Artech House Inc, London.

[12] Julianti, Risna. *Perancangan dan Simulasi Antena Mikrostrip Rectangular Linear Array untuk Aplikasi Antena Repeater pada Pita Frekuensi Uplink 3G*. Tugas Akhir, Universitas Andalas. 2015.

[13] Werfelli Houda, dkk. *Design of Rectangular Microstrip Patch Antenna*. National Engineer School of Sfax, Tunisia. 2016.

[14] Wulandari, Ike Yuni. *Perancangan Dan Pembuatan Antena Mikrostrip Patch Segiempat Untuk Meningkatkan Bandwidth Dengan Metode Defected Ground Structure (DGS)*. Tesis, Universitas Mercu Buana. 2017.

[15] Leo G Maloratsky. *Microstrip Circuits with a Modified Ground Plane*. Summit Technical Media. 2009.

[16] Gemiharto, Ilham. *Teknologi 4g-Lte dan Tantangan Konvergensi Media Di Indonesia*. Jurnal Kajian Komunikasi, Bandung. 2015

[17] ANSOFT CORPORATION. 2005. *User's Guide – High Frequency Structure Simulator*. Pittsburgh.

[18] Uli, Winny, Rambe Friska dan Ali Hanafiah. *Rancang Bangun Patch RectangularAntenna 2.4 GHz Dengan Metode Pencatuan EMC (Electromagnetically Coupled).* Fakultas Teknik Universitas Sumatera Utara (USU), Medan. 2014.