

DAFTAR REFERENSI

- [1] J. Carlos, F. Diaz, W. E. Carter, R. L. Shrestha, and C. L. Glennie, *Handbook of Satellite Applications*. 2013.
- [2] General Dynamics SATCOM Technologie, “Model 970 Antenna Control System,” 2012.
- [3] C. Mahardhika, B. S. Nugroho, and B. Syihabuddin, “Perancangan Butler Matriks 4x4 untuk Pengarahan Berkas Antena pada Stasiun Bumi,” *Seniati*, pp. 1–7, 2017.
- [4] M. Nur Kamila, Dr. Bambang Setia Nugroho, Budi Syihabuddin, ST., “07_RETII 2015 Paper Nur Kamila,” *RETII*, 2015.
- [5] D. A. Putra, B. S. Nugroho, and W. B. Matrix, “DESAIN DAN REALISASI WIDEBAND BUTLER MATRIX 4X4 UNTUK SWITCHED BEAM ADAPTIVE ANTENNA,” *Telkom Univ.*, pp. 1–9, 2011.
- [6] C. Kalialakis, “Feasibility of Microstrip Wilkinson Power Dividers on FR4 Substrates for L-Band 1-2 GHz Applications,” *EETT (Natl. Regul. Auth. Greece)*, 2013.
- [7] C. Mahardika, B. S. Nugroho, B. Syihabuddin, A. D. Prasetyo, and A. P. Divider, “Modified Wilkinson Power Divider 1 to 4 at S-Band,” *Int. Conf. Control. Electron. Renew. Energy, Commun. 2016 (ICCEREC 2016)*, pp. 5–8, 2016.
- [8] C. Mahardhika, K. J. Sinaga, and M. Arsyad, “Analisis Perubahan Fasa Terhadap Pola Radiasi untuk Pengarahan Berkas Antena Stasiun Bumi,” *RETII*, vol. 1, no. 1, pp. 1–6, 2016.
- [9] A. A. S. Yasser M. Madany , Hassan M. Elkamchouchi, “Investigation and Design of Distributed Subarray Smart Antenna System Using 1:8 Switched Butler Matrix For Phased-Array Radar Applications,” *Int. High Speed Intell. Commun.*, 2012.
- [10] K. Umum, K. Kepolisian, Republik Indonesia, and S. D. Postel, *Organisasi amatir radio indonesia*, no. 21. Indonesia, 2009, pp. 1–9.
- [11] S. Kusmaryanto, *Spacecraft*. Malang: Universitas Brawijaya, 2013.
- [12] M. D. Pozar, *Microwave Engineering*, 4th ed. New York: John Wiley & Sons, Inc., 2012.
- [13] Y. KURNIA NINGSIH, “Pengkopel Gybrid 3dB Mikrostrip non Linier Pita Lebar dan Aplikasinya pada Butler Matriks untuk Antena dengan Banyak Arah Berkas pada x-band,” *Univ. Indones.*, 2011.
- [14] H. Nachouane, A. Najid, A. Tribak, and F. Riouch, “Broadband 4x4 Butler Matrix Using Wideband 90 ° hybrid Couplers and Crossovers for Beamforming Networks.”
- [15] N. M. Mahyuddin, M. F. Ain, S. Idris, S. Hassan, and M. Singh, “Modeling of a 10GHz Dielectric Resonator Oscillator in ADS,” vol. 0, pp. 106–110, 2006.
- [16] General Dynamics SATCOM Technologies, “Model 970 Antenna Control System,” 2012.
- [17] I. Skywork, “Design With PIN Diodes Application Note,” 2012. [Online].

Available: www.skyworksinc.com. [Accessed: 16-Feb-2016].

- [18] J. Selvaraj, "Phase shifter design Research study and verification of wide band phase shifter circuits Phase shifter design Research study and verification of wide band phase shifter circuits," 2012.