

DAFTAR PUSTAKA

- [1] E. Sandi, A. Diamah, and A. I. Santoso, “Desain Antena Reflektor Parabola untuk Aplikasi Radar Maritim dengan Rekayasa Feed *Horn*,” *ELKOMIKA: Jurnal Teknik Energi Elektrik, Teknik Telekomunikasi, & Teknik Elektronika*, vol. 11, no. 2, p. 451, Apr. 2023, doi:10.26760/elkomika.v11i2.451.
- [2] R. K. Chand, “Radiation Analysis and Design of Piramidal *Horn* Antena.” [Online]. Available: www.ijert.org
- [3] D. F. Achmad Dahlan, " *Rancang Bangun Antena Mikrostrip Circular Array Four Element 2,4 GHz Dengan Pola Radiasi Bidirectional*," vol. 2, no. 1, p. 44, 2008.
- [4] G. P. Gao, C. Yang, B. Hu, S. F. Wang, and R. F. Zhang, “Design of a high-gain and low-profile quasi-*cassegrain* antenna based on metasurfaces,” *IEEE Antenas Wirel Propag Lett*, vol. 17, no. 8, pp. 1435–1439, Aug. 2018, doi: 10.1109/LAWP.2018.2848920.
- [5] J. Wang, J. Xiang Ge, Y. Zhou, H. Xia, and X. Zhi Yang, “Design of a High-Isolation 35/94-GHz Dual-Frequency Orthogonal-Polarization *Cassegrain* Antena,” *IEEE Antenas Wirel Propag Lett*, vol. 16, pp. 1297–1300, 2017, doi: 10.1109/LAWP.2016.2633284.
- [6] S. Marini, S. Dewi, “Antena Mikrostrip Single Layer Dual Band Untuk Komunikasi Satelit Pada Spektrum S-Band Dan Ku-Band.” vol. 6 , p. 11, 2018.
- [7] F. Rizqa, D. Arseno, and T. Yunita, “Analisis Dan Desain Antena Mikrostrip Untuk Komunikasi Satelit Pada Frekuensi Ka-Band,” *AVITEC*, vol. 1, no. 2, Jan. 2020, doi: 10.28989/avitec.v2i1.590.
- [8] R M. Teten Dian Hakim, " *Optimalisasi Bandwidth Transponder 9v Satelit Merah Putih Dengan Kalkulasi Link Budget*”, vol. 8, no. 3, p. 82, 2022.
- [9] N. Ma’ruf, I. Muhammadiyah, I. Permatasari, R. D. Wahyuningrum, and P. Studi, “Analisis Diameter Antena dan Redaman Hujan Menggunakan Frekuensi Ku-Band Dan C-Band untuk Komunikasi VSAT SCPC Satelit Telkom 3S pada Link Bogor-Tiakur,” 2022. [Online]. Available: <http://jurnalnasional.ump.ac.id/index.php/JRRE>

- [10] A. Budi and R. Nugroho, "Perancangan Komunikasi Data VSAT Mobile Dengan Frekuensi KU-Band Pada Satelit Palapa," *Jurnal Ilmiah GIGA*, vol. 20, no. 2, pp. 64–76, 2017.
- [11] C. Kurniaty, H. Wijanto, "Komparasi Performansi Antena Mikrostrip C-Band Susunan 4-Element Antara Bahan Tembaga Dan Emas Performance Comparison Between Gold And Copper C-Band 4-Elements Mikrostrip Array Antena" vol. 4, 2017.
- [12] M. Myint, Dr. Zaw Min Aung, "*Performance Analysis and Design Consideration of Cassegrain for Satellite Communication*," vol. 1, 2009.
- [13] D. N. Yoliadi, "Analisis Receive Signal Strength Indicator (RSSI) Antena Eksternal Payungbolic Dengan Antena *Directional* Parabola Pada Komunikasi *Outdoor Wireless* Lan 2,4 GHz," vol. 13, 2022.
- [14] K. Karki *et al.*, "*A New Computation Method For Pointing Accuracy Of Cassegrain Antena In Satellite Communication* ," *Article in Journal of Theoretical and Applied Information Technology*, vol. 15, no. 13, 2017, [Online]. Available: www.jatit.org
- [15] M. Putra, "Rancang Bangun Antena Biquad Dengan Reflektor Grid Parabolik Untuk Mengoptimalkan *Gain* Antena Pada Frekuensi 450 Mhz," *Jurnal Tektro*, vol. 4, no. 2, 2020.
- [16] N. Husna Shabrina, "Analisis Pola Radiasi Antena Dipole pada aplikasi Wireless Sensor Networks di Industrial Site," *ULTIMA Computing*, vol. X, no. 2, p. 47, 2018.
- [17] S. Pulungan, T. Pontia, "Analisis Penggunaan 4 Model Reflektor Antena Yagi Terhadap Penguatan Sinyal Pada Beberapa Obstacle Bangunan Di Lingkungan Fakultas Teknik *Jurnal Tektro*, 2019."
- [18] R. P. Ananda, "*Desain Antena Array Coplanar Vivaldi pada Frekuensi L, S dan C band*," vol. 11, no. 2, p. 176, 2022.
- [19] M. M. Lumembang, A. Bualkar, A. Arifin, J. Perintis, K. Km10, and S. Selatan, "Karakterisasi Antena Mikrostrip Slot Bowtie pada Frekuensi 2,4 GHz Characterization of Slot Bowtie Mikrostrip Antena at 2.4 GHz Frequency," vol. 3, no. 1, pp. 1–4, 2019.

- [20] S. Muthia, “Analisis Antena Mikrostrip Fraktal Sierpinski Gasket Mimo.” vol. 3, no. 1, pp. 55, 2018.
- [21] Y. Christyono, I. Santoso, and R. D. Cahyo, “Perancangan Antena Mikrostrip *Array* Pada Frekuensi 850 Mhz.”
- [22] I. M. P. Budi, E. S. Nugraha, and A. Agung, “Perancangan Dan Analisis Antena Mikrostrip Mimo *Circular* Pada Frekuensi 2.35 GHz Untuk Aplikasi LTE,” *JURNAL INFOTEL*, vol. 9, no. 1, p. 136, Feb. 2017, doi: 10.20895/infotel.v9i1.130.
- [23] I. N. I. M. Khairunnisa, "Pola radiasi *directional* dan *omnidirectional*," *Visualisasi Tiga Dimensi Pola Radiasi Antena Dipole*, vol. 7, no. 2, p. 39, 2019.
- [24] M. Reza Syahputra and M. Irhamsyah, “Perancangan Antena Mikrostrip Rectangular Patch *Array* 4 Elemen Untuk Aplikasi LTE,” vol. 2, no. 4, p. 2017, 2017.
- [25] A. S. Irtawaty, “Pengaruh *Beamwidth*, *Gain* dan Pola Radiasi terhadap Performansi Antena Penerima,” vol.6, p.15, 2018.
- [26] H.W S. Francisca, “Antena Crossed Bowtie Untuk Penerima Tv Digital 478-694 MHz Crossed Bowtie Antena for Digital TV Receiver 478-694 MHz.” vol.5, p.307, 2018.
- [27] H. Daniel “Analisis Performansi Kanal Mimo Menggunakan Diversitas Polarisasi Antena Mimo Channel Performance Analysis Using Antena Polarization Diversity Techniques”, vol.9,p.352, 2022.
- [28] N. A. Aboserwal, J. L. Salazar, J. A. Ortiz, J. D. Diaz, C. Fulton, and R. D. Palmer, “Source Current Polarization Impact on the Cross-Polarization Definition of Practical Antena Elements: Theory and Applications,” *IEEE Trans Antenas Propag*, vol. 66, no. 9, pp. 4391–4406, Sep. 2018, doi: 10.1109/TAP.2018.2845945.
- [29] M. Singh Meena and V. Prakash, “Simulation Results of *Circular Horn* Antena,” *International Research Journal of Engineering and Technology*, vol.5, 2018.

- [30] Al-Nuaimi, W. Hong, and Y. Zhang, "Design of high-*directivity* compact-size *conical horn* lens antenna," *IEEE Antenas Wirel Propag Lett*, vol. 13, pp. 467–470, 2014, doi: 10.1109/LAWP.2013.2297519.
- [31] W. P. Imam MPB, *Sistem Komunikasi Satelit*, Yogyakarta: Andi Offset, 2014
- [32] M. Alaydrus, *Antena Prinsip & Aplikasi*, Yogyakarta: Graha Ilmu, 2011