

DAFTAR PUSTAKA

- [1] A. A. Doroshkin, A. M. Zadorozhny, O. N. Kus, V. Y. Prokopyev, and Y. M. Prokopyev, "Experimental study of lora modulation immunity to doppler effect in cubesat radio communications," *IEEE Access*, vol. 7, pp. 75 721–75 731, 2019.
- [2] M. Oredsson, "Electrical power system for the cubestar nanosatellite," Master's thesis, 2010.
- [3] Y. Li, S. K. Podilchak, and D. E. Anagnostou, "A miniaturized circularly polarized antenna using a meandered folded-shortened patch array for cubesats," in *2020 14th European Conference on Antennas and Propagation (EuCAP)*. IEEE, 2020.
- [4] L. Trinh, T. Q. K. Nguyen, D. Phan, V. Tran, V. Bui, N. Truong, and F. Ferrero, "Miniature antenna for iot devices using lora technology," in *2017 International Conference on Advanced Technologies for Communications (ATC)*. IEEE, 2017.
- [5] B. SATRIYOTOMO, "Antena mikrostrip segi empat pojok terpotong untuk penerima sinyal ads-b pada satelit nano," 2020.
- [6] M. Chessab Mahdi, J. Sadiq, and S. AL-Razak, "Design and implementation of an effective electrical power system for nano-satellite," *International Journal of Scientific and Engineering Research*, vol. 5, 05 2014.
- [7] M. C. Mahdi, *Attitude Stabilization for CubeSat: Concepts and Technology*. Cambridge Scholars Publishing, 2018.

- [8] A. Augustin, J. Yi, T. Clausen, and W. M. Townsley, "A study of lora: Long range & low power networks for the internet of things," *Sensors*, vol. 16, no. 9, p. 1466, 2016.
- [9] A. J. Wixted, P. Kinnaird, H. Larijani, A. Tait, A. Ahmadiania, and N. Strachan, "Evaluation of lora and lorawan for wireless sensor networks," in *2016 IEEE SENSORS*.
- [10] A. Zourmand, A. L. K. Hing, C. W. Hung, and M. AbdulRehman, "Internet of things (iot) using lora technology," in *2019 IEEE International Conference on Automatic Control and Intelligent Systems (I2CACIS)*. IEEE, 2019.
- [11] (2015) white paper: A technical overview of lora and lorawan. [Online]. Available: https://www.tuv.com/media/corporate/products_1/electronic_components_and_lasers/TUeV_Rheinland_Overview_LoRa_and_LoRaWANtmp.pdf
- [12] I. P. Sari and T. Hariyanto, "Sistem pengiriman data antar mesin menggunakan modul radio lora hc-12 pada prototipe smart water meter berbasis mikrokontroler," in *Prosiding Industrial Research Workshop and National Seminar*, vol. 11, no. 1, 2020.
- [13] F. Setu. Penetapan Regulasi mengenai Persyaratan Teknis Alat dan/atau Perangkat Telekomunikasi Low Power Wide Area (LPWA). (2019, Mei 16). [Online]. Available: <https://www.kominfo.go.id>
- [14] C. A. Balanis, "Antenna theory third edition analysis and design," *John Wiley & Sons Inc*, pp. 811–842, 2005.
- [15] M. F. Iskander, *Electromagnetic fields and waves*. Waveland Press, 2013.
- [16] L. AMMAI, "Miniaturisasi antena mikrostrip menggunakan defected ground structure pada frekuensi fixed wimax 3.65 ghz," 2017.

- [17] D. R. Jackson and J. Volakis, "Microstrip antennas," *Antenna engineering handbook*, vol. 4, 2007.
- [18] J. Huang, "A review of antenna miniaturization techniques for wireless applications," 2001.
- [19] P. Daud, D. Mahmudin, A. Fathnan, I. Syamsu, T. Estu, and Y. Wijayanto, "Inset-fed u-slotted patch antenna array for 10ghz radio-over-fiber applications," in *2016 IEEE International Conference on Semiconductor Electronics (ICSE)*. IEEE, 2016.
- [20] K. S. Aung and S. S. Mon, "Comparison of rectangular and truncated rectangular patch antenna for ku-band," *International Journal of Electronics and Computer Science Engineering*, vol. 3, no. 02, 2012.
- [21] D. K. Nguyen, O. Pascal, J. Sokoloff, A. Chabory, B. Palacin, and N. Capet, "Discussion about the link budget for electromagnetic wave with orbital angular momentum," in *The 8th European Conference on Antennas and Propagation (EuCAP 2014)*, 2014.
- [22] I. E. Dewanti, A. Wahyudin, and A. Hikmaturokhman, "Analisis perbandingan passive repeater back-to-back antenna dan passive repeater plane reflector menggunakan pathloss 5. 0 comparative analysis of passive repeater back-to-back passive repeater antenna and plane reflector using the," *SENATEK 2017*, pp. 1–8, 2017.
- [23] alldatasheet. SX1276 Datasheet (PDF) - Semtech Corporation. 2015.