

DAFTAR PUSTAKA

- [1] J. Chin, R. Coelho dan R. Coelho, CubeSat101 Basic Concepts and Processes for First-Time CubeSat Developers, San Luis Obispo: California Polytechnic State University, 2017.
- [2] A. Toorian, K. Diaz dan S. Lee, “The CubeSat Approach to Space Access,” dalam *IEEE Aerospace Conference*, Pasadena, 2008.
- [3] N. Saeed, A. Elzanaty, H. Almorad, H. Dahrouj, T. Y. Al-Naffouri dan Mohamed-Slim, “CubeSat Communications: Recent Advances and,” *IEEE Communications Surveys & Tutorials*, vol. 22, no. 3, pp. 1839 - 1862, 2020.
- [4] M. Ahmed, S. Das dan M. Mojid, “Design of a FM Transmitter and Receiver Operates at 90 MHZ,” *Green Global Foundation*, vol. 6, no. 1, pp. 16-24, 2016.
- [5] D. Boswarthick, O. Elloumi dan O. Hersent, “Introduction to M2M,” dalam *M2M Communications: A Systems Approach*, Wiley Telecom, 2011, pp. 1-20.
- [6] *LoRa™ Modulation Basics*. [Performance]. Semtech Corporation, 2015.
- [7] V. Y. Prokopyev, S. S. Bakanov dan V. K. Bodrov, “NORBY CubeSat nanosatellite: design challenges and the first flight data,” dalam *Journal of Physics: Conference Series*, 2021.
- [8] E. a. M. National Academies of Sciences, Achieving Science with CubeSats, DC: THE NATIONAL ACADEMIES PRESS, 2016.
- [9] L. Keesey, “NASA,” 7 May 2020. [Online]. Available: <https://www.nasa.gov/feature/goddard/2020/nasa-cubesat-mission-to-gather-vital-space-weather-data>. [Diakses 18 November 2020].

- [10] D. Goh, “SpaceTech,” 8 March 2020. [Online]. Available: <https://www.spacetechasia.com/australia-to-develop-cubesat-for-predicting-bushfires/>. [Diakses 18 November 2020].
- [11] I. F. Akyildiz dan A. Kak, “The Internet of Space Things/CubeSats,” *IEEE Network*, vol. 33, no. 5, pp. 212 - 218, 2019.
- [12] M. K. D. I. R. INDONESIA, “RANCANGAN PERATURAN MENTERI KOMUNIKASI DAN INFORMATIKA REPUBLIK INDONESIA NOMOR TAHUN 2018 TENTANG PERSYARATAN TEKNIS ALAT DAN / ATAU PERANGKAT TELEKOMUNIKASI LOW POWER WIDE AREA,” KOMINFO, 2018.
- [13] T. T. Network, “LoRaWAN Frequency Plans and Regulations by Country.,” [Online]. Available: <https://www.thethingsnetwork.org/docs/lorawan/frequencies-by-country.html>. [Diakses 19 November 2020].
- [14] Semtech, “SX1276-7-8-9 Datasheet,” May 2020. [Online]. Available: https://semtech.my.salesforce.com/sfc/p/#E0000000JelG/a/2R0000001Rbr/6EfVZUorrpoKFfvaF_Fkpgp5kzjiNyiAbqcpqh9qSjE. [Diakses 19 November 2020].
- [15] G. Maral dan M. Bousquet, SATELLITE COMMUNICATIONS SYSTEMS 5th edition, Chichester: John Wiley & Sons Ltd., 2009.
- [16] D. Roddy, Sattelite Communications 4th edition, New York City: McGraw-Hill, 2006.
- [17] N. Ya'acob, J. Johari, M. Zolkapli, A. L. Yusof, S. S. Sarnin dan N. F. Naim, “Link budget calculator system for satellite communication,” dalam *International Conference on Electrical, Electronics and System Engineering (ICEESE)*, Kanazawa, 2017.

- [18] W. Jiang dan P. Zong, “Analysis and validation of a new path loss model for LEO satellite communication systems,” dalam *2nd International Conference on Computer Engineering and Technology*, Chendu, 2010.
- [19] L. J. Ippolito, *Radiowave Propagation in Satellite Communications*, New York: Van Nostrand Reinhold, 1986, p. 46.
- [20] H. Mazar, “RF Engineering and the Link Budget,” dalam *Radio Spectrum Management: Policies, Regulations and Techniques*, John Wiley & Sons, Ltd, 2016, pp. 150 - 228.
- [21] I. J. C. Pérez-Olgún, “High power printed circuit board design for automotive fuse block,” *DYNA*, vol. 84, no. 203, pp. 88-94, 2017.
- [22] IPC, *IPC-2221 Generic Standard on Printed Board Design*.
- [23] Y. Bai, “Introduction to Microcontrollers and This Book,” *Wiley-IEEE Press*, 2016.
- [24] STMicroelectronics, *STM32F103x8, STM32F103xB datasheet*, 2007.
- [25] R. Keim, “Understanding Bypass Capacitors,” All About Circuits, 21 September 2015. [Online]. Available: <https://www.allaboutcircuits.com/technical-articles/clean-power-for-every-ic-part-1-understanding-bypass-capacitors/>. [Diakses 29 April 2021].
- [26] R. Keim, “Understanding Ferrite Beads,” All about circuits, 30 September 2015. [Online]. Available: <https://www.allaboutcircuits.com/technical-articles/clean-power-for-every-ic-part-3-understanding-ferrite-beads/>. [Diakses 29 April 2021].
- [27] R. Keim, “Choosing and Using Ferrite Beads,” All about circuit, 11 Oktober 2015. [Online]. Available: <https://www.allaboutcircuits.com/technical-articles/choosing-and-using-ferrite-beads/>. [Diakses April 30 2021].
- [28] Mini-Circuit, “Monolithic Amplifier MNA-5A+,” Minicircuit, New York.

- [29] AMS, “0.8A Adjustable/Fixed Low Dropout Linear Regulator,” Advance Monolithic System.
- [30] P. D. P. Adi dan A. Kitagawa, “Performance Evaluation of E32 Long Range Radio Frequency 915 MHz based on Internet of Things and Micro Sensors Data,” *International Journal of Advanced Computer Science and Applications*, vol. 10, no. 11, pp. 38-49, 2019.
- [31] T. Wu, D. Qu dan G. Zhang, “Research on LoRa Adaptability in the LEO Satellites Internet of Things,” dalam *IEEE*, Tangier, 2019.