## **DAFTAR PUSTAKA**

- M. A. Ramos, P. Camacho, P. A. Buitrago, R. D. Urda and J. P. Restrepo, "Software Defined Radio, a perspective from education," *Frontiers in Education*, vol. 3, no. 1228610, 2023.
- [2] K. Tapping, "RTLSDR-based, Software Defined Radio Alternative to Switched Radiometers for Continuum Radio Astronomy," *Canadian Centre for Experimental Radio Astronomy*, 2014.
- [3] A. Deokar, R. Sanghai, A. Gadekar and A. Sharma, "A Low Cost Ground Station Setup for Introducing Undergraduate Students to Satellite Reception and Radio Astronomy," in *URSI RCRS*, India, 2022.
- [4] A. Reckziegel, D. Stadler and J. Molina, "Small Radio Telescope for Observing the Neutral Hydrogen Line of the Milky Way," in *Proceedings of the 3rd South American International Industrial Engineeringand Operations Management Conference*, Asuncion, 2022.
- [5] E. Smith, E. White, G. Langston and R. Prestage, "Open Source Radio Telescopes: Astronomy Projects for Students, Teachers, and Amateurs," in *2nd URSI AT-RASC*, Gran Canaria, 2018.
- [6] R. G. Aguilar, A. P. Guerrero, V. Ramos, E. S. Luna and M. L. Benitez, "A Comparative Study of RTL-SDR Dongles from the Perspective of the Final Consumer," in *IEEE International Conference on Consumer Electronics (ICCE)*, Mexico City, 2020.
- [7] D. A. Tzioumis, Handbook on Radio Astronomy Third Edition, Radiocommunication Bureau, 2013.
- [8] J. Bienert, "Radio astronomy with a self-built radio telescope," Sudheide, 2012.
- [9] D. E. Gary, T. S. Bastian, B. Chen, G. D. Fleishman and L. Glesener, "Radio Observations of Solar Flares," *Science with a Next-Generation Very Large Array*, no. 7, pp. 99-100, 2018.
- [10] D. Valerio, "Open Source Software-Defined Radio: A survey on GNUradio and its applications," Forschungszentrum Telekommunikation Wien, Vienna, 2008.
- [11] Y. T. Wu, S. W. Chua and Y. Lu, "Noise floor and dynamic range analysis of a microwave attenuation measurement receiver from 50 MHz to 26.5 GHz," *International Journal of Infrared and Millimeter Waves*, vol. 36, no. 11, p. 5, 2011.
- [12] R. Gomez, "Theoretical Comparison of Direct-Sampling Versus Heterodyne RF Receivers," *IEEE Transactions On Circuits and Systems*, no. 63, pp. 1-6, 2016.

- [13] J. Dong, H. Jiang, L. Zhang, J. Wei, F. Li, C. Zhang and Z. Wang, "A low-power DC offset calibration method independent of IF gain for zero-IF receiver," *Science China Information Sciences*, no. 57, pp. 1-2, 2014.
- [14] R. Shrivastava, N. Pandey, A. Pandey, K. N. Singh, A. K. Shrivastava and K. Tamrakar, "A Review of Fundamental Characteristics of Major Antenna," *IOSR Journal of Applied Physics (IOSR-JAP)*, vol. 6, no. 3, p. 24, 2014.
- [15] F. C. Commission, "Federal Communications Commission Office of Engineering and Technology Policy and Rules Division," Washington DC, 2024.
- [16] J. Cohen, T. Spoelstra, R. Ambrosini and W. van Driel, CRAF Handbook for Radio Astronomy, vol. 3, Committee on Radio Astronomy Frequencies, 2005.
- [17] M. B. Perotoni and K. M. G. dos Santos, "SDR-Based Spectrum Analyzer Based in Open-Source GNU Radio," *Journal of Microwaves, Optoelectronics and Electromagnetic Applications*, vol. 20, p. 10, 2021. http://dx.doi.org/10.1590/2179-10742021v20i31194.
- [18] L. Guofeng and W. Nanjian, "A low power flexible PGA for software defined radio systems," *Journal of Semiconductors*, vol. 33, pp. 1-5, 2012. http://dx.doi.org/10.1088/1674-4926/33/5/055006.
- [19] C. DeMartino, "Microwaves & RF," 24 Maret 2016. [Online]. Available: https://www.mwrf.com/home/whitepaper/21847771/the-differences-between-receivertypes-part-2-pdf-download.
- [20] D. Diamantopoulo, K. Siozios, S. Xydis and D. Soudris, "A Systematic Methodology for Reliability Improvements on," *VLSI Design*, p. 1, 3 April 2012.