

## DAFTAR PUSTAKA

- [1] F. Panduardi and E. S. Haq, "Wireless Smart Home System Menggunakan Raspberry PI Berbasis Android," *J. Teknol. Inf. dan Terap.*, vol. 03, no. 01, pp. 320–325, 2016, [Online]. Available: <https://pdfs.semanticscholar.org/402a/ce8d6629211519bc524830408a5c9c825574.pdf>
- [2] H. Arijuddin, A. Bhawiyuga, and K. Amron, "Pengembangan Sistem Perantara Pengiriman Data Menggunakan Modul Komunikasi LoRa dan Protokol MQTT Pada Wireless Sensor Network," *Pengemb. Teknol. Inf. dan Ilmu Komput.*, vol. 3, no. 2, pp. 1655–1659, 2019.
- [3] M. S. Islam, M. T. Islam, A. F. Almutairi, G. K. Beng, N. Misran, and N. Amin, "Monitoring of the human body signal through the Internet of Things (IoT) based LoRa wireless network system," *Appl. Sci.*, vol. 9, no. 9, 2019, doi: 10.3390/app9091884.
- [4] N. Naik, "LPWAN Technologies for IoT Systems : Choice Between Ultra Narrow Band and Spread Spectrum," 2018.
- [5] B. S. Chaudhari, M. Zennaro, and S. Borkar, "LPWAN technologies: Emerging application characteristics, requirements, and design considerations," *Futur. Internet*, vol. 12, no. 3, 2020, doi: 10.3390/fi12030046.
- [6] A. M. Yousuf, E. M. Rochester, B. Ousat, and M. Ghaderi, "Throughput, Coverage and Scalability of LoRa LPWAN for Internet of Things," *2018 IEEE/ACM 26th Int. Symp. Qual. Serv. IWQoS 2018*, pp. 1–10, 2019, doi: 10.1109/IWQoS.2018.8624157.
- [7] 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 (Switzerland)*, vol. 16, no. 9, pp. 1–18, 2016, doi: 10.3390/s16091466.
- [8] F. Pan, L. Li, and X. Chen, "Decision making using a wavelet neural network based particle swarm optimization in stock transaction," *ICIC Express Lett.*, vol. 6, no. 1, pp. 9–14, 2012.
- [9] A. R. Susanto, A. Bhawiyuga, and K. Amron, "Implementasi Sistem Gateway Discovery pada Wireless Sensor Network (WSN) Berbasis Modul Komunikasi LoRa," *J. Pengemb. Teknol. Inf. dan Ilmu Komput.*, vol. 3, no. 2, pp. 2138–2145, 2019.
- [10] D. A. Muktiawan and N. Nurfiana, "SISTEM MONITORING PENYIMPANAN KEBUTUHAN POKOK BERBASIS INTERNET OF THINGS (IoT)," *Explor. J. Sist. Inf. dan Telemat.*, vol. 9, no. 1, 2018, doi: 10.36448/jsit.v9i1.1035.
- [11] E. Murdyantoro, I. Rosyadi, and H. Septian, "Studi Performansi Jarak Jangkauan Lora- Dragino Sebagai Infrastruktur Konektifitas Nirkabel Pada WP-LAN," *Din. Rekayasa*, vol. 15, no. 1, p. 47, 2019, doi: 10.20884/1.dr.2019.15.1.239.
- [12] A. Lavric and V. Popa, "LoRa™ Wide-Area Networks from an Internet of Things perspective," *Proc. 9th Int. Conf. Electron. Comput. Artif. Intell. ECAI 2017*, vol. 2017-Janua, pp. 1–4, 2017, doi: 10.1109/ECAI.2017.8166397.
- [13] K. Wang, "Application of wireless sensor network based on LoRa in city gas meter reading," *Int. J. Online Eng.*, vol. 13, no. 12, pp. 104–115, 2017, doi: 10.3991/ijoe.v13i12.7887.
- [14] Hope Microelectronics Co., "Datasheet: RFM95/96/97/98(W) v1.0," vol. 98, p. 121, 2014,

- [Online]. Available:  
[http://www.hoperf.com/rf\\_transceiver/lora/RFM95W.html%5Cnhttp://www.hoperf.com/upload/rf/RFM95\\_96\\_97\\_98W.pdf](http://www.hoperf.com/rf_transceiver/lora/RFM95W.html%5Cnhttp://www.hoperf.com/upload/rf/RFM95_96_97_98W.pdf)
- [15] A. C. Purnomo and J. E. Chandra, "Perancangan Prototype Alat Bajak," *Eng. Technol. Int. J.*, vol. 1, no. 1, pp. 77–86, 2019, [Online]. Available:  
<http://download.garuda.ristekdikti.go.id/article.php?article=1123425&val=16852&title=PERANCANGAN PROTOTYPE ALAT BAJAK SAWAH DENGAN PENGONTROLAN BERBASIS ARDUINO>
- [16] M. Z. Haq, M. Putri, and A. Ramadhan, "Implementasi Internet Of Things Dalam Pemantauan Optimal Kerja Panel Surya," vol. 4, no. 2, pp. 152–157, 2022.
- [17] T. Nusa, S. R. U. A. Sompie, and E. M. Rumbayan, "Sistem Monitoring Konsumsi Energi Listrik Secara Real Time Berbasis Mikrokontroler," vol. 4, no. 5, pp. 19–26, 2015.
- [18] P. K. Sahu, E. H. K. Wu, and J. Sahoo, "DuRT: Dual RSSI trend based localization for wireless sensor networks," *IEEE Sens. J.*, vol. 13, no. 8, pp. 3115–3123, 2013, doi: 10.1109/JSEN.2013.2257731.
- [19] I. Iskandar and A. Hidayat, "Analisa Quality of Service (QoS) Jaringan Internet Kampus (Studi Kasus: UIN Suska Riau)," *J. CoreIT*, vol. 1, no. 2, pp. 67–76, 2015.
- [20] Apriadi, A. Zainuddin, and L. A. S. Irfan, "ANALISIS QoS (QUALITY OF SERVICE) JARINGAN INTERNET KAMPUS," vol. 148, pp. 148–162, 2019.
- [21] "About us | Blynk." <https://blynk.io/about> (accessed May 17, 2022).