

DAFTAR PUSTAKA

- [1] D. F. Batubara *et al.*, “Implementasi Teknologi Lora Sebagai Alat Komunikasi Pada Bagan Ikan Terapung Berbasis Web Dashboard Implementation Of Lora Technology As Communication Tool On Web-Based Dashboard For Floating Fish Platform,” vol. 9, no. 3, pp. 1087–1095, 2022.
- [2] P. Krueng, A. Besar, P. Aceh, M. Ikramullah, E. Miswar, and R. M. Aprilla, “Analisis Faktor Yang Mempengaruhi Hasil Tangkapan Bagan,” vol. 3, pp. 136–144, 2018.
- [3] I. Ardyansah, L. N. Hayati, and R. Satra, “Implementasi Lorawan Untuk Membangun Komunikasi Jaringan Nelayan Perikanan Tangkap Menggunakan Konsep Arp Protocol,” *J. Resist. (Rekayasa ...)*, vol. 5, no. 1, pp. 55–64, 2022, [Online]. Available: <https://jurnal.instiki.ac.id/index.php/jurnalresistor/article/view/821%0Ahttps://jurnal.instiki.ac.id/index.php/jurnalresistor/article/download/821/335>
- [4] J. A. Surbakti and W. Sir, “Analisis Komposisi Hasil Tangkapan Bagan Perahu dan Tancap di Perairan Teluk Kupang,” vol. 10, no. 1, pp. 117–122, 2021.
- [5] U. Hasbi, R. S Akram, and Zulkifli Y. H. *Rancang Bangun Alat Ukur Kecepatan Arus Laut dan Arah Arus*. STMKG Jakarta, vol. 8, no. 1, pp. 107–119, 2020.
- [6] B. Supriadi, R. Clarita, Yudhi, Ocsirendi, “Prosiding Seminar Nasional Monitoring Aliran Arus Pasang Surut Air Laut,” vol. 23, no. 1, pp. 37 - 48, 2021.
- [7] H. Simanjuntak dan Tamaiji, “Desain dan pembuatan alat pendeteksi ketinggian air sungai berbasis arduino uno,” Univ. widiyan kartika, pp. 1–6, 2020.
- [8] A. Amrullah, “Perbandingan Tingkat Akurasi Pengukuran Ketinggian Air pada Sensor Hc-SR04, HY-SRF05 dan JSN-SR04T”, vol. 7, no. 1, pp. 1–5, 2022.
- [9] B. Supriadi and R. Clarita, “Monitoring Aliran Arus Pasang Surut Air Laut Berbasis Arduino” Politeknik Manufaktur Negeri Bangka Belitung Politeknik

Manufaktur Negri Bangka Belitung, pp20–49, 2020.

- [10] R. A. Pratama, U. A. Ahmad, and ..., “Sistem Pemantauan Komunikasi Lora Pada Bagan Ikan Terapung Dengan Menggunakan Aplikasi Android,” *eProceedings ...*, vol. 9, no. 3, pp. 1274–1285, 2022, [Online]. Available: <https://openlibrarypublications.telkomuniversity.ac.id/index.php/engineering/article/view/18156%0Ahttps://openlibrarypublications.telkomuniversity.ac.id/index.php/engineering/article/view/18156/17785>
- [11] M. Yakob, N. Sagita, and R. A. Putra, “Rancang bangun alat pendeteksi ketinggian permukaan air berbasis mikrokontroler arduino uno,” *Jurnal Ilmiah JUTERA*, Vol.06 No.1, Juli 2019.
- [12] I. Irawati, F. Y. Roi, T. Y. Agung, and M. Lutfi, “Alat Pelacak Berbasis Long Range Wide Area Network (Lorawan),” *Jeis J. Elektro Dan Inform. Swadharma*, vol. 2, no. 2, pp. 44–48, 2022, doi: 10.56486/jeis.vol2no2.222.
- [13] I. M. Apriliani, I. Riyantini, E. Rochima, and M. F. Ikmal, “Laju Tangkap dan Hasil Tangkapan Bagan Apung pada Jarak Penempatan Berbeda di Perairan Teluk Palabuhanratu , Sukabumi , Indonesia (Catch Rate and Fish Catch of Boat Lift Net on Different Position in Palabuhanratu Bay Water , Sukabumi , Indonesia) Labora,” vol. 8, pp. 88–95, 2018.
- [14] R. I. Lestari, V. Suryani, and A. A. Wardana, “Implementasi Pengamanan Pada Jaringan LoRaWAN Untuk Mengatasi Serangan Sniffing Dengan Menggunakan Metode Digital Signature,” *eProceedings ...*, vol. 7, no. 2, pp. 7983–7994, 2020, [Online]. Available: <https://openlibrarypublications.telkomuniversity.ac.id/index.php/engineering/article/view/13079>
- [15] F. Muhammad, A. Bhawiyuga, and D. P. Kartikasari, “Analisis Kinerja Protokol LoRaWAN untuk Transmisi Data pada Skenario Urban Area,” *Pengemb. Teknol. Inf. dan Ilmu Komput.*, vol. 3, no. 9, pp. 9054–9060, 2019.
- [16] ikhsan fauzi, “Sistem pemantauan Kadar Gas pada Tambang Batubara Berbasis IoT Menggunakan Teknologi Komunikasi LoRa” *J. Tek. Its*, vol. 09, no. 1, pp. 81–86, 2020.
- [17] B. W. Aji and H. Nurwasito, “Implementasi Sistem Monitoring Sungai berbasis LoRa-MQTT Gateway,” vol. 7, no. 4, pp. 1689–1698, 2023.

- [18] Tektelic Communication, “Server Jaringan LoRaWAN,” *Tektelic Communication*. <https://tektelic.com/expertise/lorawan-network-server-explained/> (accessed Jun. 25, 2023).
- [19] I. Fahrudi *et al.*, “Pengujian Komunikasi Perangkat Lora untuk Pengiriman Data Detak Jantung Menggunakan Topologi Point to Point Berbasis LoraWAN,” *J. Integr.*, vol. 15, no. 2, pp. 122–126, 2023, doi: 10.30871/ji.v15i2.6296.
- [20] R. Suta Adji and H. Nurwasito, “Pengembangan Sistem Pengiriman Data menggunakan LoRa Multipoint menggunakan Simple LoRa Protokol sebagai Kontrol Kebakaran Kandang Ayam,” *J. Pengemb. Teknol. Inf. dan Ilmu ...*, vol. 6, no. 4, pp. 2548–964, 2022, [Online]. Available: <http://j-ptiik.ub.ac.id>
- [21] L. Singal and Y. D. Y. Rindengan, “Comparative Analysis of Google Maps Coordinates Points and Professional GPS Tools in Manado City,” vol. 16, no. 2, pp. 157–164, 2021.
- [22] T. Suryana, “Antarmuka Ublox Neo-6m Gps Module Dengan Nodemcu Esp8266,” *J. Komputa Unikom*, pp. 1–18, 2021, [Online]. Available: [https://repository.unikom.ac.id/68725/%0Ahttps://repository.unikom.ac.id/68725/1/Antarmuka ublox NEO-6M GPS Module dengan NodeMCU ESP8266.pdf](https://repository.unikom.ac.id/68725/%0Ahttps://repository.unikom.ac.id/68725/1/Antarmuka%20ublox%20NEO-6M%20GPS%20Module%20dengan%20NodeMCU%20ESP8266.pdf)
- [23] H. Kusumah and R. A. Pradana, “Penerapan Trainer Interfacing Mikrokontroler Dan Internet of Things Berbasis Esp32 Pada Mata Kuliah Interfacing,” *J. CERITA*, vol. 5, no. 2, pp. 120–134, 2019, doi: 10.33050/cerita.v5i2.237.
- [24] A. A. Faradila Purnama and M. Imam Nashiruddin, “Designing LoRaWAN Internet of Things Network for Advanced Metering Infrastructure (AMI) in Surabaya and Its Surrounding Cities,” pp. 194–199, 2020.
- [25] A. LoRa, “LoRaWAN Specification Developments,” *LoRa Alliance*, 2020. [https://www.lora-alliance.org/portals/0/specs/LoRaWAN Specification 1R0.pdf](https://www.lora-alliance.org/portals/0/specs/LoRaWAN%20Specification%201R0.pdf) (accessed Feb. 18, 2024).
- [26] lora-alliance.org, “What Is Lorawan® Specification,” *lora-alliance.org*, 2021. <https://lora-alliance.org/About-Lorawan/> (accessed Apr. 13, 2024).
- [27] B. Eric, “LoRa Documentation,” p. 31, 2019, [Online]. Available:

<https://buildmedia.readthedocs.org/media/pdf/lora/latest/lora.pdf>

- [28] T. I. M. Pengusul and J. K. Penelitian, “UNGGULAN INSTITUSI IT-PLN Analisa Rugi-Rugi Saluran Transmisi (Link Budget Analysis) LoRa pada Gedung Bertingkat,” 2021.
- [29] A. S. Ayuningtyas, “Analisis Perencanaan Jaringan Lora (Long Range) Di Kota Surabaya,” Telkom University Surabaya, 2020. [Online]. Available: <https://repository.telkomuniversity.ac.id/pustaka/162530/analisis-perencanaan-jaringan-lora-long-range-di-kota-surabaya.html>
- [30] P. Devi Dama Istianti, N. Bogi Aditya Karna, and I. Ali Nur Safa, “Perancangan Dan Implementasi Device Tentang Teknologi Akses Lpwan Lora Untuk Monitoring Air Sungai Citarum Device Design and Implementation About Lpwan Lora Access Technology for Citarum River Water Monitoring,” *e-Proceeding Eng.*, vol. 6, no. 2, pp. 4471–4478, 2019.
- [31] Y. Alfannizar, Ibnu Rahayu, “Perancangan Dan Pembuatan Alat Home Electricity Based Home Appliance Controller Berbasis Internet of Things,” *Jom FTEKNIK*, vol. 5, no. 1, pp. 1–6, 2018, [Online]. Available: <https://www.neliti.com/publications/201384/>
- [32] R. K. Moore, “Radio communication in thesea,” *IEEE Spectr.*, vol. 4, no. 11, pp. 42–51, 2020, doi: 10.1109/MSPEC.1967.5217169.
- [33] H. I. Ramadhan¹, A. Bachri², and Z. Abidin³, “Rancang Bangun Alat Pengaman Kendaraan Menggunakan GPS Berbasis IoT NodeMCU IoT Microcontroller GPS tracker Blynk,” *JASEE J. Appl. Sci. Electr. Eng.*, vol. 2, no. 1, pp. 64–69, 2020.