

REFERENSI

- [1] Badan Pusat Statistik, “Konsumsi Listrik per Kapita,” 2020. [Online]. Available: https://www.bps.go.id/indikator/indikator/view_data/0000/data/1156/sdgs_7/3. [Diakses 19 November 2021].
- [2] Badan Pusat Statistik, “Listrik Yang Didistribusikan Kepada Pelanggan (GWh), 2019-2021,” [Online]. Available: <https://www.bps.go.id/indikator/7/314/1/listrik-yang-didistribusikan-kepada-pelanggan.html>. [Diakses 10 November 2022].
- [3] S. Sohaib, I. Sarwar, M. H. Iftikhar dan A. Mahmood, “Low Cost Smart Energy Monitoring and Control System for Smart Buildings,” dalam *5th IET International Conference on Renewable Power Generation (RPG) 2016*, London, 2016.
- [4] F. Gruffaz, “Guide to using the IEC 61557-12 standard to simplify the setup of an energy measurement plan,” Schneider Electric, 2021.
- [5] KEMENTERIAN KOMUNIKASI DAN INFORMATIKA , *PERATURAN MENTERI KOMUNIKASI DAN INFORMATIKA NOMOR 1 TAHUN 2019*, KEMENTERIAN KOMUNIKASI DAN INFORMATIKA , 2019.
- [6] Batong, Ayub Repa, Murdiyat, Prihadi dan Kurniawan, Abdul Hamid, “Analisis Kelayakan LoRa Untuk Jaringan Komunikasi Sistem Monitoring Listrik Di Politeknik Negeri Samarinda,” dalam *Poligrid*, Samarinda, 2020.
- [7] Semtech, “LoRa and LoRaWAN: Technical overview,” Semtech, [Online]. Available: <https://loro-developers.semtech.com/library/tech-papers-and-guides/loro-and-lorawan/>. [Diakses 21 November 2021].
- [8] Andrei, Oltean, Ungureanu, Stefan, Miron, Anca dan Cziker, Andrei C., “IoT power monitoring device using Wi-fi and Arduino,” dalam *Proceedings of 2021 9th International Conference on Modern Power Systems, MPS 2021*, 2021.
- [9] Open Energy Monitor, “Learn | Measuring AC Voltage with an AC to AC power adapter,” Open Energy Monitor, [Online]. Available: <https://learn.openenergymonitor.org/electricity-monitoring/voltage-sensing/measuring-voltage-with-an-acac-power-adapter>. [Diakses 20 November 2021].
- [10] I. Dinata dan W. Sunanda, “IMPLEMENTASI WIRELESS MONITORING ENERGI LISTRIK BERBASIS WEB DATABASE,” 2015.
- [11] Kon, Seitaro dan Yamada, Tatsuji, “Effect of current heating on accurate measurements of AC shunt resistors,” dalam *ICEP-IAAC 2015 - 2015 International Conference on Electronic Packaging and iMAPS All Asia Conference, (2015)*, 144-148, 2015.
- [12] Xu, Chen, Liu, Ji Gou, Zhang, Quan dan Yang, Yongcai, “Investigation of the thermal drift of open-loop Hall effect current sensor and its improvement,” dalam *2015 IEEE International Workshop on Applied Measurements for Power Systems, AMPS 2015*, 2015.
- [13] LoRa™ Alliance, “LoRaWAN 1.0.3 Specification,” Juli 2018. [Online]. Available: <https://resources.lora-alliance.org/getting-started-with-lorawan/lorawan-specification-v1-0-3>. [Diakses 25 November 2022].
- [14] Joshi, Sanjeev dan Dr. Kiran V, “Design and Development of Power Monitoring System using IoT Technology,” dalam *International Journal of Advanced Science and Technology*, 2020.



UNIVERSITAS
GADJAH MADA

Perancangan Perangkat Monitoring Konsumsi Energi Listrik Berbasis Iot Menggunakan WiFi Dan LoRa

Rahardian Agung Krisna Mukti, Dr. I Wayan Mustika, S.T., M.Eng. ; Ir. Agus Bejo, S.T., M.Eng., D.Eng., IPM.

Universitas Gadjah Mada, 2023 | Diunduh dari <http://etd.repository.ugm.ac.id/>

- [15] Perlengkapan Meter Listrik (A.B) - Persyaratan Khusus, Bagian 21: Meter Statik untuk Energi Aktif (kelas 1 dan 2), SNI 62053-21:2011, 2011.
- [16] Shenzhen Heliwei Technology Co., Ltd., “HLW8012 Datasheet,” [Online]. Available: <https://datasheetspdf.com/pdf-file/1157559/HLW/HLW8012/1>. [Diakses 19 April 2021].
- [17] M. B.L., “The Things Network device library for ESP32 (ESP-IDF) and SX127x based devices | GitHub Repository,” 2020. [Online]. Available: <https://github.com/manuelbl/ttn-esp32>. [Diakses 14 Desember 2021].
- [18] LoRa Alliance, “RP002-1.0.1 LoRaWAN® Regional Parameters,” 2020. [Online]. Available: <https://resources.lora-alliance.org/document/rp2-1-0-2-lorawan-regional-parameters>. [Diakses 21 Mei 2022].