

DAFTAR PUSTAKA

- [1] Badan Pusat Statistik. (2023) Konsumsi Listrik per Kapita. [Online]. Available: <https://www.bps.go.id/id/statistics-table/2/MTE1NiMy/konsumsi-listrik-per-kapita.html>
- [2] K. Pasaribu, “Analisis Pengaruh Harga Minyak Mentah Dunia, PDB per Kapita, Subsidi Energi Listrik, dan Jumlah Penduduk Terhadap Konsumsi Energi Listrik di Indonesia Tahun 2000 - 2021,” 2023.
- [3] M. Maddi, “Balancing Acts: Unveiling Socio-economic and Environmental Dimensions of Waste-to-energy Policies in Indonesia,” *Dialogue: Jurnal Ilmu Administrasi Publik*, vol. 6, pp. 2685–3582, 2024.
- [4] O. A. Yola, “Studi Perilaku Konsumsi Listrik di Universitas Andalas,” 2020.
- [5] A. A. Pradana, P. Yuliantoro, and S. Indriyanto, “Perancangan Sistem Monitoring Daya Listrik 1 Fasa pada Rumah Tangga Berbasis Internet of Things,” *Jurnal SINTA: Sistem Informasi dan Teknologi Komputasi*, vol. 1, pp. 1–9, 1 2024.
- [6] R. Munadi, S. Sumaryo, and D. Perdana, “Design and Implementation of a New Monitoring System for Electrical Energy Consumption with Smart Metering Based on Internet of Things (IoT),” *International journal of simulation: systems, science & technology*, 4 2019.
- [7] M. Rasyid, “Pengembangan Firmware Sistem Monitoring Konsumsi Listrik Menggunakan IC Renergy 8209 pada Platform ESP32,” 2023.
- [8] M. G. A. Bintang and H. Winarno, “Pembuatan KWh Meter Digital 1 Fasa Berbasis Arduino Mega 2560,” 2017.
- [9] *STPM32, STPM33, STPM34 Datasheet*.
- [10] GeeksforGeeks, “Difference between Firmware and Operating System,” <https://www.geeksforgeeks.org/difference-between-firmware-and-operating-system/>, 2021.
- [11] Spiceworks, “What is Firmware? Definition, Architecture, and Best Practices,” <https://www.spiceworks.com/tech/devops/articles/what-is-firmware/>, 2022.
- [12] G. Stringham, *Hardware/firmware Interface Design: Best Practices for Improving Embedded Systems Development*, illustrated ed. Oxford, UK: Newnes, 2010.
- [13] M. Usach, “AN-1248 Application Note: SPI Interface,” *Analog Devices, Inc.*, 2015.
- [14] P. Dhaker, “Introduction to SPI Interface,” September 2018. [Online]. Available: <https://www.analog.com/en/resources/analog-dialogue/articles/introduction-to-spi-interface.html>
- [15] Hasaputra Mandiri, “KWH Meter 1 Phase & 3 Phase,” <https://www.hasaputramandiri.com/kwh.htm>.
- [16] R. H. Wirasasmita, D. Prihatmoko, and M. Supriyadi, “Sistem Monitoring Pemakaian Daya Listrik pada Kwh Meter Menggunakan Arduino dan SMS Gateway,” *Jurnal DISPROTEK*, vol. 13, pp. 65–73, 1 2022.



- [17] R. Gunther, “Electromechanical Energy Meters: Understanding Their Limitations,” <https://clouglobal.com/electromechanical-energy-meters-understanding-their-limitations/>, 2023.
- [18] E. Erwin, A. Datya, N. Nurohim, S. Sepriano, W. Waryono, I. Adhicandra, E. Budihartono, N. Purnawati, and E. Efitra, *PENGANTAR & PENERAPAN INTERNET OF THINGS : Konsep Dasar & Penerapan IoT di berbagai Sektor*. PT. Sonpedia Publishing Indonesia, 2023. [Online]. Available: https://books.google.co.id/books?id=93_QEAAAQBAJ
- [19] PT PLN (Persero), “Meteran Listrik AMI, Cara Baru PLN Manjakan Pelanggan,” <https://web.pln.co.id/media/siaran-pers/2023/06/meteran-listrik-ami-cara-baru-pln-manjakan-pelanggan>, 2023.
- [20] C. K. Alexander and M. N. O. Sadiku, *Fundamentals of Electric Circuits*, 6th ed. McGraw-Hill Education, 2017.
- [21] T. A. Shifat, R. Yasmin, and J.-W. Hur, “A Data Driven RUL Estimation Framework of Electric Motor Using Deep Electrical Feature Learning from Current Harmonics and Apparent Power,” *Energies*, vol. 14, p. 3156, 05 2021.
- [22] *INTERNATIONAL STANDARD NORME INTERNATIONALE Electricity Metering Equipment-Particular Requirements-Part 21: Static Meters for AC Active Energy (Classes 0,5, 1 and 2)*, 2020. [Online]. Available: www.iec.ch
- [23] Departemen Perdagangan Republik Indonesia, “Surat Keputusan Direktur Jenderal Perdagangan Dalam Negeri Nomor 24/PDN/KEP/3/2010 tentang Syarat Teknis Meter kWh,” 2010.
- [24] International Organization of Legal Metrology (OIML), “Active Electrical Energy Meters. Part 1: Metrological and Technical Requirements Part 2: Metrological Controls and Performance Tests,” <https://www.oiml.org>, 2012, oIML R 46-1/-2, edition 2012.
- [25] Departemen Perdagangan Republik Indonesia, “Peraturan Menteri Perdagangan Republik Indonesia Nomor 26 Tahun 2021 tentang Penetapan Standar Kegiatan Usaha dan Produk pada Penyelenggaraan Perizinan Berusaha Berbasis Risiko Sektor Perdagangan,” 2021.
- [26] Ozami Inti Sinergi, “Mengenal ESP32 Mikrokontroler IoT,” <https://ozami.co.id/mengenal-esp32-mikrokontroler-iot/>, 2024.
- [27] Random Nerd Tutorials, “ESP32 Pinout Reference : Which GPIO Pins Should You Use?” <https://randomnerdtutorials.com/esp32-pinout-reference-gpios/>, 2018.
- [28] *ESP32 Technical Reference Manual Version 5.2*.
- [29] Espressif Systems, “Getting started with Arduino ESP32,” https://docs.espressif.com/projects/arduino-esp32/en/latest/getting_started.html, 2024.
- [30] M. Wicaksono, *Mudah Belajar Mikrokontroler Arduino*. Informatika, 2017. [Online]. Available: <https://books.google.co.id/books?id=p-PbzwEACAAJ>



- [31] *UM10748 User Manual: EVALSTPM34, EVALSTPM33, EVALSTPM32 Evaluation Board.*
- [32] *UM1719 User Manual : The STPM3x Evaluation Software.*
- [33] *UM2066 User Manual: Getting Started with the STPM3x.*
- [34] Xukyo. (2021) Using the EEPROM with the ESP32. [Online]. Available: <https://www.aranacorp.com/en/using-the-EEPROM-with-the-esp32/>
- [35] A. Guimarães, T. Freitas, H. Griner, and T. Almeida, "Smart Energy Monitoring System with ADE7758 IC," in *Proceedings, 2015 5th International Youth Conference on Energy : 27th - 30th May, 2015, Pisa, Italy*. IEEE, 2015.