

DAFTAR PUSTAKA

- [1] “Masih Rendah, Konsumsi Listrik Indonesia Terus Ditingkatkan - Kompas.id.” Accessed: Jan. 25, 2024. [Online]. Available: <https://www.kompas.id/baca/ekonomi/2022/11/25/masih-rendah-konsumsi-listrik-di-indonesia-terus-ditingkatkan>
- [2] N. U. A. Andi Wahyu Hariyanto, “Rancang Bangun Speed Bump sebagai Penghasil Energi Listrik 1,” 2020.
- [3] N. Alamsyah, H. F. Rahmani, and Yeni, “Lampu Otomatis Menggunakan Sensor Cahaya Berbasis Arduino Uno dengan Alat Sensor LDR,” *Formosa Journal of Applied Sciences*, vol. 1, no. 5, pp. 703–712, Oct. 2022, doi: 10.55927/fjas.v1i5.1444.
- [4] A. Setiawan, J. Maulindar, and Nurchim, “PERANCANGAN SISTEM KENDALI OTOMATIS LAMPU JALAN BERBASIS INTERNET OF THINGS,” *INFOTECH journal*, vol. 9, no. 1, pp. 243–251, Jun. 2023, doi: 10.31949/INFOTECH.V9I1.5502.
- [5] A. Rifatul, “Gerak Benda Dan Konsep Energi Mekanik,” *Universitas Muhammadiyah Sidoarjo*, 2018.
- [6] Dalimunthe Ruri Ashari, “PEMANTAU ARUS LISTRIK BERBASIS ALARM DENGAN SENSOR ARUS MENGGUNAKAN MIKROKONTROLLER ARDUINO UNO,” *Seminar Nasional Royal (SENAR)*, pp. 333–338, Sep. 2018.
- [7] B. G. Melipurbowo, “PENGUKURAN DAYA LISTRIK REAL TIME DENGAN MENGGUNAKAN SENSOR ARUS ACS.712,” *ORBITH*, vol. 12, pp. 17–23, Mar. 2016.
- [8] “Pengertian Daya Listrik dan Rumus Menghitung Daya Listrik.” Accessed: Jan. 25, 2024. [Online]. Available: <https://teknikelektronika.com/pengertian-daya-listrik-rumus-cara-menghitung/>
- [9] “Apa beda Ampere (A) dan Ampere Hour (Ah)?” Accessed: Jan. 25, 2024. [Online]. Available: <https://www.chippiko.com/ampere-dan-ampere-hour>
- [10] “Apa Itu Speed Bump? Pembatas Kecepatan yang Menuai Pro Kontra.” Accessed: Jan. 25, 2024. [Online]. Available: <https://www.suara.com/news/2022/08/28/063000/apa-itu-speed-bump-pembatas-kecepatan-yang-menuai-pro-kontra>
- [11] “Smart speed bumps flatten for vehicles driving within speed limits - Sustainable Avenue.” Accessed: Jan. 25, 2024. [Online]. Available: <https://sustainableavenue.com/project/smart-speed-bumps-flatten-for-vehicles-driving-within-speed-limits/>

- [12] W. A. , A. S. A. Suteja, "Analisis Sensor Arus Invasive ACS712 dan Sensor Arus Non Invasive SCT013 Berbasis Arduino.," *Jurnal Ilmiah Teknik Elektro Politeknik Nasional Denpasar*, vol. 8, 2021.
- [13] Matan, "Generator Arus Bolak-Balik (AC) | Prinsip dan Aplikasi." Accessed: Jan. 22, 2026. [Online]. Available: <https://www.electricity-magnetism.org/id/generator-arus-bolak-balik-ac-prinsip-dan-aplikasi/>
- [14] Maninder Singh, "Chapter 13 Class 10 - Magnetic Effects of Electric Current." Accessed: Jan. 22, 2026. [Online]. Available: <https://www.teachoo.com/10705/3113/Electric-Generator/category/Concepts/>
- [15] J. Kajian and T. Elektro, "LAMPU LED SEBAGAI PILIHAN YANG LEBIH EFISIEN UNTUK LAMPU UTAMA SEPEDA MOTOR," vol. 6, no. 1, 2021.
- [16] "LED A60 - Caribbean LED Lighting." Accessed: Jan. 25, 2024. [Online]. Available: <https://caribbeanledlighting.com/shop/bulbs/filament-bulbs/led-a60/>
- [17] R. Irawan, "ANALISIS SISTEM KERJA INTERLOCK PADA RELAY DENGAN MENGGUNAKAN TEGANGAN DIRECT CURRENT (DC) SEBAGAI PENGAMAN RUMAH TINGGAL," 2023.
- [18] "5V Single-Channel Relay Module - Pin Diagram, Specifications, Applications, Working." Accessed: Jan. 25, 2024. [Online]. Available: <https://components101.com/switches/5v-single-channel-relay-module-pinout-features-applications-working-datasheet>
- [19] "Menghindari Pencuri di Rumah Menggunakan Lampu Sensor Cahaya." Accessed: Jan. 25, 2024. [Online]. Available: <https://www.s-gala.com/blog-post/lampu-sensor-cahaya>
- [20] R. A. A. H. A. Syamsul1, "PERANCANGAN SISTEM KONTROL OTOMATIS LAMPU BERBASIS RELAY TIMER DENGAN SUMBER AKI (SOLAR CELL)," vol. 14, no. 2, Aug. 2022.
- [21] "Apa Itu Aki? Pengertian, Cara Kerja, dan Jenis." Accessed: Jan. 25, 2024. [Online]. Available: <https://carakami.com/apa-itu-aki-pengertian-cara-kerja-dan-jenis/>
- [22] "Jual Aki Sepeda Motor Terbaik > Harga Terbaru | Ruparupa." Accessed: Jan. 25, 2024. [Online]. Available: <https://www.ruparupa.com/c/otomotif/suku-cadang-pengganti/aki-dan-aksesoris/aki-sepeda-motor.html>
- [23] "Sistem Pengisian (Charging System) - Kita Punya." Accessed: Jan. 25, 2024. [Online]. Available: <https://www.kitapunya.net/sistem-pengisian-charging-syste/>
- [24] "XY-L10A: модуль контролю зарядки аккумуляторных батарей 6-60В 10А (ID#1064006071), цена: 259.99 ₺, купить на Prom.ua." Accessed: Jan. 25, 2024. [Online]. Available: <https://prom.ua/ua/p1064006071-110a-modul-kontrolya.html>
- [25] "Pengertian Arduino Ide: Definisi dan Penjelasan Lengkap - Geograf." Accessed: Jan. 25, 2024. [Online]. Available: <https://geograf.id/jelaskan/pengertian-arduino-ide/>

- [26] "ARDUINO UNO: Arduino Uno, Rev. 3, ATmega328, USB at reichelt elektronik." Accessed: Jan. 25, 2024. [Online]. Available: <https://www.reichelt.com/de/en/arduino-uno-rev-3-atmega328-usb-arduino-uno-p119045.html>
- [27] "Pengertian LCD (Liquid Crystal Display) dan Prinsip Kerjanya." Accessed: Jan. 25, 2024. [Online]. Available: <https://teknikelektronika.com/pengertian-lcd-liquid-crystal-display-prinsip-kerja-lcd/>
- [28] "16x2 LCD Display for interfacing with Arduino,JHD162A Working Command,Pinout." Accessed: Jan. 25, 2024. [Online]. Available: <https://www.mytechnocare.com/product/16x2-lcd-display-arduino/>
- [29] R. R. dan I. F. E. Efrianto, "Sistem Pengaman Motor Menggunakan Smartcard Politeknik Negeri Batam," *JURNAL INTEGRASI*, vol. 8, 2016.
- [30] "Uhppote - 75db Mechanical Buzzer Sounder With Leads 12vdc Continuous Beep For Access Control And Buzz-in Systems (pack Of 20) Camera & Photo." Accessed: Jan. 25, 2024. [Online]. Available: <https://uhppote.com/product-75db-mechanical-buzzer-sounder-with-leads-12vdc-continuous-b-id-148.html>
- [31] Engr. Shahzada Fahad, "Electronic Clinic, 'Lead Acid Battery Construction, Working and Charging,' Electronic Clinic, 2021." Accessed: Jan. 22, 2026. [Online]. Available: <https://www.electronicclinic.com/lead-acid-battery-construction-and-working-and-charging/>
- [32] Ani Wahyuni, "Honda Beat 2017: Spesifikasi, Kelebihan, Kekurangan, dan Harga." Accessed: Jan. 22, 2026. [Online]. Available: <https://hondamania.org/honda-beat-2017-spesifikasi-kelebihan-kekurangan-dan-harga/>
- [33] Wanda, "Honda BeAT Street." Accessed: Jan. 22, 2026. [Online]. Available: <https://www.wahanahonda.com/produk/honda-beat-street>
- [34] admin-2, "Segini Berat Vario 125: Fakta Bobot Motor yang Wajib Kamu Tahu." Accessed: Jan. 22, 2026. [Online]. Available: <https://otoriders.com/segini-berat-vario-125-fakta-bobot-motor/>
- [35] Budi Santoso, "Honda Beat 2020: Spesifikasi, Fitur, dan Performa Lengkap." Accessed: Jan. 22, 2026. [Online]. Available: <https://hondamania.org/honda-beat-2020-spesifikasi-fitur-dan-performa-lengkap/>
- [36] "Spesifikasi Honda Scoopy." Accessed: Jan. 22, 2026. [Online]. Available: <https://www.oto.com/motor-baru/honda/scoopy-esp/spesifikasi>
- [37] Tom Farrell, "Berat Motor Vario 110." Accessed: Jan. 22, 2026. [Online]. Available: <https://www.variorider.com/vario-110/berapa-berat-motor-vario-110>
- [38] S. E. Irvan, "Berat GenioVerapa Kg? Ternyata Motor Ini Lumayan Ringan!" Accessed: Jan. 24, 2026. [Online]. Available: <https://www.satupiston.com/2023/07/berat-genio-berapa-kg-ternyata-motor.html>