

## DAFTAR PUSTAKA

- [1] R. Wahyu Hidayat, I. Husnaini, and J. Hamka Air Tawar, “Perancangan Sistem Kontrol dan Monitoring Lampu Penerangan Tenaga Surya Menggunakan Aplikasi CAYENNE Berbasis IoT,” vol. 2, no. 2, 2021.
- [2] N. B. Alnavis, R. R. Wirawan, K. I. Solihah, and V. H. Nugroho, “Energi listrik berkelanjutan: Potensi dan tantangan penyediaan energi listrik di Indonesia,” *Journal of Innovation Materials, Energy, and Sustainable Engineering*, vol. 1, no. 2, Jan. 2024, doi: 10.61511/jimese.v1i2.2024.544.
- [3] B. B. Rarumangkay, V. C. Poekoel, and S. R. U. A. Sompie, “Solar Panel Monitoring System Sistem Monitoring Panel Surya,” *Jurnal Teknik Informatika*, vol. 16, no. 2, pp. 211–218.
- [4] Rudini, Edvin Priatna, and Ifkar Usrah, “Analisis Pencahayaan Penerangan Jalan Umum di Jalan Tol Kabupaten Pangandaran dan Peluang Hemat Energi,” *Journal Of Energy and Electrical Engineering*, vol. 03, pp. 8–18, Oct. 2021.
- [5] Tony Alamsyah, Ayong Hiendro, and Zainal Abidin, “Analisis Potensi Energi Matahari Sebagai Pembangkit Listrik Tenaga Surya Menggunakan Panel ono-Crystalline dan Poly-Cristalline Di Kota Pontianak dan Sekitarnya,” Jul. 2021.
- [6] F. Hidayat, B. Winardi, and A. Nugroho, “ANALISIS EKONOMI PERENCANAAN PEMBANGKIT LISTRIK TENAGA SURYA (PLTS) DI DEPARTEMEN TEKNIK ELEKTRO UNIVERSITAS DIPONEGORO.”
- [7] R. M. Pasaribu and Z. Tharo, “MEKANISME PERENCANAAN PLTS OFF-GRID UNTUK DAYA 1300VA PADA RUMAH TINGGAL,” vol. 18, pp. 52–58, 2023.
- [8] Anindya Ayu Larassaty, Arya Bandoro, and Iim Fatimah, “Hukum Ohm dan Hukum Kirchoff,” *Jurnal Sains Dan Seni ITS*, vol. 4, pp. 1–4, 2015.
- [9] ROHM semiconductor, “Datasheet BH1750FVI,” no. 11046, p. 21, 2011, [Online]. Available: [www.rohm.com](http://www.rohm.com)
- [10] S. Muryani and Sumariyah, “Aplikasi Modul Sensor Cahaya GY-302 BH1750 dan Sensor Jarak Ultrasonik HC-SR04 Pada Eksperimen Fotometer Berbasis Mikrokontroller Arduino Uno,” *Berkala Fisika*, vol. 23, no. 4, pp. 143–150, 2020.

- [11] W. Hartati, P. Magister Pengajaran Fisika Fakultas Matematika dan Ilmu Pengetahuan Alam, I. Jl Ganesha no, Mt. Pasir Bungur Jl Leuwidmar Km, and C. Lebak, “Pengembangan Model Pengukuran Intensitas Cahaya dalam Fotometri,” *Ktrl.Inst (J.Auto.Ctrl.Inst)*, vol. 2, no. 2, p. 2010.
- [12] F. R. Utami, A. Riyadi, and Y. Christyono, “PERANCANGAN CATU DAYA ARUS SEARAH KELUARAN GANDA SEBAGAI PENGERAK ROBOT LENGAN ARTIKULASI,” 2020. [Online]. Available: <https://ejournal3.undip.ac.id/index.php/transient>
- [13] *Proceedings of the International Conference on Trends in Electronics and Informatics (ICOEI 2019) : 23-25, April 2019*. [IEEE], 2019.
- [14] Akbar Abadi, Riza Widya, and Julsam, “Rancang Bangun Pemutus Tegangan Pada Kwh Meter Pelanggan PLN,” *Jurnal Andalas : Rekayasa dan Penerapan Teknologi*, vol. 1, Jun. 2020.
- [15] A. B. Setiawan, “Implementasi Sinkronisasi Waktu dengan Network Time Protocol untuk Pemantauan Keamanan Aktivitas Jaringan Telekomunikasi,” *Jurnal Penelitian Pos dan Informatika*, vol. 5, no. 2, p. 175, Mar. 2017, doi: 10.17933/jppi.2015.0502004.
- [16] Universitas Prima Indonesia. Fakultas Teknologi & Ilmu Komputer, Institute of Electrical and Electronics Engineers. Indonesia Section. CSS/RAS Joint Chapter, and Institute of Electrical and Electronics Engineers, “MECnIT 2020: International Conference on Mechanical, Electronics, Computer, and Industrial Technology : June 25-26, 2020, Universitas Prima Indonesia, Medan, Indonesia,” pp. 30–35, 2020.
- [17] Rudy Hartono and Agus purnomo, *Wireless Network*. 2011.
- [18] Di. E. Bolanakis, “A Survey of Research in Microcontroller Education,” May 01, 2019, *Education Society of IEEE (Spanish Chapter)*. doi: 10.1109/RITA.2019.2922856.
- [19] N. Daimiwal, M. Sundhararajan, and R. Shriram, “Comparative analysis of LDR and OPT 101 detectors in reflectance type PPG sensor,” *International Conference on Communication and Signal Processing, ICCSP 2014 - Proceedings*, pp. 1078–1081, 2014, doi: 10.1109/ICCSP.2014.6950013.
- [20] D. Berndt, “VRLA batteries, advances and limitations,” *J Power Sources*, vol. 154, no. 2, pp. 509–517, 2006, doi: 10.1016/j.jpowsour.2005.10.083.