

DAFTAR PUSTAKA

- [1] Republik Indonesia, *Undang-Undang Republik Indonesia Nomor 30 Tahun 2009 tentang Ketenagalistrikan*. Indonesia: JDIH/Lembaran Negara Republik Indonesia, 2009.
- [2] H. Bayu and J. Windarta, “Tinjauan Kebijakan dan Regulasi Pengembangan PLTS di Indonesia,” *Jurnal Energi Baru dan Terbarukan*, vol. 2, no. 3, pp. 123–132, Oct. 2021, doi: 10.14710/jebt.2021.10043.
- [3] A. C. CAREND, “Analisis Efisiensi Solar Panel Dengan Kapasitas 200 WP di Politeknik Negeri Sriwijaya,” *Polsri Repository*, Apr. 2022.
- [4] R. O. Yakubu, D. A. Quansah, L. D. Mensah, W. Ahiataku-Togobo, P. Acheampong, and M. S. Adaramola, “Comparison of ground-based and floating solar photovoltaic systems performance based on monofacial and bifacial modules in Ghana,” *Energy Nexus*, vol. 12, p. 100245, Dec. 2023, doi: 10.1016/j.nexus.2023.100245.
- [5] C. B.G.A *et al.*, “A Comparative Experimental Performance Analysis for Fixed Solar PV Systems and Solar Tracker PV Systems in a Tropical Region,” *International Journal of Research and Innovation in Applied Science*, vol. IX, no. IX, pp. 476–480, 2024, doi: 10.51584/IJRIAS.2024.909041.
- [6] M. Efendi, R. I. Mainil, and A. Aziz, “Comparison of the Efficiency of Solar PV Fixed, Single-Axis, and Dual-Axis Solar Trackers: A Review,” *Jurnal Konversi Energi dan Manufaktur*, pp. 84–93, Jan. 2025, doi: 10.21009/JKEM.10.1.9.
- [7] C. B.G.A *et al.*, “A Comparative Experimental Performance Analysis for Fixed Solar PV Systems and Solar Tracker PV Systems in a Tropical Region,” *International Journal of Research and Innovation in Applied Science*, vol. IX, no. IX, pp. 476–480, 2024, doi: 10.51584/IJRIAS.2024.909041.
- [8] I. K. Hendy Wijaya, I. N. Satya Kumara, and W. G. Ariastina, “ANALISIS PLTS ATAP 25 KWP ON GRID KANTOR DPRD PROVINSI BALI,” *Jurnal SPEKTRUM*, vol. 9, no. 2, p. 128, Jun. 2022, doi: 10.24843/SPEKTRUM.2022.v09.i02.p15.
- [9] N. H. Abdul Kahar, N. H. Azhan, I. Alhamrouni, M. N. Zulkifli, T. Sutikno, and A. Jusoh, “Comparative analysis of grid-connected bifacial and standard mono-facial photovoltaic solar systems,” *Bulletin of Electrical Engineering and Informatics*, vol. 12, no. 4, pp. 1993–2004, Aug. 2023, doi: 10.11591/beej.v12i4.5072.
- [10] T. Mekonnen, V. Ramayya, R. Bhandari, E. Minaye, and S. Tsegay, “Techno-economic

Comparative Analysis of Floating/On-Ground Solar PV System for Electrification of Gilgel Gibe I Auxiliary Load in Ethiopia,” *International Journal of Energy Economics and Policy*, vol. 14, no. 2, pp. 218–225, Mar. 2024, doi: 10.32479/ijeep.14830.

- [11] S. S. Hosseini Dehshiri and B. Firoozabadi, “Comparison, evaluation and prioritization of solar photovoltaic tracking systems using multi criteria decision making methods,” *Sustainable Energy Technologies and Assessments*, vol. 55, p. 102989, Feb. 2023, doi: 10.1016/j.seta.2022.102989.
- [12] R. C.J., K. H. Lim, J. C. Kurnia, S. Roy, B. J. Bora, and B. J. Medhi, “Towards sustainable power generation: Recent advancements in floating photovoltaic technologies,” *Renewable and Sustainable Energy Reviews*, vol. 194, p. 114322, Apr. 2024, doi: 10.1016/j.rser.2024.114322.
- [13] G. Kakoulaki *et al.*, “Benefits of pairing floating solar photovoltaics with hydropower reservoirs in Europe,” *Renewable and Sustainable Energy Reviews*, vol. 171, p. 112989, Jan. 2023, doi: 10.1016/j.rser.2022.112989.
- [14] A. Derisman and M. Ridha Fauzi, “Rancang Bangun Kendaraan Listrik Roda Tiga Bertenaga Surya Sebagai Kendaraan Niaga,” *Jurnal Surya Teknik*, Dec. 2022, Accessed: Dec. 08, 2025.
- [15] D. Suryana and M. S. Ali, “The Effect Of Temperature On Voltage Produced By Monocrystalline Solar Panel (Case Study: Baristand Industri Surabaya),” 2016. Accessed: Dec. 08, 2025.
- [16] E. Peksu, M. Terlemezoglu, M. Parlak, and H. Karaagac, “Characterization of Cu-rich and Zn-poor Cu₂ZnSnS₄ single crystal grown by vertical Bridgman technique,” *J Cryst Growth*, vol. 574, p. 126336, Nov. 2021, doi: 10.1016/j.jcrysgro.2021.126336.
- [17] H. Ziar, S. Farhangi, and B. Asaei, “Modification to Wiring and Protection Standards of Photovoltaic Systems,” *IEEE J Photovolt*, vol. 4, no. 6, pp. 1603–1609, Nov. 2014, doi: 10.1109/JPHOTOV.2014.2344764.
- [18] U. A. Pringsewu, R. Maulana, and I. Abdi Bangsa, “PEMANFAATAN PEMBANGKIT LISTRIK TENAGA SURYA (PLTS) PADA GEDUNG UPHB PT PEMBANGKIT JAWA BALI UNIT MUARA KARANG,” *Aisyah Journal of Informatics and Electrical Engineering*, 2023, [Online]. Available: <http://jti.aisyahuniversity.ac.id/index.php/AJIEE>
- [19] A. Gumintang, F. Sofyan, and I. Sulaeman, “Design and Control of PV Hybrid System in

- Practice,” Jun. 2020. [Online]. Available: www.giz.de
- [20] V. Kouloumpis, A. Kalogerakis, A. Pavlidou, G. Tsinarakis, and G. Arampatzis, “Should Photovoltaics Stay at Home? Comparative Life Cycle Environmental Assessment on Roof-Mounted and Ground-Mounted Photovoltaics,” *Sustainability*, vol. 12, no. 21, p. 9120, Nov. 2020, doi: 10.3390/su12219120.
- [21] I. Marupa, I. R. Moe, A. Mardjono, and D. Malindo, “PLTS Terapung: Review Pembangunan dan Simulasi Numerik Untuk Rekomendasi Penempatan Panel Surya di Waduk Cirata,” *Jurnal Teknik Pengairan*, vol. 13, no. 1, pp. 48–62, Apr. 2022, doi: 10.21776/ub.pengairan.2022.013.01.05.
- [22] W. Uriawan, A. Cahya Abdilah, and E. D. Nur Fadhilah, “Konsep Sistem Pengawasan Proses Pembelajaran Melalui Closed Circuit Television (CCTV) Berbasis Aplikasi,” *Mauriduna: Journal of Islamic Studies*, vol. 5, no. 2, pp. 516–533, Dec. 2024, doi: 10.37274/mauriduna.v5i2.1241.
- [23] I. R. Imaduddin, F. Hadi, Moh. Bachrudin, and W. Pribadi, “Perancangan Solar Charging Controller Mode Maximum Power Point Tracking Control Menggunakan PD Control Untuk Sistem Battery Charging Pada Prototipe Traffic Light System,” *JEECAE (Journal of Electrical, Electronics, Control, and Automotive Engineering)*, vol. 5, no. 1, pp. 39–44, Jul. 2020, doi: 10.32486/jeecae.v5i1.510.
- [24] Direktorat Jendral Ketenagalistrikan, “ESDM untuk Kesejahteraan Rakyat,” 2015. Accessed: Jan. 10, 2026.
- [25] E. A. Karuniawan, “Analisis Perangkat Lunak PVSYST, PVSOL dan HelioScope dalam Simulasi Fixed Tilt Photovoltaic,” *Jurnal Teknologi Elektro*, vol. 12, no. 3, p. 100, Oct. 2021, doi: 10.22441/jte.2021.v12i3.001.
- [26] Y. I. Lukmato, Muhammad Jubran Rizqullah, Mohamad Wahyu Hidayat, and Siti Diah Ayu Febriani, “ANALISIS LOSSES DAYA SEL SURYA DALAM FABRIKASI MODUL SURYA MONOCRYSTALLINE 330WP PT SANTINILESTARI ENERGI INDONESIA,” *Jurnal Inovasi Teknologi Manufaktur, Energi dan Otomotif*, vol. 1, no. 1, pp. 37–44, Aug. 2022, doi: 10.57203/jinggo.v1i1.2022.37-44.
- [27] R. Nurdiansyah, “ENERGI TERBARUKAN DENGAN MENGGUNAKAN FLOATING SOLAR PHOTOVOLTAICS (FPV),” *Riset Sains dan Teknologi Kelautan*, Mar. 2025, doi: 10.62012/sensistek.v8i1.31612.