DAFTAR PUSTAKA

Akrouch, M. A., Chahine, K., Faraj, J., Hachem, F., Castelain, C., & Khaled, M. (2025). Advancements in cooling techniques for enhanced efficiency of solar photovoltaic panels: A detailed comprehensive review and innovative classification. *Energy and Built Environment*, *6*(2), 248–276. https://doi.org/https://doi.org/10.1016/j.enbenv.2023.11.002

Aribowo, N., Facta, M., & Saptadi, S. (2026). Analisis Alternatif Spesifikasi Teknis Dan Faktor Penentu Kinerja Pengembangan Plts Atap Di Gedung Sekretariat Dprd Provinsi Jawa Tengah. *Transmisi: Jurnal Ilmiah Teknik Elektro*, *28*(1), 20–29. https://doi.org/10.14710/transmisi.28.1.20-29

Atina, A., & Prasetio, H. (2022). Pengamatan Lamanya Penyinaran Matahari di BMKG Kelas II Kota Palembang Menggunakan Alat Campbell Stokes. *Jurnal Penelitian Fisika Dan Terapannya (JUPITER)*, *3*(2), 10. https://doi.org/10.31851/jupiter.v3i2.7148

Ballif, C., Haug, F.-J., Boccard, M., Verlinden, P. J., & Hahn, G. (2022). Status and perspectives of crystalline silicon photovoltaics in research and industry. *Nature Reviews Materials*, *7*(8), 597–616. https://doi.org/10.1038/s41578-022-00423-2

Bernal-Agustín, J. L., & Dufo-López, R. (2006). Economical and environmental analysis of grid connected photovoltaic systems in Spain. *Renewable Energy*, *31*(8), 1107–1128. https://doi.org/10.1016/j.renene.2005.06.004

Chandel, S., Naik, M., & Chandel, R. (2017). Review of performance studies of direct coupled photovoltaic water pumping systems and case study. *Renewable and Sustainable Energy Reviews*, *76*, 163–175. https://doi.org/10.1016/j.rser.2017.03.019

Dewan Energi Nasional. (2023). *Neraca Energi 2023-15.9.23_FINAL_1705310892_1709793732*.

Duan, J., He, Y., Sun, X., Yu, H., Zhang, Y., & Zhang, Y. (2025). Design and comprehensive assessment of roof photovoltaic retrofits for existing buildings. *Solar Energy*, *288*, 113280. https://doi.org/https://doi.org/10.1016/j.solener.2025.113280

Globalsolaratlas. (2026). *Global Solar Atlas 2.0: Site data for coordinates -3.444842, 104.243362*. https://www.globalsolaratlas.info/detail?c=-3.444842,104.243362,11&m=site&s=-3.444842,104.243362](https://www.globalsolaratlas.info/detail?c=-3.444842,104.243362,11&m=site&s=-3.444842,104.243362

Hardyanti, A. D. H., Koerniawan, T., Fsj, M. F., Sukmajati, S., Pahiyanti, N. G., & Nayusrizal. (2026). Prediksi Energi Dan Performance Ratio Plts On-Grid 21 kWp Pada Perumahan Di Lampung Menggunakan Pvsyst. *Journal of Authentic Research*, *5*(1), 132–146. https://doi.org/10.36312/5vb50p39

Huda, M. T. A. L. H., Wartana, I. M., & Sulistiawati, I. B. (2024). Integrasi PLTS Pada Sistem Distribusi 20 KV Untuk Meningkatkan Profil Tegangan Dan Mereduksi Rugi-Rugi Daya. *Magnetika: Jurnal Mahasiswa Teknik Elektro*, *8*(2), 107–116. https://ejournal.itn.ac.id/index.php/magnetika/article/view/9032

Kadang, J. M., & Windarta, J. (2021). Optimasi Sosial-Ekonomi pada Pemanfaatan PLTS PV untuk Energi Berkelanjutan di Indonesia. *Jurnal Energi Baru Dan Terbarukan*, *2*(2), 74–83. https://doi.org/10.14710/jebt.2021.11113

Khan, L. A. (2024). Inter-Row Spacing of PV Power Plant. *Energy and Power Engineering*, *16*(03), 121–129. https://doi.org/10.4236/epe.2024.163006

Kurniawan, D., Prasetyo Nugroho, A., Noviansyah Aridito, M., & Fallo, T. (2023). *Kajian Lingkungan dari Potensi Pembangkit Listrik Tenaga Surya di Energy Park Universitas Proklamasi 45 (1)*. *7*(1), 72–82.

Ledmaoui, Y., El Fahli, A., Chehri, A., Elmaghraoui, A., El Aroussi, M., & Saadane, R. (2023). Monitoring Solar Energy Production based on Internet of Things with Artificial Neural Networks Forecasting. *Procedia Computer Science*, *225*, 88–97. https://doi.org/10.1016/j.procs.2023.09.095

Li, Z., Yang, J., & Dezfuli, P. A. N. (2021). Study on the Influence of Light Intensity on the Performance of Solar Cell. *International Journal of Photoenergy*, *2021*, 1–10. https://doi.org/10.1155/2021/6648739

Nayan, F., Ullah, S. M. S., & Saif, S. (2016). *Comparative analysis of PV module efficiency for different types of silicon materials considering the effects of environmental parameters*. https://doi.org/10.1109/CEEICT.2016.7873089

Permen ESDM No. 2 Tahun 2024, Pub. L. 2 (2024).

Pramadya, F. A., & Kim, K. N. (2024). Promoting residential rooftop solar photovoltaics in Indonesia: Net-metering or installation incentives? *Renewable Energy*, *222*, 119901. https://doi.org/https://doi.org/10.1016/j.renene.2023.119901

Prasetio, E. (2025). Analysis Of Rooftop Photovoltaic (PV) System Effectiveness for Building Electricity Bill Reduction. *Indonesian Journal of Electrical Engineering and Renewable Energy*, *5*(1), 51–59. https://journal.irpi.or.id/index.php/ijeere/article/view/2137

Prayogi, N., Widihastuti, I., & Haddin, M. (2023). Pengaruh Beban Puncak Terhadap Efisiensi Transformator 60 MVA di Gardu Induk 150/20 KV Sanggrahan. *CYCLOTRON : Jurnal Teknik Elektro*, *6*(1), 1–7. https://journal.um-surabaya.ac.id/cyclotron/article/view/16585

Putra, J. T., Sarjiya, & Setyonegoro, M. I. B. (2024). Modeling of high uncertainty photovoltaic generation in quasi dynamic power flow on distribution systems: A case study in Java Island, Indonesia. *Results in Engineering*, *21*. https://doi.org/10.1016/j.rineng.2023.101747

Putri, D. N. N., Rizanulhaq, F. M., Sari, T. K., & Irianto, C. G. (2025). Design and Cost benefit Photovoltaic Rooftop for Residential in Indonesia. *IOP Conference Series: Earth and Environmental Science*, *1564*(1), 012131. https://doi.org/10.1088/1755-1315/1564/1/012131

Singh, T. S. D., Shimray, B. A., & Meitei, S. N. (2025). Performance Analysis of a Rooftop Grid-Connected Photovoltaic System in North-Eastern India, Manipur. *Energies*, *18*(8). https://doi.org/10.3390/en18081921

Skoplaki, E., & Palyvos, J. A. (2009). On the temperature dependence of photovoltaic module electrical performance: A review of efficiency/power correlations. *Solar Energy*, *83*(5), 614–624. https://doi.org/https://doi.org/10.1016/j.solener.2008.10.008

Solargis, & World Bank Group. (2020). *Global Solar Atlas*. World Bank Group.

Tarigan, E. (2023). Potential of Floating Photovoltaic System at Tanjungan Dam Mojokerto, Indonesia. *2023 International Conference on Smart-Green Technology in Electrical and Information Systems (ICSGTEIS)*, 13–17. https://doi.org/10.1109/ICSGTEIS60500.2023.10424236

Tawalbeh, M., Al-Othman, A., Kafiah, F., Abdelsalam, E., Almomani, F., & Alkasrawi, M. (2021). Environmental impacts of solar photovoltaic systems: A critical review of recent progress and future outlook. *Science of The Total Environment*, *759*, 143528. https://doi.org/https://doi.org/10.1016/j.scitotenv.2020.143528

USAID - ICED II (Indonesia Clean Energy Development). (2020). *Pedoman Evaluasi Studi Kelayakan Pembangkit Listrik Tenaga Surya (PLTS)*.

Wibowo, R., Sarmidi, Zulatama, A., Assagaf, I. P. A., Choifin, M., Wiranto, I., Setiawan, D., Triyono, B., Syaiful, M., Kamal, M., Wardhana, A. S. J., & Ambarwati, S. (2024). *ENERGI TERBARUKAN*. GET PRESS INDONESIA. https://www.researchgate.net/publication/382047004

Yang, C., Su, C., & Tian, C. (2020). Design and Research of 110kv Intelligent Substation in Electrical System. *Journal of Physics: Conference Series*, *1578*(1), 012211. https://doi.org/10.1088/1742-6596/1578/1/012211

Yin, Q., Li, A., & Han, C. (2024). The Role of Solar Photovoltaic Roofs in Energy-Saving Buildings: Research Progress and Future Development Trends. *Buildings*, *14*(10). https://doi.org/10.3390/buildings14103091