

## DAFTAR PUSTAKA

- [1] PT. Perusahaan Listrik Negara, “Rencana usaha penyediaan tenaga listrik,” *Rencana Usaha Penyediaan Tenaga List.*, pp. 2019–2028, 2019.
- [2] I. Sartori, A. Napolitano, and K. Voss, “Net zero energy buildings: A consistent definition framework,” *Energy Build.*, vol. 48, pp. 220–232, 2012.
- [3] W. Supriatna, “Implementasi Software Pvsyst Untuk Perancangan PLTS Offgrid Di Kecamatan Binong Kabupaten Subang,” vol. 1, no. 3, pp. 228–235, 2023.
- [4] R. Sianipar, “Dasar Perencanaan Pembangkit Listrik Tenaga Surya,” *Jetri J. Ilm. Tek. Elektro*, vol. 11, pp. 61–78, 2017.
- [5] A. Awasthi *et al.*, “Review on sun tracking technology in solar PV system,” *Energy Reports*, vol. 6, pp. 392–405, 2020.
- [6] A. W. Hasanah, T. Koerniawan, and Y. Yuliansyah, “Kajian Kualitas Daya Listrik Plts Sistem Off-Grid Di Stt-Pln,” *Energi & Kelistrikan*, vol. 10, no. 2, pp. 93–101, 2019.
- [7] A. Burhandono, J. Windarta, and N. Sinaga, “Perencanaan PLTS Roof Top On-Grid Untuk Gedung Kantor PLTU Amurang Sebagai Upaya Mengurangi Auxiliary Power dan Memperbaiki Nilai Nett Plant Heat Rate Pembangkit,” *J. Energi Baru dan Terbarukan*, vol. 3, no. 2, pp. 61–79, 2022.
- [8] P. K. Mahanta, K. Debnath, and M. H. Rahman, “Modeling and Simulation of a PV Module Based Power System Using MATLAB/Simulink,” *Dhaka Univ. J. Sci.*, vol. 62, no. 2, pp. 127–132, 2015.
- [9] N. M. Janna and D. A. Widodo, “Analisis Karakteristik Modul Panel Surya Dengan Sistem Pendingin Air,” *J. Fokus Elektroda Energi List. Telekomun. Komputer, Elektron. dan Kendali*, vol. 6, no. 1, p. 37, 2021.
- [10] D. Bartesaghi *et al.*, “Competition between recombination and extraction of free charges determines the fill factor of organic solar cells,” *Nat. Commun.*, vol. 6, no. May, pp. 2–11, 2015.
- [11] I. A. . G. P.A.Sujana, I.N.S Kumara, “Pengaruh Kebersihan Modul Surya Terhadap Unjuk Kerja PLTS,” *Spektrum*, vol. 2, no. 3, pp. 49–54, 2015.
- [12] H. Meilani, “Pengembangan Pembangkit Listrik Tenaga Surya ( PLTS ) Atap,” vol. XVI, no. 11, pp. 11–15, 2024.
- [13] Q. Salem, R. Aljarrah, M. Karimi, and A. Al-Quraan, “Grid-Forming Inverter Control for Power Sharing in Microgrids Based on P/f and Q/V Droop Characteristics,” *Sustain.*, vol. 15, no. 15, 2023.
- [14] M. H. J. Bollen and S. K. Rönnerberg, “Hosting capacity of the power grid for renewable electricity production and new large consumption equipment,”

*Energies*, vol. 10, no. 9, 2017.

- [15] R. Charron, "A review of design processes for low energy solar homes," *Open House Int.*, vol. 33, no. 3, pp. 7–16, 2008.
- [16] Rafli, J. Ilham, and S. Salim, "Perencanaan dan Studi Kelayakan PLTS Rooftop Pada Gedung Fakultas Teknik UNG," vol. 4, 2022.
- [17] P. ESDM, *Peraturan Menteri Energi Dan Sumber Daya Mineral Republik Indonesia Nomor 2 Tahun 2024*, vol. 151, no. 2. 2020, pp. 10–17. [Online]. Available: [https://jdih.esdm.go.id/storage/document/Permen ESDM Nomor 2 Tahun 2024](https://jdih.esdm.go.id/storage/document/Permen%20ESDM%20Nomor%202%20Tahun%202024).
- [18] P. ESDM, *Peraturan menteri Energi Dan sumber Daya mineral Republik Indonesia Nomor 8 Tahun 2023*. 2023.
- [19] "Google Earth," <https://earth.google.com/web/@-0.90914289,100.46050192,247.64999126a,193.56899582d,35y,149.55991945h,0t,0r/data=Cj0aOxI1CiUweDJmZDRiNzk1OGZkNTUyM2I6MHgyMjNkZTUzNDdlYWwOWRiKgxMYWJvcnF0b3JpdW0YAiABOgMKATA> (accessed Jun. 19, 2024).
- [20] E. A. Karuniawan, "Analisis Perangkat Lunak PVSYST, PVSOL dan HelioScope dalam Simulasi Fixed Tilt Photovoltaic," *J. Teknol. Elektro*, vol. 12, no. 3, p. 100, 2021.
- [21] "Global Solar Atlas." <https://globalsolaratlas.info/map> (accessed Jun. 06, 2024).
- [22] J. Remund, E. Salvisberg, and S. Kunz, "On the generation of hourly shortwave radiation data on tilted surfaces," *Sol. Energy*, vol. 62, no. 5, pp. 331–344, May 1998.
- [23] J. Remund, S. Müller, M. Schmutz, and P. Graf, "Meteonorm Version 8 (date accessed: 22/11/2022)," *37th Eur. PV Sol. Energy Conf. Exhib. (EU PVSEC)*, no. August 2020, pp. 1–2, 2020, [Online]. Available: [www.meteonorm.com](http://www.meteonorm.com)
- [24] N. Febriana Pratiwi, A. Pudir, and W. B. Mursanto, "Perancangan PLTS Atap On Grid Kapasitas 163,8 kWp untuk Suplai Daya Industri Tekstil," *Pros. Ind. Res. Work. Natl. Semin.*, vol. 13, no. 1, pp. 13–14, 2022, [Online]. Available: <https://jurnal.polban.ac.id/ojs-3.1.2/proceeding/article/view/4278>
- [25] N. Soedjarwanto, E. Komalasari, and S. Fardhan Asyraf, "Studi Kelayakan Pembangkit Listrik Tenaga Surya (PLTS) Dengan Baterai Dan Terhubung Grid Di Nias, Sumatera Utara," *J. Tek. Ilmu dan Apl.*, vol. 3, 2022.
- [26] D. A. R. Barkhouse, O. Gunawan, T. Gokmen, T. K. Todorov, and D. B. Mitzi, "Yield predictions for photovoltaic power plants: empirical validation, recent advances and remaining uncertainties," *Prog. Photovoltaics Res. Appl.*, vol. 20, no. 1, pp. 6–11, 2015.
- [27] K. D. Syahindra, S. Ma' Arif, A. A. Widayat, A. F. Fauzi, and E. A. Setiawan, "Solar PV system performance ratio evaluation for electric vehicles charging stations in transit oriented development (TOD) areas," *E3S Web Conf.*, vol.

231, 2021.

- [28] L. P. Truong, H. A. Quoc, H. L. Tsai, and D. van Dung, "A method to estimate and analyze the performance of a grid-connected photovoltaic power plant," *Energies*, vol. 13, no. 10, 2020.
- [29] M. Anggiat Situmorang, I. A. Dwi Giriantari, and I. N. Setiawan, "Perancangan Plts Atap Gedung Perpustakaan Universitas Udayana," *J. SPEKTRUM*, vol. 9, no. 2, p. 89, 2022.

