

Daftar Pustaka

- [1] “Rooftop Solar dan Demokrasi Energi di Indonesia,” *IESR*, Apr. 13, 2019. <https://iesr.or.id/surya-atap-dan-demokrasi-energi-di-indonesia> (accessed Jun. 15, 2021).
- [2] V. Salas, “9 - Stand-alone photovoltaic systems,” in *The Performance of Photovoltaic (PV) Systems*, N. Pearsall, Ed. Woodhead Publishing, 2017, pp. 251–296. doi: 10.1016/B978-1-78242-336-2.00009-4.
- [3] Aris Bodhi Ratana, “Perancangan Solar Home System (SHS) Pada Puskesmas Purwosari, Kabupaten Gunungkidul,” *Dep. Tek. Nukl. Dan Tek. Fis. FT UGM*, Sep. 2016.
- [4] G. Mediatama, “Semakin diminati, ada 1.580 pengguna PLTS Atap di Indonesia hingga akhir tahun lalu,” *kontan.co.id*, Feb. 26, 2020. <https://industri.kontan.co.id/news/semakin-diminati-ada-1580-pengguna-plts-atap-di-indonesia-hingga-akhir-tahun-lalu> (accessed Jun. 15, 2021).
- [5] “Capaian Kinerja 2020 & Program 2021.” Kementerian ESDM, Jan. 07, 2021.
- [6] C. A. Hossain, N. Chowdhury, M. Longo, and W. Yaïci, “System and Cost Analysis of Stand-Alone Solar Home System Applied to a Developing Country,” *Sustainability*, vol. 11, no. 5, pp. 1–13, 2019.
- [7] Harditya Hansyah Putra, “Perancangan Model Solar Home System On-Grid Without Energy Storage Untuk Suplai Listrik Rumah Tangga 900 VA di Kabupaten Cilacap,” *Dep. Tek. Elektro Dan Teknol. Inf. FT UGM*, Jul. 2016.
- [8] B. Dhiman, T. Kumar, G. Rituraj, K. Bhalla, and D. Chakrabarti, “Study of small scale photovoltaic applications in rural Indian household context,” *J. Phys. Conf. Ser.*, vol. 1343, p. 012095, Nov. 2019, doi: 10.1088/1742-6596/1343/1/012095.
- [9] C. Obiakor and A. Agbetuyi, “Design of a hybrid off-grid solar system for residential buildings in remote Benja Village,” *Int. J. Mech. Eng. Technol.*, vol. 9, pp. 141–152, Aug. 2018.
- [10] Luthfi Maulana, “Analisis Kinerja Solar Tracking System untuk Solar Home System di Puskemas Girisubo, Kabupaten Gunungkidul,” *Dep. Tek. Nukl. Dan Tek. Fis. FT UGM*, Desember 2016.
- [11] Muhammad Luthfi, “Analisis Tekno-Ekonomi Terhadap Sistem PLTS 28,56 kWp Pada Gedung Soegondo Fakultas Ilmu Budaya, Universitas Gadjah Mada,” *Dep. Tek. Nukl. Dan Tek. Fis. FT UGM*, Jun. 2020.
- [12] Deutsche Gesellschaft Für Sonnenenergie, *Planning and Installing Photovoltaic Systems: A Guide for Installers, Architects and Engineers*. Germany: Routledge, 2013.
- [13] Aman Mostavan, *Energi Surya*. ITB Press, 2012.
- [14] Robert Eisberg, *Quantum Physics Of Atoms, Molecules, Solids, Nuclei, And Particles*. Canada: John Wiley & Sons, 1985.
- [15] “Panel Surya: Cara Kerja Pembangkit Listrik Tenaga Surya,” *Sanspower*, Aug. 10, 2020. <https://www.sanspower.com/pembangkit-listrik-tenaga-surya-menggunakan-panel-surya.html> (accessed Jul. 06, 2021).
- [16] “Utility-Scale Solar Photovoltaic Power Plants: A Project Developer’s G.” https://www.ifc.org/wps/wcm/connect/Topics_Ext_Content/IFC_External_C



- orporate_Site/Sustainability-At-IFC/Publications/Publications_Utility-Scale+Solar+Photovoltaic+Power+Plants (accessed Jul. 06, 2021).
- [17] K.-D. Jäger, O. Isabella, A. H. M. Smets, R. A. C. M. M. van Swaaij, and M. Zeman, *Solar energy: fundamentals, technology and systems*. 2016.
- [18] Ferdiansjah, “Rekayasa Energi Surya Bab 1: Karakteristik Cahaya,” DTNTF FT UGM, Feb. 05, 2014.
- [19] S. Ahmad, S. Shafie, and M. Z. A. Ab Kadir, “A high power generation, low power consumption solar tracker,” in *2012 IEEE International Conference on Power and Energy (PECon)*, Dec. 2012, pp. 366–371. doi: 10.1109/PECon.2012.6450239.
- [20] “Solar Radiation on a Tilted Surface | PVEducation.” <https://www.pveducation.org/pvcdrom/properties-of-sunlight/solar-radiation-on-a-tilted-surface> (accessed Jul. 08, 2021).
- [21] Cecep Setiawan, “Kajian Sistem Pengangkatan Air Tenaga Surya di Gua Plawan, Desa Giricahyo, Kecamatan Purwosari, Kabupaten Gunungkidul,” *Dep. Tek. Nukl. Dan Tek. Fis. FT UGM*, 2014.
- [22] C. Deline, “CHARACTERIZING SHADING LOSSES ON PARTIALLY SHADED PV SYSTEMS,” p. 20.
- [23] Yusuf Suryo Utomo, “Uji Kinerja Baterai Deep Cycle pada Sistem Pembangkit Listrik Tenaga Surya Photovoltaic,” *Prosiding Semin. Nas. Fis. Dan Apl.*, p. 3, Nov. 2015.
- [24] “Conductor Size | Physics Of Conductors And Insulators | Electronics Textbook.” <https://www.allaboutcircuits.com/textbook/direct-current/chpt-12/conductor-size/> (accessed Jul. 13, 2021).
- [25] “Grid-Tied, Off-Grid and Hybrid Solar Systems,” *Energy Informative*. <https://energyinformative.org/grid-tied-off-grid-and-hybrid-solar-systems/> (accessed Jul. 14, 2021).
- [26] Tan D. and Seng A. K., *Handbook for Solar Photovoltaic Systems*. Singapore: Energy Market Authority, 2014.
- [27] “Sistem Hybrid,” *Sunergi*. <http://www.sunergi.co.id/id/sistem-hybrid/> (accessed Jul. 14, 2021).
- [28] Angga Romana, Eko Adhi Setiawan, and Kurnianto Joyonegoro, “Comparison of two calculation methods for designing the solar electric power system for small islands,” *EDP Sci.*, 2018.
- [29] Zulfah Mahmudah, “ANALISIS POTENSI PENGGUNAAN SOLAR TRACKER TERHADAP KINERJA SOLAR HOME SYSTEM (SHS) DI PUSKESMAS PURWOSARI, KABUPATEN GUNUNGKIDUL,” *Dep. Tek. Nukl. Dan Tek. Fis. FT UGM*, Dec. 2016.
- [30] *Practical aspects of solar space heating systems and domestic water heating systems for residential buildings*, vol. 5. Fort Collins, Colorado: Solar Energy Applications Laboratory, 1978. Accessed: Jul. 14, 2021. [Online]. Available: <https://berthoud.catalog.aspencaat.info/ColoGovDoc/ocn796949142>
- [31] “Technical Application Papers No.10 - Photovoltaic plants.” <https://search.abb.com/library/Download.aspx?DocumentID=1SDC007109G>



- 0202&LanguageCode=en&DocumentPartId=&Action=Launch (accessed Jul. 14, 2021).
- [32] Mhd. Syafik and Ibnu Kahfi Bachtiar, “Rancangan Implementasi Pembangkit Listrik Tenaga Surya (PLTS) Skala Rumah Tangga Menggunakan Software HOMER untuk Masyarakat Kelurahan Pulau Terong Kecamatan Belakang Padang Kota Batam,” *Jur. Tek. Elektro FT Univ. Marit. Ali Haji*, 2016.
- [33] T. Lambert, P. Gilman, and P. Lilienthal, “Micropower System Modeling with Homer,” in *Integration of Alternative Sources of Energy*, F. A. Farret and M. G. Simões, Eds. Hoboken, NJ, USA: John Wiley & Sons, Inc., 2006, pp. 379–418. doi: 10.1002/0471755621.ch15.
- [34] Aziz S. N., “Studi Kelayakan Sistem Pembangkit Listrik Tenaga Hibrida (PV-Turbin Angin) Untuk Tempat Wisata di Kepulauan Nusa Penida, Provinsi Bali,” *Dep. Tek. Elektro Dan Teknol. Inf. FT UGM*, 2015.
- [35] Wijaya D. Y., “Analisis Kinerja Solar Home System Untuk Pemenuhan Kebutuhan Energi Listrik Pada Kantor Desa Nyamuk Di Kecamatan Karimunjawa,” *Dep. Tek. Nukl. Dan Tek. Fis. FT UGM*, 2019.
- [36] Kementrian ESDM, “Peraturan Menteri ESDM Nomor 49 Tahun 2018,” 2018. <https://jdih.esdm.go.id/index.php/web/result/1862/detail> (accessed Aug. 04, 2021).

