

## DAFTAR PUSTAKA

- Ajiwiguna, T. A., Lee, G. R., Lim, B. J., Choi, S. M., & Park, C. D. (2022). Design strategy and economic analysis on various configurations of stand-alone PV-RO systems. *Desalination*, 526, 115547. <https://doi.org/10.1016/J.DESAL.2022.115547>
- Alenezi, F. Q., Sykulski, J. K., & Rotaru, M. (2014). Grid-connected photovoltaic module and array sizing based on an iterative approach. *International Journal of Smart Grid and Clean Energy*. <https://doi.org/10.12720/SGCE.3.2.247-254>
- Al-Janahi, S. A., Ellabban, O., & Al-Ghamdi, S. G. (2020). Technoeconomic feasibility study of grid-connected building-integrated photovoltaics system for clean electrification: A case study of Doha metro. *Energy Reports*, 6, 407–414. <https://doi.org/10.1016/J.EGYR.2020.11.192>
- Aprillia, B. S., Silalahi, D. K., & Rigoursyah, M. A. F. (2019). Desain Sistem On-Grid Energi Terbarukan Skala Rumah Tangga Menggunakan Perangkat Lunak HOMER. *JTIM: Jurnal Teknologi Informasi Dan Multimedia*, 1(3), 174–180. <https://doi.org/10.35746/JTIM.V1I3.39>
- Bullich-Massagué, E., Cifuentes-García, F. J., Glenney-Crende, I., Cheah-Mañé, M., Aragiés-Peñalba, M., Díaz-González, F., & Gomis-Bellmunt, O. (2020). A review of energy storage technologies for large scale photovoltaic power plants. *Applied Energy*, 274. <https://doi.org/10.1016/J.APENERGY.2020.115213>
- Chandel, M., Agrawal, G. D., Mathur, S., & Mathur, A. (2014). Techno-economic analysis of solar photovoltaic power plant for garment zone of Jaipur city. *Case Studies in Thermal Engineering*, 2, 1–7. <https://doi.org/10.1016/J.CSITE.2013.10.002>
- DEN. (2021). *Neraca Energi Nasional*. <https://www.den.go.id/index.php/publikasi/documentread?doc=buku-neraca-energi-2021.pdf>
- EnDev. (2018). *Instalasi Pembangkit Listrik Tenaga Surya Dos and Dons*. <https://drive.esdm.go.id/wl/?id=A0Ca89EQB2v3GpMH0KgM2ylJQCb0o2iK>
- ESDM. (2021). *Statistik Ketenagalistrikan Tahun 2020*. [https://gatrik.esdm.go.id/assets/uploads/download\\_index/files/8f7e7-20211110-statistik-2020-rev03.pdf](https://gatrik.esdm.go.id/assets/uploads/download_index/files/8f7e7-20211110-statistik-2020-rev03.pdf)
- Fathima, H., & Palanisamy, K. (2015). Optimized Sizing, Selection, and Economic Analysis of Battery Energy Storage for Grid-Connected Wind-PV Hybrid System.

<https://doi.org/10.1155/2015/713530>

- Fu, R., Feldman, D. J., & Margolis, R. M. (2018). *U.S. Solar Photovoltaic System Cost Benchmark: Q1 2018*. <https://doi.org/10.2172/1483475>
- Gholami, H., Røstvik, H. N., & Müller-Eie, D. (2019). Holistic economic analysis of building integrated photovoltaics (BIPV) system: Case studies evaluation. *Energy and Buildings*, 203. <https://doi.org/10.1016/J.ENBUILD.2019.109461>
- Hounkpatin, H. W., Donnou, H. E. V., Chegnimonhan, V. K., Inoussa, L., & Kounouhewa, B. B. (2023). Techno-Economic and Environmental Feasibility Study of a Hybrid Photovoltaic Electrification System in Back-up Mode : A Case Report. *International Journal of Renewable Energy Development*, 12(2), 396–408. <https://doi.org/10.14710/IJRED.2023.46372>
- ICED. (2020). *Panduan Perencanaan dan Pemanfaatan PLTS Atap di Indonesia*.
- IESR. (2022). *Financing Indonesia's coal phase-out*. <https://iesr.or.id/en/pustaka/financing-indonesias-coal-phase-out>
- Imteaz, M. A., & Ahsan, A. (2018). Solar panels: Real efficiencies, potential productions and payback periods for major Australian cities. *Sustainable Energy Technologies and Assessments*, 25, 119–125. <https://doi.org/10.1016/J.SETA.2017.12.007>
- Jiang, Y., Kang, L., & Liu, Y. (2021). The coordinated optimal design of a PV-battery system with multiple types of PV arrays and batteries: A case study of power smoothing. *Journal of Cleaner Production*, 310. <https://doi.org/10.1016/J.JCLEPRO.2021.127436>
- Jin, T., & Kim, J. (2018). What is better for mitigating carbon emissions – Renewable energy or nuclear energy? A panel data analysis. *Renewable and Sustainable Energy Reviews*, 91, 464–471. <https://doi.org/10.1016/J.RSER.2018.04.022>
- Katadata. (2021). *10 Negara Penyumbang Emisi Gas Rumah Kaca Terbesar*. <https://databoks.katadata.co.id/datapublish/2021/02/16/10-negara-penyumbang-emisi-gas-rumah-kaca-terbesar>
- KLHK. (2020). *Laporan Inventarisasi Gas Rumah Kaca (GRK) dan Monitoring, Pelaporan dan Verifikasi (MPV)*. [http://ditjenppi.menlhk.go.id/reddplus/images/adminppi/dokumen/igrk/LAP\\_igrk2020.pdf](http://ditjenppi.menlhk.go.id/reddplus/images/adminppi/dokumen/igrk/LAP_igrk2020.pdf)
- Kristiyani, R. T., Pramonohadi, S., & Kusumawanto, A. (2021). *ANALISIS TEKNIK DAN EKONOMIS PEMBANGUNAN SISTEM PLTS BERKELANJUTAN PADA*

<http://etd.repository.ugm.ac.id/penelitian/detail/203873>

- Kuncoro, E. A. (2022). *Studi Potensi Pembangkit Listrik Tenaga Surya untuk Memenuhi Kebutuhan Energi pada Unit Fuel Cell di Pantai Baru Pandansimo, Bantul, Yogyakarta*. <https://metsi.ft.ugm.ac.id/2022/04/20/ely-afridiana-kuncoro-studi-potensi-pembangkit-listrik-tenaga-surya-untuk-memenuhi-kebutuhan-energi-pada-unit-fuel-cell-di-pantai-baru-pandansimo-bantul-yogyakarta/>
- Mariaud, A., Acha, S., Ekins-Daukes, N., Shah, N., & Markides, C. N. (2017). Integrated optimisation of photovoltaic and battery storage systems for UK commercial buildings. *Applied Energy*, 199, 466–478. <https://doi.org/10.1016/J.APENERGY.2017.04.067>
- Rahimi, B., Shirvani, H., Asghar Alamolhoda, A., Farhadi, F., & Karimi, M. (2021). A feasibility study of solar-powered reverse osmosis processes. *Desalination*, 500, 114885. <https://doi.org/10.1016/j.desal.2020.114885>
- Reyseliani, N., Hidayatno, A., & Purwanto, W. W. (2022). Implication of the Paris agreement target on Indonesia electricity sector transition to 2050 using TIMES model. *Energy Policy*, 169. <https://doi.org/10.1016/J.ENPOL.2022.113184>
- RUEN. (2017). *Rencana Umum Energi Nasional Indonesia*.
- RUPTL. (2021). *Rencana Usaha Penyediaan Tenaga Listrik 2021-2030*. <https://web.pln.co.id/statics/uploads/2021/10/ruptl-2021-2030.pdf>
- SolarEze. (2022). *Differences Between Solar Systems: Grid, Hybrid & Off-Grid*. <https://solareze.com.au/solar-systems-differences/>
- Thadani, H. L., & Go, Y. I. (2021). Integration of solar energy into low-cost housing for sustainable development: case study in developing countries. *Heliyon*, 7(12). <https://doi.org/10.1016/J.HELİYON.2021.E08513>
- Vunnam, S., VanithaSri, M., & RamaKoteswaraRao, A. (2021). Performance analysis of mono crystalline, poly crystalline and thin film material based  $6 \times 6$  T-C-T PV array under different partial shading situations. *Optik*, 248, 168055. <https://doi.org/10.1016/J.IJLEO.2021.168055>
- Yilmaz, S., & Dincer, F. (2017). *Optimal design of hybrid PV-Diesel-Battery systems for isolated lands: A case study for Kilis, Turkey*. <https://doi.org/10.1016/j.rser.2017.04.037>