

DAFTAR PUSTAKA

- [1] “Total CO₂ emissions from energy,” International Energy Agency, 2021. Diakses: 1 Juli 2024. [Daring]. Tersedia pada: <https://www.iea.org/countries/indonesia/emissions>
- [2] U. Simanjuntak, “Subsidi Energi Fosil Menghambat Transisi Energi.” Diakses: 9 Maret 2024. [Daring]. Tersedia pada: <https://iesr.or.id/subsidi-energi-fosil-menghambat-transisi-energi>
- [3] “Laporan Analisis Neraca Energi Nasional 2022.” Sekretariat Jenderal Dewan Energi Nasional, September 2022. Diakses: 10 Maret 2024. [Daring]. Tersedia pada: den.go.id/publikasi/Neraca-Energi
- [4] “Peraturan Gubernur (PERGUB) Provinsi Jawa Tengah Nomor 29 Tahun 2021 tentang Petunjuk Pelaksanaan Peraturan Daerah Provinsi Jawa Tengah Nomor 12 Tahun 2018 Tentang Rencana Umum Energi Daerah Provinsi Jawa Tengah.” Database Peraturan BPK, 17 November 2021. Diakses: 28 Juli 2024. [Daring]. Tersedia pada: <https://peraturan.bpk.go.id/Details/192590/pegub-prov-jawa-tengah-no-29-tahun-2021>
- [5] Jisman P. Hutajulu, “Laporan Kinerja Direktorat Jenderal Ketenagalistrikan Tahun 2023.” DIREKTORAT JENDERAL KETENAGALISTRIKAN KEMENTERIAN ENERGI DAN SUMBER DAYA MINERAL REPUBLIK INDONESIA, Februari 2024. Diakses: 3 Juli 2024. [Daring]. Tersedia pada: <https://www.esdm.go.id/assets/media/content/content-laporan-kinerja-direktorat-jenderal-ketenagalistrikan-tahun-2023.pdf>
- [6] G. Maclaurin *dkk.*, “The Renewable Energy Potential (reV) Model: A Geospatial Platform for Technical Potential and Supply Curve Modeling,” NREL/TP--6A20-73067, 1563140, MainId:13369, Jun 2021. doi: 10.2172/1563140.
- [7] F. Sawitri, “Integrasi SIG dan Metode MCDM untuk Evaluasi Penentuan Lokasi PLTS, Studi Kasus di Kabupaten Kupang, Nusa Tenggara Timur,” Institut Teknologi Sepuluh Nopember, 2016. Diakses: 3 Mei 2024. [Daring]. Tersedia pada: <http://repository.its.ac.id/id/eprint/75254>
- [8] M. Rumbayan dan K. Nagasaka, “Solar Irradiation Estimation with Neural Network Method Using Meteorological Data in Indonesia,” *Int. J. Technol.*, vol. 3, no. 2, hlm. 110–120, Jan 2014, doi: <https://doi.org/10.14716/ijtech.v3i2.87>.
- [9] A. Ramadhan, Bertha Maya Shopa, dan Mohammad Kholid Ridwan, “Analisis Aplikasi Machine Learning dengan Model Extreme-Gradient Boosting dan Light-Gradient Boosting untuk Prediksi Energi PLTS Atap,” Universitas Gadjah Mada, 2022. Diakses: 16 April 2024. [Daring]. Tersedia pada: <https://etd.repository.ugm.ac.id/penelitian/detail/218323>
- [10] K. Anuradha, D. Erlapally, G. Karuna, V. Srilakshmi, dan K. Adilakshmi, “Analysis Of Solar Power Generation Forecasting Using Machine Learning Techniques,” *E3S Web Conf.*, vol. 309, hlm. 01163, 2021, doi: 10.1051/e3sconf/202130901163.

- [11] Farah Duta Umari Shadra, "Identifikasi Lokasi PLTS yang Optimal Menggunakan GIS di Tiga Provinsi Baru Indonesia." Diakses: 6 Mei 2024. [Daring]. Tersedia pada: <https://mapid.co.id/blog/lokasi-plts-optimal-menggunakan-gis-di-indonesia#>
- [12] "Renewable Power Generation Costs in 2020." International Renewable Energy Agency, 2021. Diakses: 17 April 2024. [Daring]. Tersedia pada: https://www.irena.org/-/media/Files/IRENA/Agency/Publication/2021/Jun/IRENA_Power_Generation_Costs_2020.pdf?rev=c9e8dfcd1b2048e2b4d30fef671a5b84
- [13] M. Jefferson, "HOW SOLAR ENERGY BECAME CHEAP: A MODEL FOR LOW-CARBON INNOVATION by Gregory F.Nemet Routledge (2019), 238 pp. ISBN: 978-0367136574 (hb, £88.00); 978-0367136598 (pb, £27.99); 978-0367136604 (e-book, £27.99; e-book rental from £17.50)," *Econ. Aff.*, vol. 39, no. 3, hlm. 437–438, Okt 2019, doi: 10.1111/ecaf.12365.
- [14] M. Woodhouse *dkk.*, "On the Path to SunShot. The Role of Advancements in Solar Photovoltaic Efficiency, Reliability, and Costs," NREL/TP--6A20-65872, 1253983, Mei 2016. doi: 10.2172/1253983.
- [15] K. E. Trenberth, "Earth's Energy Balance," dalam *Encyclopedia of Energy*, Elsevier, 2004, hlm. 859–870. doi: 10.1016/B0-12-176480-X/00050-2.
- [16] H. Ahmed Kutty, M. H. Masral, dan P. Rajendran, "Regression Model to Predict Global Solar Irradiance in Malaysia," *Int. J. Photoenergy*, vol. 2015, hlm. 1–7, 2015, doi: 10.1155/2015/347023.
- [17] S. Dubey, J. N. Sarvaiya, dan B. Seshadri, "Temperature Dependent Photovoltaic (PV) Efficiency and Its Effect on PV Production in the World – A Review," *Energy Procedia*, vol. 33, hlm. 311–321, 2013, doi: 10.1016/j.egypro.2013.05.072.
- [18] V. Kelsey, S. Riley, dan K. Minschwaner, "Atmospheric precipitable water vapor and its correlation with clear-sky infrared temperature observations," *Atmospheric Meas. Tech.*, vol. 15, no. 5, hlm. 1563–1576, Mar 2022, doi: 10.5194/amt-15-1563-2022.
- [19] D. Yang dan J. M. Bright, "Worldwide validation of 8 satellite-derived and reanalysis solar radiation products: A preliminary evaluation and overall metrics for hourly data over 27 years," *Sol. Energy*, vol. 210, hlm. 3–19, Nov 2020, doi: 10.1016/j.solener.2020.04.016.
- [20] L. Ahmad, A. Biswas, J. Warland, dan I. Anjum, "Atmospheric Pressure and Solar Radiation," dalam *Climate Change and Agrometeorology*, Singapore: Springer Nature Singapore, 2023, hlm. 17–51. doi: 10.1007/978-981-99-4863-5_3.
- [21] K. C. Laudon dan J. P. Laudon, *Management information systems: managing the digital firm*, Sixteenth edition, Global edition. Harlow: Pearson, 2020.
- [22] T. Bernhardsen, *Geographic information systems: an introduction*, 3rd ed. New York, NY: Wiley, 2002.
- [23] Y. Zhang, J. Ren, Y. Pu, dan P. Wang, "Solar energy potential assessment: A framework to integrate geographic, technological, and economic indices for

- a potential analysis,” *Renew. Energy*, vol. 149, hlm. 577–586, Apr 2020, doi: 10.1016/j.renene.2019.12.071.
- [24] P. A. Longley, M. F. Goodchild, D. J. Maguire, dan D. W. Rhind, *Geographic information science & systems*, Fourth edition. Hoboken, N.J: Wiley, 2015.
- [25] M. Sengupta, Y. Xie, A. Lopez, A. Habte, G. Maclaurin, dan J. Shelby, “The National Solar Radiation Data Base (NSRDB),” *Renew. Sustain. Energy Rev.*, vol. 89, hlm. 51–60, Jun 2018, doi: 10.1016/j.rser.2018.03.003.
- [26] OpenStreetMap contributors, “Central Java retrieved from <https://planet.osm.org/>.” 2024. Diakses: 15 Mei 2024. [Daring]. Tersedia pada: <https://www.openstreetmap.org/>
- [27] “ALOS Global Digital Surface Model ‘ALOS World 3D - 30m (AW3D30).’” April 2024. Diakses: 15 November 2024. [GeoTIFF]. Tersedia pada: https://www.eorc.jaxa.jp/ALOS/en/dataset/aw3d30/aw3d30_e.htm
- [28] S. Russell dan P. Norvig, *Artificial intelligence: a modern approach*, Third edition. Boston: Pearson, 2016.
- [29] S. Genovese, “Artificial Intelligence: A Guide for Thinking Humans: Comments on the book by Melanie Mitchell,” *ORDO*, vol. 71, no. 1, hlm. 444–449, Jun 2020, doi: 10.1515/or-do-2021-0028.
- [30] Y. LeCun, Y. Bengio, dan G. Hinton, “Deep learning,” *Nature*, vol. 521, no. 7553, hlm. 436–444, Mei 2015, doi: 10.1038/nature14539.
- [31] G. James, D. Witten, T. Hastie, R. Tibshirani, dan J. Taylor, *An Introduction to Statistical Learning: with Applications in Python*. dalam Springer Texts in Statistics. Cham: Springer International Publishing, 2023. doi: 10.1007/978-3-031-38747-0.
- [32] T. Hastie, R. Tibshirani, dan J. Friedman, *The Elements of Statistical Learning*. dalam Springer Series in Statistics. New York, NY: Springer New York, 2009. doi: 10.1007/978-0-387-84858-7.
- [33] L. Breiman, “Random Forests,” *Mach. Learn.*, vol. 45, no. 1, hlm. 5–32, 2001, doi: 10.1023/A:1010933404324.
- [34] T. Chen dan C. Guestrin, “XGBoost: A Scalable Tree Boosting System,” dalam *Proceedings of the 22nd ACM SIGKDD International Conference on Knowledge Discovery and Data Mining*, San Francisco California USA: ACM, Agu 2016, hlm. 785–794. doi: 10.1145/2939672.2939785.
- [35] G. Ke dkk., “LightGBM: a highly efficient gradient boosting decision tree,” dalam *Proceedings of the 31st International Conference on Neural Information Processing Systems*, dalam NIPS’17. Red Hook, NY, USA: Curran Associates Inc., 2017, hlm. 3149–3157.
- [36] C. Voyant dkk., “Machine learning methods for solar radiation forecasting: A review,” *Renew. Energy*, vol. 105, hlm. 569–582, Mei 2017, doi: 10.1016/j.renene.2016.12.095.
- [37] “Comparing Random Forests and Histogram Gradient Boosting models.” Diakses: 13 Desember 2024. [Daring]. Tersedia pada: https://scikit-learn.org/stable/auto_examples/ensemble/plot_forest_hist_grad_boosting_comparison.html

- [38] F. Afif dan A. Martin, "Tinjauan Potensi dan Kebijakan Energi Surya di Indonesia," *J. Engine Energi Manufaktur Dan Mater.*, vol. 6, no. 1, hlm. 43, Mei 2022, doi: 10.30588/jeemm.v6i1.997.

