DAFTAR PUSTAKA

[1] D. R. Putra, D. Yoesgiantoro, and S. Thamrin, "KEBIJAKAN KETAHANAN ENERGI BERBASIS ENERGI LISTRIK PADA BIDANG TRANSPORTASI GUNA MENDUKUNG PERTAHANAN NEGARA DI INDONESIA: SEBUAH KERANGKA KONSEPTUAL," *Jurnal Ilmu Pengetahuan Sosial*, vol. 7 No 3, pp. 658–672, 2020, doi: 10.31604/jips.v7i3.2020.658-672.

[2] Ardianto, A. B. Raharjo, and D. Purwitasari, "Random Forest Regression Untuk Prediksi Produksi Daya Pembangkit Listrik Tenaga Surya," *Jurnal Riset dan Konseptual*, vol. 7 No 4, 2022.

[3] J. Homepage, D. Sopyan, D. Heksaputra, R. Nur, R. Dzakiyullah, and Y. Wicaksono, "Time Series Analysis of Solar Power Generation Based on Historical Data and Irradiance Using the ARIMA Method," *Indonesian Journal of Electrical Engineering and Renewable Energy*, vol. 5, pp. 61–78, May 2025, doi: 10.57152/ijeere.v5i1.

[4] S. Zhao, "Urban Electricity Consumption Forecasting Based on SARIMA and Random Forest Modeling," *Journal of Electrotechnology, Electrical Engineering and Management*, vol. 7, no. 1, 2024, doi: 10.23977/jeeem.2024.070115.

[5] D. V. Pombo, H. W. Bindner, S. V. Spataru, P. E. Sørensen, and P. Bacher, "Increasing the Accuracy of Hourly Multi-Output Solar Power Forecast with Physics-Informed Machine Learning," *Sensors*, vol. 22, no. 3, Feb. 2022, doi: 10.3390/s22030749.

[6] Ardianto, A. B. Raharjo, and D. Purwitasari, "Random Forest Regression Untuk Prediksi Produksi Daya Pembangkit Listrik Tenaga Surya," *BRILLIANT : Jurnal Riset dan Konseptual*, vol. 7, pp. 1058–1074, Nov. 2022.

[7] V. Kushwaha and N. M. Pindoriya, "A SARIMA-RVFL hybrid model assisted by wavelet decomposition for very short-term solar PV power generation forecast," *Renew. Energy*, vol. 140, pp. 124–139, Sep. 2019, doi: 10.1016/j.renene.2019.03.020.

[8] V. Kushwaha and N. M. Pindoriya, "Very Short-Term Solar PV Generation Forecast Using SARIMA Model: A Case Study," vol. 7, pp. 430–435, Dec. 2017.

[9] A. Gifson, M. Rt Siregar, and M. P. Pambudi, "RANCANG BANGUN PEMBANGKIT LISTRIK TENAGA SURYA (PLTS) ON GRID DI ECOPARK ANCOL," Mar. 2020.

[10] A. A. Yaghoubi, M. Gandomzadeh, A. Gholami, R. Gavagsaz-Ghoachani, and M. Zandi, “Long-term comparative analysis of machine learning models: A deep dive into applications of artificial intelligence for enhancing photovoltaic performance prediction,” *International Journal of Electrical Power and Energy Systems*, vol. 170, no. July, p. 110866, 2025, doi: 10.1016/j.ijepes.2025.110866.

[11] A. G. Hutajulu, M. RT Siregar, and M. P. Pambudi, “Rancang Bangun Pembangkit Listrik Tenaga Surya (Plts) on Grid Di Ecopark Ancol,” *TESLA: Jurnal Teknik Elektro*, vol. 22, no. 1, p. 23, 2020, doi: 10.24912/tesla.v22i1.7333.

[12] H. T. Badogil, A. Dani, and D. Erivianto, “Studi Optimalisasi Sudut Kemiringan dan Azimut Panel Surya Terhadap Output PLTS Menggunakan Perangkat Lunak PVSyst,” *Innovative: Journal Of Social Science Research*, vol. 4, no. 6, pp. 83–95, 2024.

[13] A. Arida, D. Atmojo, I. T. Yuniahastuti, R. D. Laksono, T. Elektro, and P. Koresponden, “Analisis Potensi Daya Plts Rooftop Laboratorium,” pp. 66–75, 2025.

[14] Samsurizal, K. T. Mauriraya, M. Fikri, N. Pasra, and Christiono, “6. Dasar Teori (Klasifikasi pengoperasian PLTS) Buku%20PLTS (Buku PLTS),” vol. 1, Sep. 2021.

[15] O. Bamisile, C. Acen, D. Cai, Q. Huang, and I. Staffell, “The environmental factors affecting solar photovoltaic output,” Feb. 01, 2025, *Elsevier Ltd*. doi: 10.1016/j.rser.2024.115073.

[16] S. Zhao, “Urban Electricity Consumption Forecasting Based on SARIMA and Random Forest Modeling,” *Journal of Electrotechnology, Electrical Engineering and Management*, vol. 7, no. 1, 2024, doi: 10.23977/jeeem.2024.070115.

[17] Y. Ruan, G. Wang, H. Meng, and F. Qian, “A Hybrid Model for Power Consumption Forecasting Using VMD-Based the Long Short-Term Memory Neural Network,” *Front. Energy Res.*, vol. 9, no. January, pp. 1–16, 2022, doi: 10.3389/fenrg.2021.772508.

[18] A. Fauzan, M. E. Dalimunthe, and P. Siagian, “Sistem Forecasting Penggunaan Daya Harian dengan Metode SARIMAX,” *Jurnal Orang Elektro*, vol. 13, no. 3, pp. 316–319, 2024.

[19] A. Shukla, R. K. Pachauri, A. Hussain, A. Ali, and B. Khan, “Comparative analysis dust accumulation impact on PV performance using artificial neural network and machine learning algorithms,” *Results in Engineering*,

vol. 26, no. November 2024, p. 105024, 2025, doi: 10.1016/j.rineng.2025.105024.

[20] E. Vivas, H. Allende-Cid, and R. Salas, “A systematic review of statistical and machine learning methods for electrical power forecasting with reported mape score,” *Entropy*, vol. 22, no. 12, pp. 1–24, 2020, doi: 10.3390/e22121412.

[21] Ratri Ismayanti and Wiga Maulana Baihaqi, “Prediksi Suatu Wilayah Untuk Menjadi PLTS Dengan Machine Learning,” *Journal of Informatics and Interactive Technology*, vol. 1, no. 2, pp. 66–72, 2024, doi: 10.63547/jiite.v1i2.6.

[22] A. Senen, T. W. O. Putri, J. J. Jamian, E. Supriyanto, and D. Anggaini, “Fuzzy C-means clustering based on micro-spatial analysis for electricity load profile characterization,” *Indonesian Journal of Electrical Engineering and Computer Science*, vol. 30, no. 1, pp. 33–45, Apr. 2023, doi: 10.11591/ijeecs.v30.i1.pp33-45.

[23] D. Listiawati, Y. Zuriatni, and R. Okvasari, “Prediksi Degradasi Daya Modul Photovoltaic Polycrystalline Menggunakan Random Forest,” vol. 5, pp. 1032–1040, 2026.

[24] V. Courtillot, “Content courtesy of Springer Nature , terms of use apply . Rights reserved . Content courtesy of Springer Nature , terms of use apply . Rights reserved .,” *Sol Phys*, vol. C, no. January, pp. 1–24, 2021, [Online]. Available: http://dx.doi.org/10.1007/s11207-020-01760-7

[25] C. Meng, S. Griesemer, D. Cao, S. Seo, and Y. Liu, “When physics meets machine learning: a survey of physics-informed machine learning,” *Machine Learning for Computational Science and Engineering*, vol. 1, no. 1, 2025, doi: 10.1007/s44379-025-00016-0.

[26] D. V. Pombo, H. W. Bindner, S. V. Spataru, P. E. Sørensen, and P. Bacher, “Increasing the Accuracy of Hourly Multi-Output Solar Power Forecast with Physics-Informed Machine Learning,” *Sensors*, vol. 22, no. 3, Feb. 2022, doi: 10.3390/s22030749.

[27] D. Ruhiat, E. S. Masrulloh, and F. Azis, “Forecasting Data Time Series Berpola Musiman Menggunakan Model SARIMA (Studi Kasus: Sungai Cipeles-Warungpeti),” *Jurnal Riset Matematika dan Sains Terapan*, vol. 39, no. 1, pp. 39–50, 2022.