



DAFTAR PUSTAKA

- [1] G. S. Atlas, “Global solar atlas: Indonesia,” <https://globalsolaratlas.info/download/indonesia>, 2024, accessed: 2024-07-07.
- [2] South African Photovoltaic Industry Association (SAPVIA), “Solar pv installation guidelines,” South African Photovoltaic Industry Association (SAPVIA), South Africa, Tech. Rep., 2017.
- [3] V. H. Noya, F. Rumlawang, and Y. Lesnussa, “Aplikasi transformasi fourier untuk menentukan periode curah hujan (studi kasus: Periode curah hujan di kabupaten seram bagian barat, provinsi maluku),” *Jurnal Matematika Integratif*, vol. 10, no. 2, pp. 85–94, 2014.
- [4] The MathWorks, Inc, *Fuzzy Logic Toolbox™ User’s Guide*, The MathWorks, Inc, 1995–2018.
- [5] J. Jang, C. Sun, and E. Mizutani, *Neuro-Fuzzy and Soft Computing: A Computational Approach to Learning and Machine Intelligence*. London: Prentice-Hall, Inc, 1997.
- [6] O. López-Ortega, G. Garcia, and I. Villar-Medina, “Neural network with brain inspired computing paradigm,” *Advances in Computational Intelligence*, vol. 34, pp. 122–125, 11 2015.
- [7] F. Laurene, *Fundamentals of Neural Networks: Architectures, Algorithms, and Applications*. New York: Prentice Hall, 1994.
- [8] N. R. Hikmiyah, R. R. A. Siregar, B. Prayitno, D. T. Kusuma, and N. G. Pahiyanti, “Metode fuzzy subtractive clustering dalam pengelompokan penggunaan energi listrik rumah tangga,” *Petir*, vol. 14, no. 2, pp. 269–279, Sep. 2021.
- [9] J. Yen, “Fuzzy logic-a modern perspective,” *IEEE Transactions on Knowledge and Data Engineering*, vol. 11, no. 1, pp. 153–165, 1999.
- [10] K. E. dan Sumber Daya Mineral, “Laporan kinerja kementerian energi dan sumber daya mineral 2022,” Kementerian ESDM, Jakarta, Tech. Rep., 2023.
- [11] Intergovernmental Panel on Climate Change (IPCC), *Climate Change 2023: Synthesis Report. Contribution of Working Groups I, II and III to the Sixth Assessment Report of the Intergovernmental Panel on Climate Change*, H. L. Core Writing Team and J. Romero, Eds. Geneva, Switzerland: IPCC, 2023.
- [12] K. E. dan Sumber Daya Mineral, “Rencana usaha penyediaan listrik (ruptl) pln 2021-2030,” Kementerian ESDM, Jakarta, Tech. Rep., 2021.
- [13] E. Pramono and S. Isnandar, “Criteria for integration of intermittent renewable energy to the java bali grid,” in *International Conference on High Voltage Engineering and Power System*, 2017, pp. 91–94.
- [14] PT. PLN (Persero) UIP2B, “Evaluasi operasi sistem jawa bali 2016 (bagian a),” PT. PLN (Persero) UIP2B, Jakarta, Tech. Rep., 2017.



- [15] P. Lukhyswara, L. M. Putranto, and D. D. Ariananda, “Solar irradiation forecasting uses time series analysis,” in *2019 11th International Conference on Information Technology and Electrical Engineering (ICITEE)*, 2019, pp. 1–6.
- [16] G. Zhang, H.-X. Li, and M. Gan, “Design a wind speed prediction model using probabilistic fuzzy system,” *IEEE Transactions on Industrial Informatics*, vol. 8, no. 4, pp. 819–827, 2012.
- [17] J. Mendel, “Fuzzy logic systems for engineering: a tutorial,” *Proceedings of the IEEE*, vol. 83, no. 3, pp. 345–377, 1995.
- [18] S. B. Boualit and A. Mellit, “Sarima-svm hybrid model for the prediction of daily global solar radiation time series,” in *2016 International Renewable and Sustainable Energy Conference (IRSEC)*, 2016, pp. 712–717.
- [19] V. Kushwaha and N. M. Pindoriya, “Very short-term solar pv generation forecast using sarima model: A case study,” in *2017 7th International Conference on Power Systems (ICPS)*, 2017, pp. 430–435.
- [20] X. Chen, B. Xie, P. Zhang, and X. Qiu, “Research on wind and solar power generation forecasting based on sarima-lstm model,” in *2023 3rd International Conference on New Energy and Power Engineering (ICNEPE)*, 2023, pp. 695–699.
- [21] J. R. S. Doorga, D. Rughoo, R. Boojhawon, and S. D. D. V. Rughooputh, “Development of a day-ahead solar energy forecasting model using seasonal arima for economic load dispatch,” in *2022 7th International Conference on Environment Friendly Energies and Applications (EFEA)*, 2022, pp. 1–6.
- [22] S. I. Vagropoulos, G. I. Chouliaras, E. G. Kardakos, C. K. Simoglou, and A. G. Bakirtzis, “Comparison of sarimax, sarima, modified sarima and ann-based models for short-term pv generation forecasting,” in *2016 IEEE International Energy Conference (ENERGYCON)*, 2016, pp. 1–6.
- [23] S. M. Al-Kaissi and O. T. Al-Taai, “Prediction of global solar irradiation by using fuzzy logic,” in *2021 1st Babylon International Conference on Information Technology and Science (BICITS)*, 2021, pp. 92–97.
- [24] S. Jafarzadeh, M. S. Fadali, and C. Y. Evrenosoglu, “Solar power prediction using interval type-2 tsk modeling,” *IEEE Transactions on Sustainable Energy*, vol. 4, no. 2, pp. 333–339, 2013.
- [25] S. Chen, H. Gooi, and M. Wang, “Solar radiation forecast based on fuzzy logic and neural networks,” *Renewable Energy*, vol. 60, pp. 195–201, 2013. [Online]. Available: <https://www.sciencedirect.com/science/article/pii/S0960148113002565>
- [26] H. Siddarameshwara, S. Kari, I. B. Naganur, B. Mohankumara, and S. S. Koti, “Adaptive neuro-fuzzy inference system for the prediction of solar power,” in *2021 International Conference on Intelligent Technologies (CONIT)*, 2021, pp. 1–5.
- [27] F. M. A. Hadi, H. H. Aly, and T. Little, “Harmonics forecasting of wind and solar hybrid model driven by dfig and pmsg using ann and anfis,” *IEEE Access*, vol. 11, pp. 55 413–55 424, 2023.



- [28] F. M. A. Hadi and H. H. Aly, "Harmonics forecasting of renewable energy system using hybrid model based on lstm and anfis," *IEEE Access*, vol. 12, pp. 50966–50985, 2024.
- [29] V. Vittal and I. A. Fulton, "Impact of increased penetration of wind and pv solar resources on the bulk power system," Arizona State University, Arizona, Tech. Rep., 2012.
- [30] S. Makridakis, S. C. Wheelwright, and R. J. Hyndman, *Forecasting: Methods and Applications*. John Wiley & Sons, Inc, 2008.
- [31] W. W. S. Wei, *Time Series Analysis: Univariate and Multivariate Methods*, 2nd ed. New Jersey: Pearson Education, 2006.
- [32] A. V. Oppenheim, A. S. Willsky, and S. H. Nawab, *Signal and System*, 2nd ed. New Jersey: Prentice-Hall, Inc, 1997.
- [33] E. Kreyszig, *Advanced Engineering Mathematics*, 9th ed. United States: John Wiley & Sons, Inc, 2006.
- [34] M. H. Hayes, *Statistical Digital Signal Processing And Modelling*. Canada: John Wiley & Sons, Inc, 1996.
- [35] G. E. P. Box, G. M. Jenkins, G. C. Reinsel, and G. M. Ljung, *Time Series Analysis: Forecasting and Control*, 5th ed. New Jersey: John Wiley & Sons, 2016.
- [36] E. Cox, *The Fuzzy Systems Handbook: A Practitioner's Guide to Building, Using, and Maintaining Fuzzy Systems*. Academic Press, Inc, 1994.
- [37] S. Haykin, *Neural Networks: A Comprehensive Foundation*, 2nd ed. Prentice Hall International, Inc, 1999.
- [38] K. P. Murphy, *Machine Learning: A Probabilistic Perspective*. Cambridge, Massachusetts: The MIT Press, 2012.
- [39] T. Gonsalves and J. Upadhyay, "Chapter eight - integrated deep learning for self-driving robotic cars," in *Artificial Intelligence for Future Generation Robotics*, R. N. Shaw, A. Ghosh, V. E. Balas, and M. Bianchini, Eds. Elsevier, 2021, pp. 93–118. [Online]. Available: <https://www.sciencedirect.com/science/article/pii/B9780323854986000101>
- [40] M. Denai, F. Palis, and A. Zeghbib, "Anfis based modelling and control of non-linear systems : a tutorial," in *2004 IEEE International Conference on Systems, Man and Cybernetics (IEEE Cat. No.04CH37583)*, vol. 4, 2004, pp. 3433–3438 vol.4.
- [41] S. Chiu, "Fuzzy model identification based on cluster estimation," *Journal of Intelligent & Fuzzy Systems*, vol. 2, no. 3, September 1994.
- [42] L. Hongxing *et al.*, *Fuzzy Neural Intelligent System, Mathematical Foundation and the Application in Engineering*. CRC Press LLC, 2001.



- [43] S. Chiu, “A cluster estimation method with extension to fuzzy model identification,” in *Proceedings of 1994 IEEE 3rd International Fuzzy Systems Conference*, 1994, pp. 1240–1245 vol.2.
- [44] (2019) Automatic weather station (aws) rekayasa bmkg. Badan Meteorologi Klimatologi dan Geofisika. [Online]. Available: <http://202.90199.132/aws-new/>
- [45] Langley Research Center National Aeronautics and Space Administration (LARC NASSA). (2024) Prediction of worldwide energy resources. [Online]. Available: <https://power.larc.nasa.gov/beta/data-access-viewer/>
- [46] A. Falih Zuhdi, Aripriharta, A. Rakhmat Taufani, A. Firmansah, and G. Jiun Horng, “Car sales prediction system based on fuzzy time series and adaptive neuro fuzzy inference system,” in *2020 International Computer Symposium (ICS)*, 2020, pp. 272–277.