

DAFTAR PUSTAKA

- [1] L. Banjanovic-Mehmedovic, A. Hajdarevic, M. Kantardzic, F. Mehmedovic, and I. Dzananovic, "Neural network-based data-driven modelling of anomaly detection in thermal power plant," *Automatika*, vol. 58, no. 1, pp. 69–79, 2017, doi: 10.1080/00051144.2017.1343328.
- [2] A. Kumar, A. Srivastava, A. Banerjee, and A. Goel, "Performance based anomaly detection analysis of a gas turbine engine by artificial neural network approach," *Proceedings of the Annual Conference of the Prognostics and Health Management Society 2012, PHM 2012*, pp. 450–457, 2012.
- [3] R. Xu and W. Yan, "A Comparison of GANs-Based Approaches for Combustor System Fault Detection," *Proceedings of the International Joint Conference on Neural Networks*, 2020, doi: 10.1109/IJCNN48605.2020.9207487.
- [4] "agots." Chair of Data Science and Data Engineering @ b-it center, Jun. 26, 2022. Accessed: Jul. 07, 2022. [Online]. Available: <https://github.com/KDD-OpenSource/agots>
- [5] A. Aldweesh, A. Derhab, and A. Z. Emam, "Deep learning approaches for anomaly-based intrusion detection systems: A survey, taxonomy, and open issues," *Knowledge-Based Systems*, vol. 189, no. xxxx, p. 105124, 2019, doi: 10.1016/j.knosys.2019.105124.
- [6] B. Dong and X. Wang, "Comparison deep learning method to traditional methods using for network intrusion detection," *Proceedings of 2016 8th IEEE International Conference on Communication Software and Networks, ICCSN 2016*, pp. 581–585, 2016, doi: 10.1109/ICCSN.2016.7586590.
- [7] Y. Zhou, W. Hu, Y. Min, and L. Zheng, "A Semi-supervised Anomaly Detection Method for Wind Farm Power Data Preprocessing," pp. 12–16, 2017.

- [8] C. Tsai, C. Lin, and N. Fan, “Anomali Detection Mechanism for Solar Generation using Semi-supervision Learning Model,” pp. 9–13, 2020.
- [9] G. Lee, M. Jung, M. Song, and J. Choo, “Unsupervised anomali detection of the gas turbine operation via convolutional auto-encoder,” *Proceedings of the Annual Conference of the Prognostics and Health Management Society, PHM*, vol. 2020-June, 2020, doi: 10.1109/ICPHM49022.2020.9187054.
- [10] M. Kim, E. Ou, P. L. Loh, T. Allen, R. Agasie, and K. Liu, “RNN-Based online anomali detection in nuclear reactors for highly imbalanced datasets with uncertainty,” *Nuclear Engineering and Design*, vol. 364, no. January, p. 110699, 2020, doi: 10.1016/j.nucengdes.2020.110699.
- [11] M. Klein, G. Thiele, A. Fono, N. Khorsandi, D. Schade, and J. Kruger, “Process data based Anomali detection in distributed energy generation using Neural Networks,” *2020 International Conference on Control, Automation and Diagnosis, ICCAD 2020 - Proceedings*, 2020, doi: 10.1109/ICCAD49821.2020.9260563.
- [12] V. Chandola, A. BANERJEE, and V. KUMAR, “Anomali detection: A survey,” *ACM Computing Survey (CSUR)*, vol. 41, no. 3, pp. 1–72, 2009, doi: 10.1145/1541880.1541882.
- [13] D. D. Istiawan, R. Syahputra, and K. T. Putra, “Analysis of Steam Power Generators in Fulfilling Electricity Needs: A Case Study at PT Madubaru Yogyakarta, Indonesia,” *jet*, vol. 1, no. 4, 2017, doi: 10.18196/jet.1425.
- [14] R. Syahputra, A. W. Nugroho, A. N. N. Chamim, W. Widyasmoro, and T. I. Prasetyo, “Performance Analysis of Synchronous Generator: A Case Study in Steam Power Plant at PT POMI Paiton Unit 7 Probolinggo, East Java, Indonesia,” *jet*, vol. 2, no. 4, 2018, doi: 10.18196/jet.2445.
- [15] M. Elamin, “FUNDAMENTALS OF THERMAL POWER GENERATION,” *IJEAST*, vol. 5, no. 6, pp. 111–115, Oct. 2020, doi: 10.33564/IJEAST.2020.v05i06.015.
- [16] Donglan Huang, Dahai Zhang, Yusui Liu, Shirong Zhang, and Wei Zhu, “A KPCA based fault detection approach for feed water treatment process of coal-fired power plant,” in *Proceeding of the 11th World Congress on*

- Intelligent Control and Automation*, Shenyang, China, Jun. 2014, pp. 3222–3227. doi: 10.1109/WCICA.2014.7053247.
- [17] Y. Zhang, Z. Y. Dong, W. Kong, and K. Meng, “A Composite Anomali Detection System for Data-Driven Power Plant Condition Monitoring,” *IEEE Transactions on Industrial Informatics*, vol. PP, no. c, pp. 1–1, 2019, doi: 10.1109/tii.2019.2945366.
- [18] D. Preuveneers, I. Tsingenopoulos, and W. Joosen, “Resource Usage and Performance Trade-offs for Machine Learning Models in Smart Environments,” *Sensors*, vol. 20, no. 4, p. 1176, Feb. 2020, doi: 10.3390/s20041176.
- [19] R. J. Hyndman and G. Athanasopoulos, “Forecasting: Principles and Practice,” p. 504.
- [20] M. Ardian, “PERAMALAN JUMLAH POSITIF HARIAN PASIEN COVID-19 DENGAN MENGGUNAKAN MULTIVARIABLE DAN HYBRID ARIMA-LSTM,” M.Eng. thesis, Departemen Teknik Elektro dan Teknik Informasi, Universitas Gadjah Mada, Yogyakarta, Indonesia, 2022.
- [21] Jian Zheng, Cencen Xu, Ziang Zhang, and Xiaohua Li, “Electric load forecasting in smart grids using Long-Short-Term-Memory based Recurrent Neural Network,” in *2017 51st Annual Conference on Information Sciences and Systems (CISS)*, Baltimore, MD, USA, Mar. 2017, pp. 1–6. doi: 10.1109/CISS.2017.7926112.
- [22] S. H. and J. Schmidhuber, “Long Short-Term Memory,” *Neural Computation*, vol. 9, no. 8, pp. 1735–1780, 1997.
- [23] L. Pincioli, P. Baraldi, A. Shokry, E. Zio, R. Seraoui, and C. Mai, “A semi-supervised method for the characterization of degradation of nuclear power plants steam generators,” *Progress in Nuclear Energy*, vol. 131, p. 103580, Jan. 2021, doi: 10.1016/j.pnucene.2020.103580.
- [24] C. Willmott and K. Matsuura, “Advantages of the mean absolute error (MAE) over the root mean square error (RMSE) in assessing average model performance,” *Clim. Res.*, vol. 30, pp. 79–82, 2005, doi: 10.3354/cr030079.
- [25] R. Kaundal, A. S. Kapoor, and G. P. Raghava, “Machine learning techniques

- in disease forecasting: a case study on rice blast prediction,” *BMC Bioinformatics*, vol. 7, no. 1, p. 485, Dec. 2006, doi: 10.1186/1471-2105-7-485.
- [26] S. Baran and D. Nemoda, “Censored and shifted gamma distribution based EMOS model for probabilistic quantitative precipitation forecasting,” *Environmetrics*, vol. 27, no. 5, pp. 280–292, Aug. 2016, doi: 10.1002/env.2391.
- [27] G. E. Dahl, Dong Yu, Li Deng, and A. Acero, “Context-Dependent Pre-Trained Deep Neural Networks for Large-Vocabulary Speech Recognition,” *IEEE Trans. Audio Speech Lang. Process.*, vol. 20, no. 1, pp. 30–42, Jan. 2012, doi: 10.1109/TASL.2011.2134090.
- [28] E. P. Costa, “A Review of Performance Evaluation Measures for Hierarchical Classifiers,” p. 6, 2007.
- [29] G. Raman MR, N. Somu, and A. P. Mathur, “A multilayer perceptron model for anomali detection in water treatment plants,” *International Journal of Critical Infrastructure Protection*, vol. 31, p. 100393, 2020, doi: 10.1016/j.ijcip.2020.100393.