

Daftar Pustaka

- [1] Kementerian ESDM RI, “Capaian Kinerja Sektor Esdm Tahun 2023 Dan Target 2024,” pp. 1–35, 2024.
- [2] A. Ihsam, Darmadi, S. Uttunggadewa, S. Rahmawati, I. Giovanni, and S. Himawan, “Multi-Layer LSTM Implementation in Operational Condition Forecasting of a Natural Gas Transmission Pipeline Network,” 2022, pp. 244–249. doi: 10.1109/ICOIACT55506.2022.9971837.
- [3] M. Mohamed, H. Lazim, and W. Osman, “Preventive Maintenance: Some Operations and Technology Related Practices at a Malaysian Oil and Gas Firm,” *J. Adv. Res. Appl. Sci. Eng. Technol.*, vol. 31, pp. 1–18, 2023, doi: 10.37934/araset.31.2.118.
- [4] I. Ahmed, A. Dagnino, and Y. Ding, “Unsupervised Anomaly Detection Based on Minimum Spanning Tree Approximated Distance Measures and its Application to Hydropower Turbines,” *IEEE Trans. Autom. Sci. Eng.*, vol. 16, no. 2, pp. 654–667, 2019, doi: 10.1109/TASE.2018.2848198.
- [5] M. Elsayed, N.-A. Le-Khac, S. Dev, and A. Jurcut, “Network Anomaly Detection Using LSTM Based Autoencoder,” 2020.
- [6] S. Aljameel *et al.*, “An Anomaly Detection Model for Oil and Gas Pipelines Using Machine Learning,” *Computation*, vol. 10, p. 138, 2022, doi: 10.3390/computation10080138.
- [7] S. Lee *et al.*, “Smart Metering System Capable of Anomaly Detection by Bi-directional LSTM Autoencoder,” *Dig. Tech. Pap. - IEEE Int. Conf. Consum. Electron.*, vol. 2022-January, 2022, doi: 10.1109/ICCE53296.2022.9730398.
- [8] A. Raihan and I. Ahmed, “A Bi-LSTM Autoencoder Framework for Anomaly Detection -- A Case Study of a Wind Power Dataset.” 2023.
- [9] B. S. Lee, J. C. Kaufmann, D. M. Rizzo, and I. U. Haq, “Peak Anomaly Detection from Environmental Sensor-Generated Watershed Time Series Data,” in *Information Management and Big Data*, 2023, pp. 142–157.
- [10] S. Aljbali and K. Roy, “Anomaly Detection Using Bidirectional LSTM,” 2021, pp. 612–619. doi: 10.1007/978-3-030-55180-3_45.
- [11] P. TS and P. Shrinivasacharya, “Evaluating neural networks using Bi-Directional LSTM for network IDS (intrusion detection systems) in cyber security,” *Glob. Transitions Proc.*, vol. 2, no. 2, pp. 448–454, 2021, doi: <https://doi.org/10.1016/j.gltp.2021.08.017>.
- [12] D. Pan, Z. Song, L. Nie, and B. Wang, “Satellite Telemetry Data Anomaly Detection Using Bi-LSTM Prediction Based Model,” 2020, pp. 1–6. doi: 10.1109/I2MTC43012.2020.9129010.
- [13] X. Duan, Y. Fu, and K. Wang, “Data Preprocessing Technology in Network Traffic Anomaly Detection,” 2023, pp. 227–235. doi: 10.1007/978-981-99-0880-6_25.
- [14] L. Feng *et al.*, “Anomaly detection for electricity consumption in cloud computing: framework, methods, applications, and challenges,” *EURASIP J. Wirel. Commun. Netw.*, vol. 2020, 2020, doi: 10.1186/s13638-020-01807-0.
- [15] T. Barszcz and M. Zabaryłło, “Fault detection method based on an automated operating envelope during transient states for the large turbomachinery,” *J. Vibroengineering*, vol. 24, 2022, doi: 10.21595/jve.2021.22165.
- [16] D. Divya, B. Marath, and M. B. Kumar, “Review of fault detection techniques for predictive maintenance,” *J. Qual. Maint. Eng.*, vol. 29, 2022, doi: 10.1108/JQME-10-2020-0107.
- [17] A. Lis, Z. Dworakowski, and P. Czubak, “An anomaly detection method for rotating machinery monitoring based on the most representative data,” *J. Vibroengineering*, vol. 23, 2021, doi: 10.21595/jve.2021.21622.
- [18] P. Mallioris, E. Aivazidou, and D. Bechtsis, “Predictive maintenance in Industry 4.0: A systematic multi-sector mapping,” *CIRP J. Manuf. Sci. Technol.*, vol. 50, pp. 80–103, 2024, doi: 10.1016/j.cirpj.2024.02.003.
- [19] Y. Cao, J. Cao, Z. Zhou, and Z. Liu, “Aircraft Track Anomaly Detection Based on MOD-Bi-LSTM,” *Electronics*, vol. 10, no. 9, 2021, doi: 10.3390/electronics10091007.

- [20] W.A. Firmansyach, U. Hayati, and Y.A. Wijaya, "Analisa Terjadinya Overfitting dan Underfitting pada Algoritma Naive Bayes dan Decision Tree dengan Teknik Cross Validation," 2023, *JATI Vol. 7 No. 1*, pp. 262-269. doi: 10.36040/jati.v7i1.6329
- [21] T.B. Choir, "Multivariate Time Series Anomaly Detection Dengan Metode Long Short Term Memory Untuk Validasi Data Kelembaban Tanah," 2022.