

DAFTAR PUSTAKA

- [1] Arief, "1545 Gardu Terdampak Banjir dan Longsor, PLN kerahkan Ratusan Personil Gerebek Penormalan Kelistrikan Sumbar," rakyatsumbar. Accessed: Jun. 24, 2025. [Online]. Available: <https://rakyatsumbar.id/1545-gardu-terdampak-banjir-dan-longsor-pln-kerahkan-ratusan-personil-gerebek-penormalan-kelistrikan-sumbar/>
- [2] A. Kasap, R. Hagem, and A. Y. Mohammed, "Survey on Monitoring Systems for High Voltage Transmission Line Based on IOT Rabee Moafaq Hagem," 2020. [Online]. Available: <https://www.researchgate.net/publication/353749317>
- [3] "Interpretable Rainfall Forecasting Using SHAP-Enhanced Machine Learning: A Case Study on U.S. Urban Climate Data (2024–2025)," *Journal of Artificial Intelligence and Metaheuristics*, vol. 9, no. 2, 2025, doi: 10.54216/JAIM.090203.
- [4] R. Tsela, S. Maladaki, and S. Kolios, "An integrated, automated and modular approach for real-time weather monitoring of surface meteorological variables and short-range forecasting using machine learning," *Environmental Modelling & Software*, p. 106203, Jan. 2024, doi: 10.1016/j.envsoft.2024.106203.
- [5] G. C. Jaiswal, M. S. Ballal, H. M. Surywanshi, and M. Wath, "Diagnostic Approach and Condition Monitoring Methods to Boost up the Reliability of Transformer," in *Proceedings of 2020 IEEE 1st International Conference on Smart Technologies for Power, Energy and Control, STPEC 2020*, Institute of Electrical and Electronics Engineers Inc., Sep. 2020. doi: 10.1109/STPEC49749.2020.9297687.
- [6] A. Iqbal, "Advanced Energy Forecasting Using IoT-Enabled SCADA Systems."
- [7] W.-L. Chan, "Link to published version: City Research Online INTEGRATED MONITORING AND CONTROL FOR INTELLIGENT POWER SUBSTATIONS," 1999.
- [8] A. Duncan, A. P. Duncan, E. C. Keedwell, S. Djordjević, and D. A. Savić, "ORE Open Research Exeter TITLE Machine Learning-Based Early Warning System for Urban Flood Management A NOTE ON VERSIONS MACHINE LEARNING-BASED

EARLY WARNING SYSTEM FOR URBAN FLOOD MANAGEMENT,” 2013. [Online]. Available: <http://hdl.handle.net/10871/13543>

- [9] B. Rashid and M. H. Rehmani, “Applications of wireless sensor networks for urban areas: A survey,” Jan. 01, 2016, *Academic Press*. doi: 10.1016/j.jnca.2015.09.008.
- [10] “The implementation of real-time weather forecasting system using Internet of Things and machine learning”.
- [11] M. M. Taye, “Understanding of Machine Learning with Deep Learning: Architectures, Workflow, Applications and Future Directions,” May 01, 2023, *MDPI*. doi: 10.3390/computers12050091.
- [12] E. Horvitz and D. Mulligan, “Data, privacy, and the greater good,” *Science (1979)*, vol. 349, no. 6245, pp. 253–255, Jul. 2015, doi: 10.1126/science.aac4520.
- [13] P. Singh, I. Cruz, R. Mendoza, N. Kim, S. Patel, and A. Martinez, “Developing a Hybrid Weather Prediction Model Using Machine Learning and Traditional Forecasting Techniques,” 2024, doi: 10.13140/RG.2.2.23529.20328.
- [14] D. Sharma, “Machine Learning Based Crop Prediction and Recommendation System,” *Int J Res Appl Sci Eng Technol*, vol. 13, no. 5, pp. 3078–3085, May 2025, doi: 10.22214/ijraset.2025.70844.
- [15] R. Mao, X. Shi, and Z. Shi, “A Decision Tree Classification Algorithm Based on Two-Term RS-Entropy,” *Entropy*, vol. 27, no. 10, p. 1069, Oct. 2025, doi: 10.3390/e27101069.
- [16] A. Asghar Rostami, M. Taghi Sattari, H. Apaydin, and A. Milewski, “Modeling Flood Susceptibility Utilizing Advanced Ensemble Machine Learning Techniques in the Marand Plain,” *Geosciences (Switzerland)*, vol. 15, no. 3, Mar. 2025, doi: 10.3390/geosciences15030110.
- [17] J. Zhang, M. Yang, N. Dong, and Y. Wang, “Machine-Learning-Based Ensemble Prediction of the Snow Water Equivalent in the Upper Yalong River Basin,” *Sustainability (Switzerland)*, vol. 17, no. 9, May 2025, doi: 10.3390/su17093779.
- [18] M. H. Schraven, K. Droste, C. G. C. Carducci, D. Müller, and A. Monti, “Open-Source Internet of Things Gateways for Building Automation Applications,”

Journal of Sensor and Actuator Networks, vol. 11, no. 4, Dec. 2022, doi: 10.3390/jsan11040074.

- [19] T. Filho *et al.*, "A standard-based internet of things platform and data flow modeling for smart environmental monitoring," *Sensors*, vol. 21, no. 12, Jun. 2021, doi: 10.3390/s21124228.
- [20] H. J. Jara Ochoa, R. Peña, Y. Ledo Mezquita, E. Gonzalez, and S. Camacho-Leon, "Comparative Analysis of Power Consumption between MQTT and HTTP Protocols in an IoT Platform Designed and Implemented for Remote Real-Time Monitoring of Long-Term Cold Chain Transport Operations," *Sensors*, vol. 23, no. 10, May 2023, doi: 10.3390/s23104896.
- [21] Naik, *Choice of Effective Messaging Protocols for IoT Systems: MQTT, CoAP, AMQP and HTTP*. IEEE, 2017.
- [22] P. E. da Costa Filho *et al.*, "Machine-Learning-Based Classification of Electronic Devices Using an IoT Smart Meter," *Informatics*, vol. 12, no. 2, p. 48, May 2025, doi: 10.3390/informatics12020048.
- [23] Y. H. Chang, F. C. Wu, and H. W. Lin, "Design and Implementation of ESP32-Based Edge Computing for Object Detection," *Sensors*, vol. 25, no. 6, Mar. 2025, doi: 10.3390/s25061656.
- [24] C. L. Kok, J. B. Heng, Y. Y. Koh, and T. H. Teo, "Energy-, Cost-, and Resource-Efficient IoT Hazard Detection System with Adaptive Monitoring," *Sensors*, vol. 25, no. 6, Mar. 2025, doi: 10.3390/s25061761.
- [25] G. Ovando-Leon, L. Veas-Castillo, V. Gil-Costa, and M. Marin, "Bot-Based Emergency Software Applications for Natural Disaster Situations," *Future Internet*, vol. 14, no. 3, Mar. 2022, doi: 10.3390/fi14030081.
- [26] M. I. Tarrés-Puertas, L. Brosa, A. Comerma, J. M. Rossell, and A. D. Dorado, "Architecting an Open-Source IIoT Framework for Real-Time Control and Monitoring in the Bioleaching Industry," *Applied Sciences (Switzerland)*, vol. 14, no. 1, Jan. 2024, doi: 10.3390/app14010350.
- [27] O. Blanco-Novoa, T. M. Fernández-Caramés, P. Fraga-Lamas, and L. Castedo, "A cost-effective IoT system for monitoring indoor radon gas concentration," *Sensors (Switzerland)*, vol. 18, no. 7, Jul. 2018, doi: 10.3390/s18072198.

- [28] R. Finistrosa, C. Mañoso, Á. P. de Madrid, and M. Romero, “Low-Cost IoT and LoRaWAN-Based System for Laying Hen Identification in Family Poultry Farms,” *Applied Sciences (Switzerland)*, vol. 15, no. 9, May 2025, doi: 10.3390/app15094856.

