

## DAFTAR PUSTAKA

- [1] R. Amelia, R. Ardianto Priramadhi, and W. A. Cahyadi, “Alat Pendekripsi Gempa Bumi Menggunakan Omron D7s dan Menampilkan Di Running Text Berbasis Artificial Neural Network,” 2021.
- [2] H. Sri Naryanto, “Analisis Potensi Kegempaan dan Tsunami Di Kawasan Pantai Barat Lampung Kaitannya dengan Mitigasi dan Penataan Kawasan.”
- [3] R. Kurniawati and M. A. Murti, “Literature Study on the Use of Sensors for Earthquake Detection System,” *Proceedings Series on Physical & Formal Sciences*, vol. 1, pp. 1–7, Oct. 2021, doi: 10.30595/pspfs.v1i.126.
- [4] S. Marhain, A. N. Ahmed, M. A. Murti, P. Kumar, and A. El-Shafie, “Investigating the application of artificial intelligence for earthquake prediction in Terengganu,” *Natural Hazards*, vol. 108, no. 1, pp. 977–999, Aug. 2021, doi: 10.1007/s11069-021-04716-7.
- [5] A. Haviz Fajri, M. Ary Murti, and R. Ardianto Priramadhi, “Perancangan Alat Peringatan Dini Terhadap Gempa Bumi Menggunakan Sensor Getar Omron D7S”.
- [6] R. Kurniawati, M. A. Murti, and M. Z. Romdlony, *Perancangan Sensor Gempa Menggunakan Akselerometer dan Algoritma Pembelajaran Mesin*. 2021.
- [7] E. Husni and F. Laumal, “The Development of an Earthquake Early Warning System Using an ADXL335 Accelerometer,” *2018 21st Saudi Computer Society National Computer Conference (NCC)*, pp. 1–5, 2018.
- [8] A. E. Ruano, G. Madureira, O. Barros, H. R. Khosravani, M. G. Ruano, and P. M. Ferreira, “A Support Vector Machine Seismic Detector for Early-Warning Applications,” in *IFAC Proceedings Volumes (IFAC-PapersOnline)*, 2013, vol. 3, no. PART 1, pp. 405–410. doi: 10.3182/20130902-3-CN-3020.00082.
- [9] S. Diersen, E. J. Lee, D. Spears, P. Chen, and L. Wang, “Classification of Seismic Windows Using Artificial Neural Networks,” in *Procedia Computer Science*, 2011, vol. 4, pp. 1572–1581. doi: 10.1016/j.procs.2011.04.170.
- [10] H. S. Kuyuk and O. Susumu, “Real-Time Classification of Earthquake using Deep Learning,” in *Procedia Computer Science*, 2018, vol. 140, pp. 298–305. doi: 10.1016/j.procs.2018.10.316.

- [11] A. Reynen and P. Audet, “Supervised Machine Learning On a Network Scale: Application to Seismic Event Classification and Detection,” *Geophysical Journal International*, vol. 210, no. 3, pp. 1394–1409, Sep. 2017, doi: 10.1093/gji/ggx238.
- [12] M. A. Abu-Elsoud, A.-E. M. Amin, and M. Mahana, “Classification of Seismic Events in Suez Gulf Area, Egypt Using Artificial Neural Network,” in *International Conference on Electrical, Electronic and Computer Engineering*, 2004, pp. 337–340.
- [13] P. S. Dysart and J. J. Pulli, “Regional seismic event classification at the NORESS array: Seismological measurements and the use of trained neural networks,” 1990.
- [14] F. U. Dowla, S. R. Taylor, and R. W. Anderson, “Seismic Discrimination with Artificial Neural Networks: Preliminary Results with Regional Spectral Data,” 1990.
- [15] Y. Essam, P. Kumar, A. N. Ahmed, M. A. Murti, and A. El-Shafie, “Exploring the reliability of different artificial intelligence techniques in predicting earthquake for Malaysia,” *Soil Dynamics and Earthquake Engineering*, vol. 147, Aug. 2021, doi: 10.1016/j.soildyn.2021.106826.
- [16] W. Chen, H. Lu, M. Wang, and C. Fang, “Gene Expression Data Classification Using Artificial Neural Network Ensembles Based on Samples Filtering,” in *2009 International Conference on Artificial Intelligence and Computational Intelligence, AICI 2009*, 2009, vol. 1, pp. 626–628. doi: 10.1109/AICI.2009.441.
- [17] Q. Alya, *Kamus Bahasa Indonesia untuk Pendidikan Dasar*. PT INDAHJAYA Adipratama, 2011. Accessed: Oct. 21, 2021. [Online]. Available: <http://balai3.denpasar.bmkg.go.id/tentang-gempa>
- [18] I. Anugerah, R. Ardianto Piramadhi, and W. Anugrah Cahyadi, “Rancang Bangun Alarm Gempa Menggunakan Geophone Berbasis Artificial Neural Network,” 2021.
- [19] R. M. Devinta, A. Muis, E. Jokolelono, P. Studi, M. Pembangunan, and W. Pedesaan, “Analisis Dampak Sosial Ekonomi Pasca Bencana Di Desa Sibalaya Utara Kecamatan Tanambulava Kabupaten Sigi,” vol. 9, pp. 216–225, 2021.
- [20] S. Dewi Damayanti, M. Suryanegara, I. Ketut Agung Enriko, and M. Imam Nashiruddin, “Designing A LoRa-Based Panic Button for Bali Smart Island Project,” 2019.

- [21] P. Boccadoro, B. Montaruli, and L. Alfredo Grieco, “Proceedings of the 23rd IEEE/ACM International Symposium on Distributed Simulation and Real Time Applications,” *Proceedings of the 23rd IEEE/ACM International Symposium on Distributed Simulation an Real Time Applications*, 2019.
- [22] K. Candra Pradana, A. Rinaldi, and M. Syazali, *Analisis Deret Waktu untuk Prediksi Gempa Bumi di Provinsi Lampung Menggunakan Metode Autoregresive Integrated Moving Average (ARIMA)*. 2021.
- [23] I. Retno Palupi and W. Raharjo, “The Utilization of Signal Analysis by Using Short Time Fourier Transform,” in *RSF Conference Series: Engineering and Technology*, 2021, pp. 30–36.
- [24] J. W. Cooley, P. A. W. Lewis, and P. D. Welch, “The Fast Fourier Transform and Its Applications,” 1969.
- [25] M. N. Islam *et al.*, “Empirical mode decomposition coupled with fast fourier transform based feature extraction method for motor imagery tasks classification,” in *2020 IEEE 10th International Conference on System Engineering and Technology, ICSET 2020 - Proceedings*, Nov. 2020, pp. 256–261. doi: 10.1109/ICSET51301.2020.9265370.
- [26] M. Kanimozhi and R. Roselin, “Statistical Feature Extraction and Classification using Machine Learning Techniques in Brain-Computer Interface,” *International Journal of Innovative Technology and Exploring Engineering (IJITEE)*, vol. 9, no. 3, pp. 1754–1758, 2020, doi: 10.35940/ijitee.K2343.019320.
- [27] A. Abraham, “Artificial Neural Networks,” in *Handbook of Measuring System Design*, P. H Sydenham and R. Thorn, Eds. 2005.
- [28] Y. H. Lumban Gaol *et al.*, “Preliminary Results of Automatic P-Wave Regional Earthquake Arrival Time Picking Using Machine Learning with STA/LTA As the Input Parameters,” *IOP Conference Series: Earth and Environmental Science*, vol. 873, no. 1, p. 012060, Oct. 2021, doi: 10.1088/1755-1315/873/1/012060.
- [29] H. Ahmed and A. K. Nandi, “Classification Algorithm Validation,” in *Condition Monitoring with Vibration Signals: Compressive Sampling and Learning Algorithms for Rotating Machines*, IEEE, 2019, pp. 307–319. doi: 10.1002/9781119544678.ch15.
- [30] A. Ramadhani, A. Rusdinar, and A. Z. Fuadi, “Data Komunikasi Secara Real Time Menggunakan Long Range (LORA) Berbasis Internet of Things untuk

- Pembuatan Weather Station,” in *e-Proceeding of Engineering*, 2021, vol. 8, p. 4259.
- [31] Mainsuri *et al.*, “A 923 MHz Steerable Antenna for Low Power Wide Area Network (LPWAN),” in *2020 IEEE International Conference on Communication, Networks and Satellite, Comnetsat 2020 - Proceedings*, Dec. 2020, pp. 246–250. doi: 10.1109/Comnetsat50391.2020.9328990.
  - [32] L. Luzi *et al.*, “The engineering strong-motion database: A platform to access pan-European accelerometric data,” *Seismological Research Letters*, vol. 87, no. 4, pp. 987–997, Jul. 2016, doi: 10.1785/0220150278.
  - [33] K.-W. Lin and C. B. Worden, “Challenges in Rapid Ground Motion Estimation for the Prompt Assessment of Global Urban Earthquakes PAGER: Prompt Assessment of Global Earthquakes for Response View project,” 2006. [Online]. Available: <https://www.researchgate.net/publication/29770947>