

## DAFTAR PUSTAKA

- [1] Redhwan, Taufique Z; Chowdhury, Muneera; Rahman, Hafiz Abdur. (2014). “*A Neyman-Pearson Approach to the Development of Low Cost Earthquake Detection and Damage Mitigation System using Sensor Fusion*”. IEEE. <http://dx.doi.org/10.1109/ICECS.2014.7049954>
- [2] Okada, Keiichi; Nakamura, Yutaka; Saruta, Masaaki. (2009). “*Application of Earthquake Early Warning System to Seismic-Isolated Buildings*”. Journal of Disaster Research 4(4): 242-250.
- [3] Bormann, P., & Wielandt, E. (2013). Seismic Signals and Noise. In New Manual of Seismological Observatory Practice 2 (NMSOP2) (pp. 1-62). Potsdam : Deutsches GeoForschungsZentrum GFZ. DOI: 10.2312/GFZ.NMSOP-2\_ch4
- [4] Uygun, E. O. (2016). Comparison of Different Seismic Filtering Techniques on Prestack Inversion for Penobscot Area-Nova Scotia. Open Access Master's Thesis, Michigan Technological University. <https://doi.org/10.37099/mtu.dc.etr/214>
- [5] Mollova, G. (2007). Effects of Digital Filtering in Data Processing of Seismic Acceleration Records. EURASIP Journal on Advances in Signal Processing, 2007(29502), 9. doi: 10.1155/2007/29502
- [6] Al-Khateeb, Samer, Engin Mendi, and Coskun Bayrak. 2016. "A Comparative Analysis of Digital Filtering for Seismic Signals from Adana, Van, and Bingol Earthquakes in Turkey". N.p.: 2015 The 5th International Workshop on Computer Science and Engineering.
- [7] Mulgan, Geoff. (2018). “*Artificial intelligence and collective intelligence: the emergence of a new field*”. AI & Society 33: 631-632. <https://doi.org/10.1007/s00146-018-0861-5>
- [8] Kusumo, Budiarianto S; Heryana, Ana; Nugraheni, Ekasari; Rozie, Andri Fachrur. (2018). “*Recognizing Human Activities and Earthquake Vibration from Smartphone Accelerometers using LSTM Algorithm*”. 2018 International Conference on Computer, Control, Informatics and its Applications. <http://lipi.go.id/publikasi/recognizing-human-activities-and-earthquake-vibrati-on-from-smartphone-accelerometers-using-lstm-algorithm/27645>

- [9] Tehseen, Rabia; Farooq, Muhammad Shoaib; Abid, Adnan. (2020). “*Earthquake Prediction Using Expert Systems: A Systematic Mapping Study*”. Sustainability 2020 12(6), 2420. <https://doi.org/10.3390/su12062420>
- [10] Mei, Gang; Xu, Nengxiong; Qin, Jiayu; Wang, Bowen; Qi, Pian. (2020). “*A Survey of Internet of Things (IoT) for Geo-hazards Prevention: Applications, Technologies, and Challenges*”. IEEE Internet of Things Journal 7(5): 4371-4386. <http://dx.doi.org/10.1109/JIOT.2019.2952593>
- [11] Essam, Yussuf; Kumar, Pavitra; Ahmed, Ali Najah; Murti, Muhammad Ary: El-Shafie, Ahmed. (2021). “*Exploring the reliability of different artificial intelligence techniques in predicting earthquake for Malaysia*”. Soil Dynamics and Earthquake Engineering 147:106826. <http://dx.doi.org/10.1016/j.soildyn.2021.106826>
- [12] Kong, Qingkai; Trugman, Daniel T; Ross, Zachary E; Bianco, Michael J; Meade, Brendan J; Gerstoft, Peter. (2019). “*Machine Learning in Seismology: Turning Data into Insights*”. Seismological Research Letters (2019) 90(1): 3-14. <https://doi.org/10.1785/0220180259>
- [13] Djordjevic, M. (2004, Desember). Filtering Applications on Seismogram Analysis (abstract id. S31B-1050, Fall Meeting 2004 ed.). American Geophysical Union.
- [14] Boore, D. M., & Bommer, J. J. (2004, Februari 25). Processing of strong-motion accelerograms: needs, options and consequences. Soil Dynamics and Earthquake Engineering, 25(2), 93-115. <https://doi.org/10.1016/j.soildyn.2004.10.007>
- [15] Trnkoczy, A. (1999). Understanding and parameter setting of STA/LTA trigger algorithm. In New Manual of Seismological Observatory Practice 2 (NMSOP-2) (p. 20). IS 8.1. <http://nmsop.gfz-potsdam.de>
- [16] Hafez, A. G., Azim, A. A., Soliman, M. S., & Yayama, H. (2020, Januari 9). Real-time P-Wave Picking for Earthquake Early System Using Discrete Wavelet Transform. NRIAG Journal of Astronomy and Geophysics, 9(1), 1-6. DOI: 10.1080/20909977.2019.1698144
- [17] Kong, Q., Allen, R. M., Schreier, L., & Kwon, Y.-W. (2016, Februari 12). MyShake: A Smartphone Seismic Network for Earthquake Early Warning and Beyond. Science Advances, 2(2), 1-8. doi: 10.1126/sciadv.1501055

- [18] Scripps Institution of Oceanography. (1986). Global Seismograph Network - IRIS/IDA [Data set]. International Federation of Digital Seismograph Networks. <https://doi.org/10.7914/SN/II>
- [19] Millen, M. D. L. (2022). *Eqsig documentation version 1.2.10*. Univ. of Canterbury, Christchurch, New Zealand. <https://eqsig.readthedocs.io/en/latest/index.html>
- [20] Douglas, J. (2003, April). Earthquake Ground Motion Estimation Using Strong-Motion Records: A Review of Equations for the Estimation of Peak Ground Acceleration and Response Spectral Ordinates. *Earth Science Reviews*, 61(1-2), 43-104. [https://doi.org/10.1016/S0012-8252\(02\)00112-5](https://doi.org/10.1016/S0012-8252(02)00112-5)
- [21] Douglas, J. (2022, Maret 31). Ground Motion Predictions Equations 1964-2021. GMPE Compendium. <http://www.gmpe.org.uk/>
- [22] Beyreuther, M., Barsch, R., Krischer, L., Megies, T., Behr, Y., & Wassermann, J. (2010, May). ObsPy: A Python Toolbox for Seismology. *Seismological Research Letters*, 81(3), 530-533. doi: 10.1785/gssrl.81.3.530  
[http://www.seismosoc.org/publications/SRL/SRL\\_81/srl\\_81-3\\_es/](http://www.seismosoc.org/publications/SRL/SRL_81/srl_81-3_es/)
- [23] Megies, T., Beyreuther, M., Barsch, R., Krischer, L., & Wassermann, J. (2011, April 8). ObsPy - What can it do for data centers and observatories? *Annals of Geophysics*, 54(1), 47-58. DOI: <https://doi.org/10.4401/ag-4838>  
<http://www.annalsofgeophysics.eu/index.php/annals/article/view/4838>
- [24] Kirscher, L., Megies, T., Barsch, R., Beyreuther, M., Lecocq, T., Caudron, C., & Wassermann, J. (2015, May 18). ObsPy: a bridge for seismology into the scientific Python ecosystem. *Computational Science & Discovery*, 8(1), 014003. DOI: 10.1088/1749-4699/8/1/014003  
<https://iopscience.iop.org/article/10.1088/1749-4699/8/1/014003>
- [25] Khan, I., Choi, S., & Kwon, Y.-W. (2020). Earthquake Detection in a Static and Dynamic Environment Using Supervised Machine Learning and a Novel Feature Extraction Method. *Sensors*, 20(3), 800. <https://doi.org/10.3390/s20030800>
- [26] Saritas, M. M., & Yasar, A. (2019, Juni). Performance Analysis of ANN and Naive Bayes Classification Algorithm for Data Classification. *International Journal of Intelligent Systems and Applications in Engineering*, 7(2), 88-91. <https://doi.org/10.18201/ijisae.2019252786>

- [27] Netti, K., & Radhika, D. Y. (2016). An efficient Naïve Bayes classifier with negation handling for seismic hazard prediction. In 2016 10th International Conference on Intelligent Systems and Control (ISCO) (pp. 1-4). IEEE. DOI: 10.1109/ISCO.2016.7726906