

DAFTAR PUSTAKA

- [1] L. Nur Rais, "ANALISIS BENCANA GEMPA BUMI DAN MITIGASI BENCANA DI DAERAH KERTASARI," JSG, vol. 4, no. 2, pp. 14–19, Aug. 2021, doi: HYPERLINK "https://doi.org/10.33059/jsg.v4i2.3773" 10.33059/jsg.v4i2.3773 .
- [2] "BMKG (Badan Meteorologi, Klimatologi, dan Geofisika)," Online. Available: <https://www.bmkg.go.id/>, Jul. 2024.
- [3] Gempa 6,4 SR di Banten, Warga Kota Serang Panik, Online. Available: <https://news.okezone.com/read/2018/01/23/340/1848966/gempa-6-sr-di-banten-warga-kota-serang-panik>. Jul. 2024.
- [4] Y. Priyana, F. E. Laumal, and E. Husni, "Development of Earthquake Early Warning System using ADXL335 Accelerometer," Proc. Int. Conf. Satell. Technol., no. March 2018, pp. 81–85, 2017.
- [5] C. Duenas dan M. C. Fernandez, "Temporal Variations in Soil Gas Radon: Any Possible Relation to Earthquakes?," Tectonophysics, vol. 152, pp. 137- 145, 1988.
- [6] C.-Y. King and M. Manga, "Hydrological, Geochemical and Geophysical Changes Related to Earthquakes and Slow-Slip Events: Introduction," Pure and Applied Geophysics, vol. 175, no. 7, pp. 2407–2409, Jul. 2018, doi: HYPERLINK "https://doi.org/10.1007/s00024-018-1923-9" 10.1007/s00024-018-1923-9 .
- [7] P. Richon, J. -C. Sabroux, M. Halbwachs, J. Vandemeulebrouck, N. Poussielgue, J. Tabbagh dan R. Punongbayan, "Radon anomaly in the soil of Taal volcano, the Philippines: A likely precursor of the M 7.1 Mindoro earthquake (1994)," GEOPHYSICAL RESEARCH LETTERS, vol. 30, no. 9, pp. 1-4, 2003.
- [8] G. IGARASHI, S. SAEKI, N. TAKAHATA, K. SUMIKAWA, S. TASAKA, Y. SASAKI, M. TAKAHASHI and Y. SANO, "Ground-Water Radon Anomaly Before the Kobe Earthquake in Japan," Science, vol. 269, no. 5220, pp. 60-61, 1995.
- [9] USGS, "Can you predict earthquakes?," USGS, 2022.
- [10] Aqim Wajhiki Lillah, "Algoritma Prediksi Waktu Gempa Bumi Untuk Peringatan Dini Gempa Bumi Berdasarkan Fluktuasi Gas Radon di Stasiun Bantul," Yogyakarta, 2023.
- [11] Azkia Mareta Winarningtyas, "Predikai Magnitudo Gempa Bumi Untuk Sistem Peringatan Dini Gempa Bumi Dengan Algoritma Berdasarkan Pola Fluktuasi Gas Radon," Yogyakarta, 2023.

- [12] Iva Rela Andani, “Algoritma Prediksi Jarak Episentrum Gempa Bumi Terhadap Stasiun Pemantauan Gas Radon Jarak Jauh Untuk Sistem Peringatan Dini Gempa Bumi,” Yoagyakarta, 2023.
- [13] I. Setyowidodo and B. Jaya Santosa, “ANALISIS SEISMOGRAM TIGA KOMPONEN TERHADAP MOMENT TENSOR GEMPA BUMI DI MANOKWARI PAPUA 03 JANUARI 2009,” 2011.
- [14] Q. Ye, R. Singh, A. He, S. Ji, and C. Liu, “Characteristic Behavior of Water Radon Associated with Wenchuan and Lushan Earthquakes Along Longmenshan Fault,” *Radiation Measurements*, vol. 76, Apr. 2015, doi: [HYPERLINK "https://doi.org/10.1016/j.radmeas.2015.04.001"](https://doi.org/10.1016/j.radmeas.2015.04.001) 10.1016/j.radmeas.2015.04.001.
- [15] Sunarno, H. L. Firdaus, Y. F. Luckyarno, M. M. Waruwu, and R. Wijaya, “DETECTION SYSTEM FOR DETERMINISTIC EARTHQUAKE PREDICTION BASED ON RADON CONCENTRATION CHANGES IN INDONESIA,” vol. 15, 2020.
- [16] B. Sunardi, A. E. Sakya, S. Rohadi, D. Ngadmanto, P. Susilanto, and S. Pakpahan, “REAL TIME OBSERVATION SYSTEM FOR EARTHQUAKE PRECURSORS STUDY IN YOGYAKARTA,” 2016.
- [17] A. Tio, and M. Makhsun, “Monitoring System Of Radon Gas Concentration In Groundwater In Real-Time For Earthquake Detection,” *SEOI*, vol. 4, no. 1, pp. 1–13, Mar. 2022, doi: [HYPERLINK "https://doi.org/10.36441/seoi.v4i1.752"](https://doi.org/10.36441/seoi.v4i1.752) 10.36441/seoi.v4i1.752 .
- [18] T. O. Pratama, “Earthquake Early Warning System Based on Radon Gas Concentration and Groundwater Level Fluctuation at Yogyakarta Region-Indonesia,” 2021.
- [19] B. Sunardi, “Variasi gas Radon dan aktivitas kegempaan di sekitar patahan Opak,” *J. Lingkungan. Dan Bencana Geol.*, vol. 9, no. 1, pp. 11–20, 2018.
- [20] M. Mokhtari et al., “Perspective Chapter: A Global View of Natural Hazards Related Disasters,” in *Natural Hazards - New Insights*, IntechOpen, 2023.
- [21] A. S. Elnashai and L. D. Sarno, *Fundamentals of Eartquake Engineering*. UK: John Wiley & Sons, Ltd, 2008.
- [22] A. . S. Elnashai and L. D. Sarno, *Fundamentals of Earthquake Engineering: From Source to Fragility* , Second Edition. Chichester: John Wiley & Sons, Ltd, 2015.
- [23] J. P. R. A. E. Sciences Earth, *Plate Tectonics, Volcanoes, and Earthquakes*. The Rosen Publishing Group, Inc, 2010
- [24] M. Wilkening, *Radon in Environment*, New York: Elseiver, 1990.

- [25] “Radon,” Universitas STEKOM, [Online]. Available: <https://p2k.stekom.ac.id/ensiklopedia/Radon>.
- [26] S. DAmico, Ed., ‘Earthquake Research and Analysis - Statistical Studies, Observations and Planning’. InTech, Mar. 02, 2012. doi: 10.5772/2461.
- [27] R. Nascimento, A. Neto, Y. Shalom, H. Nascimento, L. Lucena, and J. Freitas, “A new hybrid optimization approach using PSO, Nelder-Mead Simplex and Kmeans clustering algorithms for 1D Full Waveform Inversion,” PLOS ONE, vol. 17, p. e0277900, Dec. 2022, doi: 10.1371/journal.pone.0277900.
- [28] S. K. Jha, P. Prusty, A. Sahu, V. S. Srivastava, and M. S. Kulkarni, “Study on radon (222Rn) emanation coefficient and mass exhalation rate from heavy minerals of high specific gravity,” *Journal of Radioanalytical and Nuclear Chemistry*, vol. 328, no. 1, pp. 339–346, Apr. 2021, doi: [10.1007/s10967-021-07648-5](https://doi.org/10.1007/s10967-021-07648-5).
- [29] S. Pulinets, D. Ouzounov, A. Karelin and K. Boyarchuk, *Earthquake Precursors in the Atmosphere and Ionosphere*, Dordrecht: Springer, 2022.
- [30] M. Böse, M. Erdik and F. Wenzel, "A New Approach to Earthquake Early Warning," in *Earthquake Early Warning Systems*, Berlin, 2007.
- [31] W. H. Lee, L. T. Shin and T. L. Teng, "Design and Implementation of Earthquake Early Warning Systems in Taiwan," in *Eleventh World Conference on Earthquake Engineering*, Acapulco, 1996.
- [32] Allen, C. R., Edwards, W., Hall, W. J., Knopoff, L., Raleigh, C. B., Savit, C. H., Toksoz, M. N., and Turner, R. H., 1976. *Predicting Earthquakes: A Scientific and Technical Evaluation – With Implications for Society*. Panel on Earthquake Prediction of the Committee on Seismology, Assembly of Mathematical and Physical Sciences, National Research Council. Washington, DC.: U.S. National Academy of Sciences.
- [33] G. L. dan A. M. Alberto Carpinteri, *Acoustic, Electromagnetic, Neutron Emissions from Fracture and Earthquakes*. Cham, Switzerland: Springer International Publishing, 2015.
- [34] S. Djamil, "Kamus Terbaru Bahasa Indonesia," Bangka Belitung, Tim Reality Publisher, 2008.
- [35] A. Zein and E. S. Eriana, “ALGORITMA DAN STRUKTUR DATA”.
- [36] Y. Bozorgnia and V. V. Bertero, *Earthquake Engineering: From Engineering Seismology to Performance-Based Engineering*. CRC Press, 2004.
- [37] A. H. F. Robertson and D. Mountrakis, *Tectonic Development of the Eastern Mediterranean Region*. Geological Society of London, 2006.

- [38] J. Wu, *Advances in K-means Clustering: A Data Mining Thinking*. in Springer Theses. Berlin, Heidelberg: Springer Berlin Heidelberg, 2012. doi: 10.1007/978-3-642-29807-3.
- [39] R. Nascimento, A. Neto, Y. Shalom, H. Nascimento, L. Lucena, and J. Freitas, “A new hybrid optimization approach using PSO, Nelder-Mead Simplex and Kmeans clustering algorithms for 1D Full Waveform Inversion,” *PLOS ONE*, vol. 17, p. e0277900, Dec. 2022, doi: 10.1371/journal.pone.0277900.
- [40] D. Pratap, *Statistics for Machine Learning*. Packt Publishing, 2017.
- [41] L. Rokach and O. Maimon, “Clustering Methods,” in *In Data Mining and Knowledge Discovery Handbook*, Boston: MA:Springer US, 2005, pp. 321–352.
- [42] A. Tiwari, “Chapter 2 - Supervised learning: From theory to applications,” in *Artificial Intelligence and Machine Learning for EDGE Computing*, R. Pandey, S. K. Khatri, N. kumar Singh, and P. Verma, Eds., Academic Press, 2022, pp. 23–32. doi: <https://doi.org/10.1016/B978-0-12-824054-0.00026-5>.
- [43] A. S. Elnashai dan L. D. Sarno, *Fundamentals of Eartquake Engineering*. United Kingdom: John Wiley & Sons, Ltd, 2008.
- [44] Fidei Felix D. H., “Mekanisme dan Algoritma Sistem Peringatan Dini Gempa Bumi Berdasarkan Fluktuasi Konsentrasi Gas Radon Stasiun Telemonitoring Padang,” Yogyakarta, 2024.
- [45] Aldi Alfiandiansyah, “Mekanisme dan Algoritma Sistem Peringatan Dini Gempa Bumi Berdasarkan Fluktuasi Radon di Stasiun Telemonitoring Kupang,” Yogyakarta, 2024.
- [46] Afnan Daffa, “Rancang Bangun Algoritma Sistem Peringatan Dini Gempa Bumi Berdasarkan Fluktuasi Konsentrasi Gas Radon di Stasiun Telemonitoring Kebumen,” Yogyakarta, 2024.