

DAFTAR PUSTAKA

- Ahmadzadeh, S., Doloei, G. J., & Zafarani, H. (2020). Ground Motion to Intensity Conversion Equations for Iran. *Pure and Applied Geophysics*, 177(11), 5435–5449. <https://doi.org/10.1007/s00024-020-02586-x>
- Atkinson, G. M., & Kaka, S. I. (2007). Relationships between felt intensity and instrumental ground motion in the Central United States and California. *Bulletin of the Seismological Society of America*, 97(2), 497–510. <https://doi.org/10.1785/0120060154>
- Badan Pusat Statistik Kota Semarang. (2024). *Kota Semarang dalam Angka 2024* (Vol. 51). Badan Pusat Statistik Kota Semarang.
- Candra, A. D., & Santosa, B. J. (2015). Relokasi Gempa Utama dan Susulan Mentawai 7,8Mw dan Implikasinya terhadap Seismotektonik Sumatra. *Jurnal Fisika Dan Aplikasinya*, 11(2), 64–67.
- Caprio, M., Tarigan, B., Bruce Worden, C., Wiemer, S., & Wald, D. J. (2015). Ground motion to intensity conversion equations (GMICEs): A global relationship and evaluation of regional dependency. *Bulletin of the Seismological Society of America*, 105(3), 1476–1490. <https://doi.org/10.1785/0120140286>
- Donovan, N. C. (1973). A Statistical Evaluation of Strong Motion Data Including The February 9, 1971 San Fernando Earthquake. *Proceedings of Fifth World Conference on Earthquake Engineering*, 1252–1261.
- Du, K., Ding, B., Luo, H., & Sun, J. (2019). Relationship between peak ground acceleration, peak ground velocity, and macroseismic intensity in Western China. *Bulletin of the Seismological Society of America*, 109(1), 284–297. <https://doi.org/10.1785/0120180216>
- Faenza, L., & Michelini, A. (2010). Regression analysis of MCS intensity and ground motion parameters in Italy and its application in ShakeMap. *Geophysical Journal International*, 180(3), 1138–1152. <https://doi.org/10.1111/j.1365-246X.2009.04467.x>
- Frederick K. Lutgens, & Edward J. Tarbuck. (1982). *Essentials of Geology 11th Edition*. A Bell & Howell Company.
- Fukushima, Y., & Tanaka, T. (1990). A New Attenuation Relation for Peak Horizontal Acceleration of Strong Earthquake Ground Motion in Japan. *Bulletin of the Seismological Society of America*, 80(4). <https://www.researchgate.net/publication/279901672>
- Gunawan, M. R., Minardi, S., & Wijaya, A. (2025). *Penentuan Model Rumusan Ground Motion Prediction Equations untuk Gempa Shallow Background di Nusa Tenggara Barat*. Universitas Mataram.
- Hariyanto, T., Bioresita, F., & Safitri, C. N. (2020). Perhitungan Intensitas Gempa Bumi berdasarkan Nilai PGA (Peak Ground Acceleration) menggunakan Data Gempa Bumi Multi-Event (Studi Kasus: Kabupaten Pandeglang, Banten). *Geoid*, 15(2), 189–5.
- Irawan, L., Hasibuan, L. H., & Fauzi. (2020). Analisa Prediksi Efek Kerusakan Gempa dari Magnitudo (Skala Richter) dengan Metode Algoritma ID3

- menggunakan Aplikasi Data Mining Orange. *Jurnal Keilmuan Dan Aplikasi Bidang Teknik Informatika*, 14(2), 189–201. <https://doi.org/10.47111/JTI>
- Jonathan Bray, B. D., Seed, R. B., Ciuff, L. S., & Bolton Seed, H. (1994). Earthquake Fault Rupture Propagation Through Soil. *J. Geotech Engineering*, 120, 543–561.
- Kadnan. (2019). Hubungan Empiris Intensitas Seismik dengan Parameter Getaran Tanah di Wilayah Jawa Barat. *Jurnal Widya Climago*, 1(1), 1–9.
- Kanai, K., Hirano, K., & Yoshizawa, S. (1966). Observation of Strong Earthquake Motions in Matsushiro Area. Part 1. (Empirical Formulae of Strong Earthquake Motions). *Bulletin of the Earthquake Research Institute*, 44, 1269–1296.
- Kusumawardani, B. N., Didik, L. A., & Bahtiar, B. (2020). Analisis PGA (Peak Ground Acceleration) Pulau Lombok Menggunakan Metode Pendekatan Empiris. *Jurnal Fisika Dan Aplikasinya*, 16(3), 122. <https://doi.org/10.12962/j24604682.v16i3.6372>
- Mega, D. F., Minardi, S., & Wijaya, A. (2024). Penentuan Rumusan Ground Motion Prediction Equation untuk Memprediksi Nilai PGA Akibat Gempabumi Subduksi Jenis Interface di Nusa Tenggara Barat. Universitas Mataram.
- Moratalla, J. M., Goded, T., Rhoades, D. A., Canessa, S., & Gerstenberger, M. C. (2020). New ground motion to intensity conversion equations (GMICEs) for New Zealand. *Seismological Research Letters*, 92(1), 448–459. <https://doi.org/10.1785/0220200156>
- Nakamura, Y. (1989). A Method for Dynamic Characteristics Estimation of Subsurface using Microtremor on the Ground Surface. *QR of RTRI*, 30(1), 25–33.
- Netrisa, Z., Syafriani, Triyono, R., & Arifin, H. (2018). Pemetaan Bahasa Gempabumi Deterministik dengan Pendekatan Peak Ground Acceleration (PGA) di Kota Padang. *Pillar of Physics*, 11(2), 41–48.
- Nugraha, J., Pasau, G., Sunardi, B., & Widiyantoro, S. (2014). Analisis Hazard Gempa dan Isoleismal untuk Wilayah Jawa-Bali-NTB. *Jurnal Meteorologi Dan Geofisika*, 15(1), 1–11.
- Nurwidyanto, M. I., Zainuri, M., Wirasatriya, A., & Yulianto, G. (2023). Microzonation for earthquake hazards with HVSR microtremor method in the coastal areas of Semarang, Indonesia. *Geographia Technica*, 18, 188. https://doi.org/10.21163/GT_
- Poedjoprajitno, S., Wahyudiono, J., & Cita, A. (2008). Reaktivitas Sesar Kaligarang, Semarang. *Jurnal Geologi Indonesia*, 3(3), 129–138.
- Priadi, R., Simangunsong, A. V., Ali, Y. H., Pasaribu, M. A., & Hududillah, T. H. (2017). Analisa Hubungan PGV Observasi dengan Intensitas Gempa Dirasakan di Wilayah Indonesia Bagian Timur. *Seminar Nasional Fisika Dan Aplikasinya*, 1–7.
- Robiana, R., Afif, H., Cipta, A., Omang, A., & Solikhin, A. (2021). Simplifikasi Pembagian Kelas Batuan berdasarkan Nilai Periode Dominan: Studi Kasus Kota Semarang. *Bulletin Vulkanologi Dan Bencana Geologi*, 15(1), 1–11. <https://www.researchgate.net/publication/355200000>

- Santoso, E., Widiyantoro, S., & Sukanta, I. N. (2011). Studi Hazard Seismik dan Hubungannya dengan Intensitas Seismik di Pulau Sumatera dan Sekitarnya. *Jurnal Meteorologi Dan Geofisika*, 12(2), 129–136.
- Si, H., & Midorikawa, S. (1999). New Attenuation Relationships for Peak Ground Acceleration and Velocity Considering Effects of Fault Type and Site Condition. *Journal of Structural and Construction Engineering*, 523, 63–70.
- Thanden, R. E., Sumardiredja, H., Richards, P. W., Sutisna, K., & Amin, T. C. (1996). *Peta Geologi Lembar Magelang dan Semarang, Jawa Tengah Skala 1:100.000*. Pusat Survey Geologi.
- Tian, X., Wen, Z., Zhang, W., & Yuan, J. (2021). New Ground Motion to Intensity Conversion Equations for China. *Shock and Vibration*, 2021(1), 1–21. <https://doi.org/10.1155/2021/5530862>
- Trifunac, M. D., & Brady, A. G. (1975). On the correlation of seismic intensity scale with the peaks of recorded strong ground motion. *Bulletin of the Seismological Society of America*, 65(1), 139–162. <https://www.researchgate.net/publication/247033184>
- Wald, D. J., Quitoriano, V., Heaton, T. H., & Kanamori, H. (1999). Relationships between Peak Ground Acceleration, Peak Ground Velocity, and Modified Mercalli Intensity in California. *Earthquake Spectra*, 15(3), 557–564.
- Wardhana, D. D., Harjono, H., & Sudaryanto, S. (2014). Struktur Bawah Permukaan Kota Semarang berdasarkan Data Gayabarat. *Jurnal Riset Geologi Dan Pertambangan*, 24(1), 53. <https://doi.org/10.14203/risetgeotam2014.v24.81>
- Wijaya, A. R. (2023). Model ETAS Spatio-Temporal pada Analisis Pemetaan Intensitas Kegempaan di Wilayah Sumatera. *Jambura Journal of Mathematics*, 5(1), 179–188. <https://doi.org/10.34312/jjom.v5i1.17359>
- Worden, C. B., Gerstenberger, M. C., Rhoades, D. A., & Wald, D. J. (2012). Probabilistic relationships between ground-motion parameters and modified mercalli intensity in California. *Bulletin of the Seismological Society of America*, 102(1), 204–221. <https://doi.org/10.1785/0120110156>