

DAFTAR PUSTAKA

- Afnimar. (2009). *Seismologi*. Institut Teknologi Bandung.
- Aki, Keiiti., & Richards, P. G. . (2009). *Quantitative seismology*. University Science Books.
- Ammon, C. J., Velasco, A. A., Lay, T., & Wallace, T. C. (2020). Foundations of Modern Global Seismology. In *Foundations of Modern Global Seismology*. Elsevier. <https://doi.org/10.1016/B978-0-12-815679-7.00002-1>
- Aslamia, H., & Supardi, Z. A. I. (2022). Analisis Paremeter a-Value dan b-Value sebagai Mitigasi Bencana Gempa Bumi di Nusa Tenggara Timur. *Jambura Physics Journal*, 4(1), 14–27. <https://doi.org/10.34312/jpj.v4i1.13815>
- Belinić, T., & Markušić, S. (2017). Empirical criteria for the accuracy of earthquake locations on the Croatian territory. *Geofizika*, 34(1), 1–17. <https://doi.org/10.15233/gfz.2017.34.5>
- Bird, P. (2003). An updated digital model of plate boundaries. *Geochemistry, Geophysics, Geosystems*, 4(3). <https://doi.org/10.1029/2001GC000252>
- Carvalho, J., Barros, L. V., & Zahradník, J. (2016). Focal mechanisms and moment magnitudes of micro-earthquakes in central Brazil by waveform inversion with quality assessment and inference of the local stress field. *Journal of South American Earth Sciences*, 71, 333–343. <https://doi.org/10.1016/j.jsames.2015.07.020>
- Chen, G. (2009). *A Treatment of The Dirichlet Integral Via the Methods of Real Analysis*.
- Corral, M. (2008). *Vector Calculus*. Schoolcraft College.
- Cronin, V. S. (2010). *A primer on focal mechanism solutions for geologists*. Baylor University. <https://www.researchgate.net/publication/261913153>
- Dost, B., Zednik, J., Havskov, J., Willemann, R. J., & Bormann, P. (2009). *New Manual of Seismological Observatory Practice-NMSOP New Manual of Seismological Observatory Practice*. https://doi.org/10.2312/GFZ.NMSOP_r1_ch1
- Dziewonski, A. M., & Anderson, D. L. (1981). Preliminary reference Earth model *. In *Preliminary reference Earth model Phys. Earth Planet. Inter* (Vol. 25).
- Euler, L. (1748). *Introductio in Analysis Infinitorum*.
- Felix, R. P., Hubbard, J. A., Bradley, K. E., Lythgoe, K. H., Li, L., & Switzer, A. D. (2021). Tsunami hazard in Lombok & Bali, Indonesia, due to the Flores backarc thrust. *Natural Hazards and Earth System Sciences*. <https://doi.org/10.5194/nhess-2021-343>
- Gjuzi, O., Vesho, N., Alliaj, A., Olgert, G., & Albi, A. (2022). *Seismic Moment Tensor Inversion and Spatial-Temporal Distribution of Earthquake Series 2019 in Korça Region, Albania*. <https://www.researchgate.net/publication/363796040>
- Goes, S., Ruff, L., & Winslow, N. (1997). The complex rupture process of the 1996 deep Flores, Indonesia earthquake (Mw 7.9) from teleseismic P-waves. *Geophysical Research Letters*, 24(11), 1295–1298. <https://doi.org/10.1029/97GL01245>
- Gómez, J. A. Á. (2021). *FMC: Aprogram to Manage, Classify, Cluster and Plot Focal Mechanism Data*. Universidad Complutense de Madrid.

- H Simanjuntak dan Muksin Umar, A. V. (2018). Analisis Mekanisme Fokal Menggunakan Inversi Waveform; Studi Kasus Gempa Bumi Pidie Jaya 7 Desember 2016 Analysis of Focal Mechanisms Using Waveform Inversion; Case Study of Pidie Jaya Earthquake December 7, 2016. *J. Aceh Phys. Soc.*, 7(3), 127–132. <http://www.jurnal.unsyiah.ac.id/JAcPS>
- Hakim, A. R., Saputro, A. H., Rohadi, S., Gunawan, M. T., & Kardoso, R. (2022). Seismic Noise Analysis in InaTEWS Earthquake Station Network (Case Study: Flores Earthquake 7.4, 14 December 2021). *IOP Conference Series: Earth and Environmental Science*, 1047(1). <https://doi.org/10.1088/1755-1315/1047/1/012019>
- Hall, R. (2002). Cenozoic geological and plate tectonic evolution of SE Asia and the SW Pacific: computer-based reconstructions, model and animations. *Journal of Asian Earth Sciences*, 20(4), 353–431. [https://doi.org/10.1016/S1367-9120\(01\)00069-4](https://doi.org/10.1016/S1367-9120(01)00069-4)
- Hufnagle, P. (2004). *Inverse Problem Theory and Methods for Model Parameter Estimation*. Society for Industrial and Applied Mathematics.
- Hutchings, S. J., & Mooney, W. D. (2021). The Seismicity of Indonesia and Tectonic Implications. *Geochemistry, Geophysics, Geosystems*, 22(9). <https://doi.org/10.1029/2021GC009812>
- Jufriansah, A., Khusnani, A., Pramudya, Y., & Afriyanto, M. (2023). Comparison of aftershock behavior of the flores sea 12 december 1992 and 14 december 2021. *Journal of Physics: Theories and Applications*, 7(1), 65. <https://doi.org/10.20961/jphystheor-appl.v7i1.71609>
- Julius, A. M., & Daryono. (2021). Overview of 1990s deadly tsunamis in Indonesia. *E3S Web of Conferences*, 331. <https://doi.org/10.1051/e3sconf/202133107001>
- Kagan, Y. Y. (1991). 3-D rotation of double-couple earthquake sources. *Geophysical Journal International*, 106(3), 709–716. <https://doi.org/10.1111/j.1365-246X.1991.tb06343.x>
- Kaverina, A. N., Lander, A. V., & Prozorov, A. G. (1996). Global Creepex Distribution and Its Relation to Earthquake Source Geometry and Tectonic Origin. *Geophysical Journal International*, 124, 249–265.
- Kennett, B. L. N., Engdah12, E. R., & Buland2, R. (1995). Constraints on seismic velocities in the Earth from traveltimes. In *Geophys. J. Int* (Vol. 122).
- Kikuchi, M., & Kanamori, H. (1991). Inversion of Complex Body Waves-III. In *Bulletin of the Seismological Society of America* (Vol. 81, Issue 6).
- Kleijnen, J. P. C., Ridder, A., & Rubinstein, R. (2012). Variance Reduction Techniques in Monte Carlo Methods. *SSRN Electronic Journal*. <https://doi.org/10.2139/ssrn.1715474>
- Kong, Y., Li, M., Chen, W., & Kang, B. (2019). Accuracy of the moment-tensor inversion of far-field P waves. *Geophysical Journal International*. <https://doi.org/10.1093/gji/ggz446/5582736/by>
- Křížová, D., Zahradník, J., & Kiratzi, A. (2013). Resolvability of isotropic component in regional seismic moment tensor inversion. *Bulletin of the Seismological Society of America*, 103(4), 2460–2473. <https://doi.org/10.1785/0120120097>
- Lay, T., & Wallace, T. C. (1995). *Modern Global Seismology* (pp. ii–iii). [https://doi.org/10.1016/s0074-6142\(12\)60232-0](https://doi.org/10.1016/s0074-6142(12)60232-0)

- Liu, S., Zhou, Z., Dai, S., Iqbal, I., & Yang, Y. (2021). Fast computation of green function for layered seismic field via discrete complex image method and double exponential rules. *Symmetry*, 13(10). <https://doi.org/10.3390/sym13101969>
- Maulana, B. R., Burhanuddin, M. S., & Akbar, M. F. (2023a). Distribution of the Surface Ruptures in the Kalaotoa Due to the 2021 Mw 7.3 Flores Sea Earthquake, Indonesia. *IOP Conference Series: Earth and Environmental Science*, 1272(1). <https://doi.org/10.1088/1755-1315/1272/1/012001>
- Maulana, B. R., Burhanuddin, M. S., & Akbar, Muh. F. (2023b). Lineament Density and Implications for the Distribution of Ground Fissures After 2021 MW 7.3 Flores Sea Earthquake on Kalaotoa Island, Indonesia. *Journal of Geoscience, Engineering, Environment, and Technology*, 8(1), 17–26. <https://doi.org/10.25299/jgeet.2023.8.1.10849>
- McCaffrey, R., & Nabelek, J. (1984). The geometry of back arc thrusting along the eastern Sunda Arc, Indonesia: constraints from earthquake and gravity data. *Journal of Geophysical Research*, 89(B7), 6171–6179. <https://doi.org/10.1029/JB089iB07p06171>
- Menke, W. (2018). *Geophysical Data Analysis: Discrete Inverse Theory*.
- Miller, M. S., O'Driscoll, L. J., Roosmawati, N., Harris, C. W., Porritt, R. W., Widjiantoro, S., Da Costa, L. T., Soares, E., Becker, T. W., & Joshua West, A. (2016). Banda arc experiment-transitions in the banda arc-Australian continental collision. *Seismological Research Letters*, 87(6), 1417–1423. <https://doi.org/10.1785/0220160124>
- Nugroho, H., Widjiantoro, S., & Ibrahim, G. (2007). *Penentuan Posisi Hiposenter Gempabumi dengan Menggunakan Metoda Guided Grid Search dan Model Struktur Kecepatan Tiga Dimensi*. 8(1), 48–60.
- Osgood, B. (2000). *The Fourier Transform and its Applications* (3rd ed.). Stanford University.
- Pramudya, F. A., Ningsih, R., Nurfaidah, H., Sephiana, S. E., Wibowo, R. C., & Zaenudin, A. (2023). Using Grid Search and Guided Random Search (Simulated Annealing) Methods in Determining the Earthquake Hypocenter in the Majalengka Region, West Java on November 11, 2021. *JURNAL GEOCELEBES*, 1–7. <https://doi.org/10.20956/geocelebes.v7i1.19975>
- Scholz, C. H., & Wallace, T. C. (2002). *The Mechanics of Earthquakes and Faulting*. Cambridge University Press.
- Setyowidodo, I., & Jaya Santosa, B. (2011). Analisis Seismogram Tiga Komponen Terhadap Moment Tensor Gempa Bumi di Manokwari Papua 03 Januari 2009. *Jurnal Neutrino*, 3(2).
- Shearer, P. M. (2019). *Introduction to seismology*. Cambridge University Press.
- Sianipar, D. S. J. (2022). *Taiwan International Ph.D. Graduate Program for Earth System Science (TIGP-ESS) Earthquake Source Characteristics along the Flores Thrust Fault, Indonesia* 研究生.
- Sokos, E. N., & Zahradnik, J. (2008). ISOLA a Fortran code and a Matlab GUI to perform multiple-point source inversion of seismic data. *Computers and Geosciences*, 34(8), 967–977. <https://doi.org/10.1016/j.cageo.2007.07.005>

- Sokos, E., & Zahradník, J. (2013). Evaluating centroid-moment-tensor uncertainty in the new version of ISOLA software. *Seismological Research Letters*, 84(4), 656–665. <https://doi.org/10.1785/0220130002>
- Stein, S., & Wysession, M. (2003). *An Introduction to Seismology, Earthquakes, and Earth Structure*.
- Supendi, P., Nugraha, A. D., Widjiantoro, S., Abdullah, C. I., Rawlinson, N., Cummins, P. R., Harris, C. W., Roosmawati, N., & Miller, M. S. (2020). Fate of Forearc Lithosphere at Arc-Continent Collision Zones: Evidence From Local Earthquake Tomography of the Sunda-Banda Arc Transition, Indonesia. *Geophysical Research Letters*, 47(6). <https://doi.org/10.1029/2019GL086472>
- Supendi, P., Rawlinson, N., Prayitno, B. S., Widjiantoro, S., Simanjuntak, A., Palgunadi, K. H., Kurniawan, A., Marliyani, G. I., Nugraha, A. D., Daryono, D., Anugrah, S. D., Fatchurochman, I., Gunawan, M. T., Sadly, M., Adi, S. P., Karnawati, D., & Arimuko, A. (2022). The Kalaotoa Fault: A Newly Identified Fault that Generated the Mw 7.3 Flores Sea Earthquake. *Seismic Record*, 2(3), 176–185. <https://doi.org/10.1785/0320220015>
- Syafitri, Y., & Didik, L. A. (2018). Analisis Pergeseran Lempeng Bumi yang Meningkatkan Potensi Terjadinya Gempa Bumi di Pulau Lombok. *Jurnal Fisika Dan Pendidikan Fisika*, 3(2). <http://jurnalkonstan.ac.id/index.php/jurnal>
- Yang, X., Singh, S. C., & Tripathi, A. (2020). Did the Flores backarc thrust rupture offshore during the 2018 Lombok earthquake sequence in Indonesia? *Geophysical Journal International*, 221(2), 758–768. <https://doi.org/10.1093/gji/ggaa018>
- Zahradník, J., Gallovin, F., Sokos, E., Serpetsidaki, A., & Tselentis, A. (2008a). Quick fault-plane identification by a geometrical method: Application to the Mw 6.2 Leonidio Earthquake, 6 January 2008, Greece. *Seismological Research Letters*, 79(5), 653–662. <https://doi.org/10.1785/gssrl.79.5.653>
- Zahradník, J., Serpetsidaki, A., Sokos, E., & Tselentis, G. A. (2005). Iterative deconvolution of regional waveforms and a double-event interpretation of the 2003 Lefkada earthquake, Greece. *Bulletin of the Seismological Society of America*, 95(1), 159–172. <https://doi.org/10.1785/0120040035>
- Zhang, P., & Miller, M. S. (2021). Seismic Imaging of the Subducted Australian Continental Margin Beneath Timor and the Banda Arc Collision Zone. *Geophysical Research Letters*, 48(4). <https://doi.org/10.1029/2020GL089632>
- Zulkarnaen, I. (2015). *Analysis Waveform Three Components Inversion to Determine Moment Tensor, Pattern of Fault Plane, and Mechanism Focus of North Sulawesi Earthquake 2014*. Institut Teknologi Sepuluh Nopember.