

## DAFTAR PUSTAKA

- Advokaat, E. L., Hall, R., White, L. T., Watkinson, I. M., Rudyawan, A., & BouDagher-Fadel, M. K. (2017). Miocene to recent extension in NW Sulawesi, Indonesia. *Journal of Asian Earth Sciences*, *147*, 378–401. <https://doi.org/10.1016/j.jseaes.2017.07.023>
- Afnimar. (2009). *Seismologi*. Penerbit ITB.
- Agus Rahmad Timor, A. R., Andre, H., & Hazmi. (2016). Nalisis Gelombang Elektromagnetik Dan Seismik Yang Ditimbulkan Oleh Gejala Gempa. *Jurnal Nasional Teknik Elektro*, *5*(3).
- Aki, K., & Richards, P. G. (2002). *Quantitative Seismology* (2nd ed.). University Science Books.
- Arifianti, Y., Pamela, I., Iqbal, P., Sumaryono, Omang, A., & Lestiana, H. (2023). Susceptibility Assessment of Earthquake-induced Landslides: the 2018 Palu, Sulawesi Mw 7.5 Earthquake, Indonesia. *Rudarsko Geolosko Naftni Zbornik*, *38*(3), 43–54. <https://doi.org/10.17794/rgn.2023.3.4>
- Cipta, A., Rudyanto, A., Afif, H., Robiana, R., Solikhin, A., Omang, A., Supartoyo, & Hidayati, S. (2021). Unearthing the buried Palu–Koro fault and the pattern of damage caused by the 2018 Sulawesi earthquake using HVSr inversion. *Geological Society Special Publication*, *501*(1), 185–203. <https://doi.org/10.1144/SP501-2019-70>
- Gallant, A. P., Montgomery, J., Mason, H. B., Hutabarat, D., Reed, A. N., Wartman, J., ... & Yasin, W. (2020). The Sibalaya flowslide initiated by the 28 September 2018 MW 7.5 Palu-Donggala, Indonesia earthquake. *Landslides*, *17*(8), 1925–1934. <https://doi.org/10.1007/s10346-020-01354-1>
- Hakam, A. (2020). *Analisis Praktis Potensi Likuifaksi*. Andalas Press.
- Handoyo. (2023). Metode Multichannel Analysis of Surface Waves (MASW): Teori dan Aplikasi pada Identifikasi Sesar Dangkal di Dekat Permukaan (Near Subsurface). *Jurnal Geofisika*. <https://jurnal-geofisika.or.id/index.php/jurnal-geofisika/article/view/581>
- Hidayat, R. F., Kiyota, T., Tada, N., Hayakawa, J., & Nawir, H. (2020). Reconnaissance on liquefaction-induced flow failure caused by the 2018 Mw 7.5 Sulawesi earthquake, Palu, Indonesia. *Journal of Engineering and Technological Sciences*, *52*(1), 51–65. <https://doi.org/10.5614/j.eng.technol.sci.2020.52.1.4>
- Tarigan, S. D. (2019). Analisis Potensi Likuifaksi Akibat Gempa us: Reklamasi Pelabuhan Kontainer Belawan Fase-2). *Jurnal Konstruksi Mekanika Sipil*, core.ac.uk. <https://www.core.ac.uk/download/pdf/335282676.pdf>



- Jalil, A., Fathani, T. F., Satyarno, I., & Wilopo, W. (2021). Liquefaction in Palu: the cause of massive mudflows. *Geoenvironmental Disasters*, 8(1). <https://doi.org/10.1186/s40677-021-00194-y>
- Kiswiranti, D. (2019). *Seismologi: Dasar-dasar Seismologi dan Aplikasinya*. Institut Sains & Teknologi Akprind Yogyakarta.
- Kusumawardani, R., Chang, M., Upomo, T. C., Huang, R. C., Fansuri, M. H., & Prayitno, G. A. (2021). Understanding of Petobo liquefaction flowslide by 2018.09.28 Palu-Donggala Indonesia earthquake based on site reconnaissance. *Landslides*, 18(9), 3163–3182. <https://doi.org/10.1007/s10346-021-01700-x>
- Kusumawardani, S., et al. (2023). Assessment of Petobo Flowslide Induced by Soil Liquefaction during 2018 Palu–Donggala Indonesian Earthquake. *Sustainability*, 15(6), 5371. <https://doi.org/10.3390/su15065371>
- Kusumawati, D., Sahara, D. P., Puspito, N. T., Daryono, M. R., Nugraha, A. D., Sadly, M., ... & Rohadi, S. (2024). Frictional Fault Strength Analysis of Palu-Koro and Matano Faults, Sulawesi, Indonesia, from Earthquake Focal Mechanism Data. *Journal of Earthquake Engineering*, 28(13), 3843–3859. <https://doi.org/10.1080/13632469.2024.2359437>
- Mason, H. B., Montgomery, J., Gallant, A. P., Hutabarat, D., Reed, A. N., Wartman, J., ... & Yasin, W. (2021). East Palu Valley flowslides induced by the 2018 MW 7.5 Palu-Donggala earthquake. *Geomorphology*, 373, 107482. <https://doi.org/10.1016/j.geomorph.2020.107482>
- Mufardis, A., Khaizal, K., & Irwandi, I. (2023). Pemetaan Vs30 dan Analisis Potensi Likuifaksi Berdasarkan Vs Menggunakan Metode MASW di Kecamatan Banda Raya dan Jaya Baru Kota Banda Aceh. *Journal of The Civil Engineering*. <https://jim.usk.ac.id/CES/article/view/20992>
- Nugraha, A. M. S., Hall, R., & BouDagher-Fadel, M. (2022). The Celebes Molasse: A revised Neogene stratigraphy for Sulawesi, Indonesia. *Journal of Asian Earth Sciences*, 228, 105140. <https://doi.org/10.1016/j.jseae.2022.105140>
- Nugraha, A. M. S., Hennig-Breitfeld, J., Puspita, R., Switzer, A. D., & Hall, R. (2024). Detrital zircons and heavy minerals from the Palu Formation, Sulawesi, Indonesia: constraints on exhumation of the Palu Metamorphic Complex and drainage evolution. *Journal of the Geological Society*, 181(3). <https://doi.org/10.1144/jgs2023-118>
- R. D., & Xia, J. (1999). Multichannel analysis of surface waves. *Journal of Geophysical Research*, 104(B3), 800–808. <https://doi.org/10.1190/1.1444590>
- P. S. (2020). Development of the Palu–Koro Fault in NW Palu Indonesia. *Geoscience Letters*, 7(1), 1–11. <https://doi.org/10.1186/s40562-020-0150-2>



- Piter, Daud. A. G., & Natalisanto. A. I. (2021). Interpretasi Kecepatan Gelombang Geser (Vs) Pada Lapisan Bawah Permukaan Daerah 'X' Dengan Metode Seismik MASW (Multichannel Analysis Of Surface Wave). *Jurnal GEOSAINS KUTAI BASIN*, 4(1).
- Rivai, T. A., Yonezu, K., Syafrizal, Sanematsu, K., Kusumanto, D., Imai, A., & Watanabe, K. (2019). A Low-Sulfidation Epithermal Mineralization in the River Reef Zone, the Poboya Prospect, Central Sulawesi, Indonesia: Vein Textures, Ore Mineralogy, and Fluid Inclusions. *Resource Geology*, 69(4), 385–401. <https://doi.org/10.1111/rge.12206>
- Rohit, D., Hazarika, H., Maeda, T., Sumartini, W. O., Kokusho, T., Manafi Khajeh Pasha, S., & Nurdin, S. (2021). Forensic investigation of flowslides triggered by the 2018 Sulawesi earthquake. *Progress in Earth and Planetary Science*, 8(60). <https://doi.org/10.1186/s40645-021-00452-5>
- Setiawan, H., & Kurniawan, S. (2021). Karakteristik Tanah Terdampak Dan Tidak Terdampak Likuifaksi Berdasarkan Uji Swedish Weight Sounding Pada Kelurahan Petobo. *Inersia: Jurnal Teknik Sipil*.
- Smith, J. D. (2018). Characterization of half-space models in surface wave inversion. *Journal of Seismic Exploration*, 27(3), 145–158. <https://doi.org/10.1016/j.jse.2018.05.001>
- Socquet, A., Hollingsworth, J., Pathier, E., & Bouchon, M. (2019). Evidence of supershear during the 2018 magnitude 7.5 Palu earthquake from space geodesy. *Nature Geoscience*, 12(3), 192–199. <https://doi.org/10.1038/s41561-018-0296-0>
- Syamsuddin, E., Maulana, A., Hamzah, A., & Irvan, U. R. (2024). Assessing soil vulnerability in Petobo post-liquefaction zone, Palu, Central Sulawesi: A microzonation study utilizing microtremor measurements. *Journal of Degraded and Mining Lands Management*, 11(3), 5805–5816. <https://doi.org/10.15243/jdmlm.2024.113.5805>
- Tampubolon, S. P., Sarasantika, I. P. E., & Suarjana, I. W. G. (2022). Analysis of Building Structure Damage and Liquefaction in Palu. *Jurnal Teoritis*. <https://www.jurnal.unismabekasi.ac.id/index.php/bentang/article/view/3263>
- Triyono, R., et al. (2024). Investigation of Liquefaction in Balaroo, Petobo, and Jonooe (Central Sulawesi, Indonesia) Caused by the 2018 Palu Earthquake Sequence. *Journal of Engineering and Technological Sciences*, 56(3), 1–12. <https://doi.org/10.5614/j.eng.technol.sci.2024.56.3.1>



iang, M., Kusumawardani, R., Prayitno, G. A., & ... (2023). It of Petobo flowslide induced by soil liquefaction during 2018 gala Indonesian earthquake. *Sustainability*. <https://www.mdpi.com/2071-1050/15/6/5371>

- Ventra, D., & Clarke, L. E. (2018). Geology and geomorphology of alluvial and fluvial fans: Current progress and research perspectives. *Geological Society Special Publication*, 440(1), 1–21. <https://doi.org/10.1144/SP440.16>
- Wathelet, M., Jongmans, D., & Ohrnberger, M. (2004). Surface-wave inversion using a direct search algorithm and its application to ambient vibration measurements, *Near Surf. Geophys.*, 2, 211–221. *Geophysics*, 64, 691700.
- Wu, D., Ren, Z., Liu, J., Chen, J., Guo, P., Yin, G., Ran, H., Li, C., & Yang, X. (2021). Coseismic Surface Rupture During the 2018 Mw 7.5 Palu Earthquake, Sulawesi Island, Indonesia. *Bulletin of the Geological Society of America*, 133, 1157–1166. <https://doi.org/10.1130/B35597.1>
- Wu, Y. (2022). Case History Changes in Soil Conditions Before and After Earthquakes at A Repetitive Soil Liquefaction Site in Taiwan. *Geophysics*, 87(3), 179–191.
- Youd, T. L., & Idriss, I. M. (2001). Liquefaction resistance of soils: summary report from the 1996 NCEER and 1998 NCEER/NSF workshops on evaluation of liquefaction resistance of soils. *Journal of Geotechnical and Geoenvironmental Engineering*. [https://doi.org/10.1061/\(ASCE\)1090-0241\(2001\)127:4\(297\)](https://doi.org/10.1061/(ASCE)1090-0241(2001)127:4(297))
- Zeffitni, et al. (2023). Hydromorphological and Hydrogeological Assessment of Liquefaction Vulnerability in Central Sulawesi, Indonesia. *International Journal of Design & Nature and Ecodynamics*, 18(4), 419–426. <https://doi.org/10.18280/ijdne.180419>





Optimized using  
trial version  
[www.balesio.com](http://www.balesio.com)