

DAFTAR PUSTAKA

- Ariesta, D. (2019). The Effect of Initial Groundwater Table and Rainfall Wetting Towards Slope Stability (Case Study of Landslide in Tangkil Hamlet, Banaran Village, Pulung Subdistrict, Ponorogo Regency). *Journal of the Civil Engineering Forum*, 5(2), 149. <https://doi.org/10.22146/jcef.43804>
- Australian Standard. *Australian Standard AS 4678-2002 Earth-retaining structures*. (2002). Standards Australia.
- Aydan, Ö., Ulusay, R., dan Atak, V. O. (2008). Evaluation of ground deformations induced by the 1999 Kocaeli earthquake (Turkey) at selected sites on shorelines. *Environmental Geology*, 54(1), 165–182. <https://doi.org/10.1007/s00254-007-0803-x>
- Badan Standardisasi Nasional. SNI 1726-2019 tentang Tata cara perencanaan ketahanan gempa untuk struktur bangunan gedung dan nongedung, Tata Cara Perencanaan Ketahanan Gempa Untuk Struktur Bangunan Gedung dan Non Gedung 254 (2019).
- Cheng, Y. M., Lansivaara, T., dan Wei, W. B. (2007). Two-dimensional slope stability analysis by limit equilibrium and strength reduction methods. *Computers and Geotechnics*, 34(3), 137–150. <https://doi.org/10.1016/j.compgeo.2006.10.011>
- Das, B. M., dan Ramana, G. V. (2011). *Principles of Soil Dynamics* (Second). Cengage Learning.
- Day, R. W. (2012). *Geotechnical Earthquake Engineering Handbook: With the 2012 International Building Code*. McGraw-Hill.
- Duncan, J. M. (1996). State of the Art: Limit Equilibrium and Finite-Element Analysis of Slopes. *Journal of Geotechnical Engineering*, 122(7), 577–596. [https://doi.org/10.1061/\(asce\)0733-9410\(1996\)122:7\(577\)](https://doi.org/10.1061/(asce)0733-9410(1996)122:7(577))
- El Kahi, E., dan Khouri, M. (2019). Investigating the differences between various deterministic liquefaction correlation methods. *Soils and Rocks*, 42(2), 155–166. <https://doi.org/10.28927/sr.422155>
- Faris, F., Fathani, T. F., dan Wang, F. (2019). Report on the UNESCO Chair workshop on geoenvironmental disaster reduction 28th April - 1st May, 2019, Palu - Jakarta, Indonesia. *Geoenvironmental Disasters*, 6(12). <https://doi.org/10.1186/s40677-019-0129-5>
- Han, J. (2015). *Principle and Practice of Ground Improvement*. John Wiley dan Sons.
- Hazarika, H., Rohit, D., Pasha, S. M. K., Maeda, T., Masyhur, I., Arsyad, A., dan Nurdin, S. (2021). Large distance flow-slide at Jono-Oge due to the 2018 Sulawesi Earthquake. *Soils and Foundations*, 61, 239–255.
- Idriss, I. M., dan Boulanger, R. W. (2008). *Soil Liquefaction During Earthquakes*. Earthquake Engineering Research Institute (EERI). <https://doi.org/10.1177/136218079700300202>
- Iwasaki, T., Tokida, K., dan Tatsuoka, F. (1981). Soil Liquefaction Potential Evaluation with Use of the Simplified Procedure. *Proceedings: First International Conference*

on Recent Advances in Geotechnical Earthquake Engineering and Soil Dynamics, 209–214.

- Jalil, A., Fathani, T. F., Satyarno, I., dan Wilopo, W. (2021). Liquefaction in Palu: the cause of massive mudflows. *Geoenvironmental Disasters*, 8(1). <https://doi.org/10.1186/s40677-021-00194-y>
- JICA. 2019a. *Boring Survey for Basic Response for Central Sulawesi Earthquake (Phase 1) Under the JICA Survey for Disaster Information Collection in Indonesia*.
- JICA. 2019b. *Geotechnical Investigation of Landslide Palu Area. Project for Development of Regional Disaster Risk Resilience Plan in Central Sulawesi*.
- Juang, C. H., Fang, Y. F., dan Li, D. K. (2008). Reliability Analysis of Liquefaction Potential of Soils Using Standard Penetration Test. In K. K. Phoon (Ed.), *Reliability-Based Design in Geotechnical Engineering* (pp. 497–526). Taylor dan Francis.
- Kanno, T., Narita, A., Morikawa, N., Fujiwara, H., dan Fukushima, Y. (2006). A new attenuation relation for strong ground motion in Japan based on recorded data. *Bulletin of the Seismological Society of America*, 96(3), 879–897. <https://doi.org/10.1785/0120050138>
- Kiyota, T., Furuichi, H., Hidayat, R. F., Tada, N., dan Nawir, H. (2020). Overview of long-distance flow-slide caused by the 2018 Sulawesi earthquake, Indonesia. *Soils and Foundations*, 60(3), 722–735. <https://doi.org/10.1016/j.sandf.2020.03.015>
- Kramer, S. L. (1996). *Geotechnical Earthquake Engineering* (p. 376). Prentice-Hall.
- Ma, J. Z., Zhang, J., Huang, H. W., Zhang, L. L., dan Huang, J. S. (2017). Identification of representative slip surfaces for reliability analysis of soil slopes based on shear strength reduction. *Computers and Geotechnics*, 85, 199–206. <https://doi.org/10.1016/j.compgeo.2016.12.033>
- Mase, L. Z. (2018). Studi Kehandalan Metode Analisis Likuefaksi Menggunakan SPT Akibat Gempa 8,6 Mw, 12 September 2007 di Area Pesisir Kota Bengkulu. *Jurnal Teknik Sipil*, 25(1), 53–60. <https://doi.org/10.5614/jts.2018.25.1.7>
- Mase, L. Z., dan Somantri, A. K. (2016). Analisis Potensi Likuefaksi Di Kelurahan Lempuing Kota Bengkulu Menggunakan Percepatan Maksimum Kritis. *Potensi : Jurnal Sipil Politeknik*, 18(1), 45–55. <https://doi.org/10.35313/potensi.v18i1.525>
- Mason, H. B., Gallant, A. P., Hutabarat, D., Montgomery, J., Reed, A. N., Wartman, J., Irsyam, M., Prakoso, W., Djarwadi, D., Harnanto, D., Alatas, I., Rahardjo, P., Simatupang, P., Kawanda, A., dan Hanifa, R. (2019). *Geotechnical reconnaissance: The 28 September 2018 M 7.5 Palu-Donggala, Indonesia Earthquake* (Issue September 2018). <https://doi.org/10.18118/G63376>
- Mason, H. B., Montgomery, J., Gallant, A. P., Hutabarat, D., Reed, A. N., Wartman, J., Irsyam, M., Simatupang, P. T., Alatas, I. M., Prakoso, W. A., Djarwadi, D., Hanifa, R., Rahardjo, P., Harnanto, D. S., Kawanda, A., Himawan, A., dan Yasin, W. (2021). *East Palu Valley flowslides induced by the 2018 Mw 7.5 Palu-Donggala earthquake*. 373. <https://doi.org/10.1016/j.geomorph.2020.107482>
- Masyhur, I., Widiyantoro, S., Natawidjaja, D. H., Meilano, I., Rudyanto, A., Hidayati, S., Triyoso, W., Hanifa, N. R., Djarwadi, D., Faizal, L., dan Sunarjito. (2017). *Peta*

- Sumber dan Bahaya Gempa Indonesia Tahun 2017*. Badan Penelitian dan Pengembangan, Kementerian Pekerjaan Umum dan Perumahan Rakyat. <https://doi.org/10.1088/1751-8113/44/8/085201>
- Maurer, B. W., Green, R. A., Cubrinovski, M., dan Bradley, B. A. (2014). Evaluation of the Liquefaction Potential Index for Assessing Liquefaction Hazard in Christchurch, New Zealand. *Journal of Geotechnical and Geoenvironmental Engineering*, 140(7), 04014032. [https://doi.org/10.1061/\(asce\)gt.1943-5606.0001117](https://doi.org/10.1061/(asce)gt.1943-5606.0001117)
- Mujtaba, H., Farooq, K., Sivakugan, N., dan Das, B. M. (2018). Evaluation of relative density and friction angle based on SPT-N values. *KSCE Journal of Civil Engineering*, 22(2), 572–581. <https://doi.org/10.1007/s12205-017-1899-5>
- Patria, A., dan Putra, P. S. (2020). Development of the Palu–Koro Fault in NW Palu Valley, Indonesia. *Geoscience Letters*, 7(1), 1–11. <https://doi.org/10.1186/s40562-020-0150-2>
- Peraturan Gubernur Sulawesi Tengah Nomor 10 Tahun 2019 tentang Rencana Rehabilitasi dan Rekonstruksi Pascabencana, (2019).
- Pratama, A., Fathani, T. F., dan Satyarno, I. (2021). Liquefaction potential analysis on Gumbasa Irrigation Area in Central Sulawesi Province after 2018 earthquake. *Earth and Environmental Science*.
- Rahman, M. A. (2020). *Analisis Respon Dinamik Tanah Berpotensi Likuefaksi pada Underpass Yogyakarta International Airport (YIA)*.
- Salmasi, F., dan Jafari, F. (2019). A Simple Direct Method for Prediction of Safety Factor of Homogeneous Finite Slopes. *Geotechnical and Geological Engineering*, 37(5), 3949–3959. <https://doi.org/10.1007/s10706-019-00884-3>
- Sassa, K., Fukuoka, H., Wang, F., dan Wang, G. (2007). Landslide Induced by a Combined Effect of Earthquake and Rainfall. In *Progress in Landslide Science* (pp. 193–207).
- Seed, H. B., Tokimatsu, K., Harder, L. F., dan Chung, R. M. (1985). *The influence of SPT procedures in soil liquefaction resistance evaluations: Berkeley, University of California*. I(12), 15.
- Seed, H. Bolton, dan Idriss, I. M. (1971). *A Simplified Procedure for Evaluating Soil Liquefaction Potential*.
- Socquet, A., Simons, W., Vigny, C., McCaffrey, R., Subarya, C., Sarsito, D., Ambrosius, B., dan Spakman, W. (2006). Microblock rotations and fault coupling in SE Asia triple junction (Sulawesi, Indonesia) from GPS and earthquake slip vector data. *Journal of Geophysical Research*, 111, B08409 1-15. <https://doi.org/10.1029/2005JB003963>
- Sukanto, Sumadirdja, Suptandar, T., Hardjoprawiro, S., dan Sudana, D. (1973). *Peta Geologi Tinjau Lembar Palu, Sulawesi Skala 1:250.000*.
- Terzaghi, K., Peck, R. B., dan Mesri, G. (1996). *Soil Mechanics in Engineering Practice*. John Wiley dan Sons.
- Thein, P. S., Pramumijoyo, S., Brotopuspito, K. S., Kiyono, J., Wilopo, W., Furukawa,

- A., Setianto, A., dan Putra, R. R. (2015). Estimation of S-wave velocity structure for sedimentary layered media using Microtremor array measurements in Palu City , Indonesia. *Procedia Environmental Sciences*, 28, 595–605. <https://doi.org/10.1016/j.proenv.2015.07.070>
- Toprak, S., dan Holzer, T. L. (2003). Liquefaction Potential Index: Field Assessment. *Journal of Geotechnical and Geoenvironmental Engineering*, 129(4), 315–322. [https://doi.org/10.1061/\(asce\)1090-0241\(2003\)129:4\(315\)](https://doi.org/10.1061/(asce)1090-0241(2003)129:4(315))
- Towhata, I. (2008). Geotechnical Earthquake Engineering. In *International Journal for Numerical and Analytical Methods in Geomechanics*. Springer Series in Geomechanics and Geoengineering. <https://doi.org/10.1007/978-3-540-35783-4>
- Valkaniotis, S., Ganas, A., Tsironi, V., dan Barberopoulou, A. (2018). *A preliminary report on the M7.5 Palu earthquake co-seismic ruptures and landslides using image correlation techniques on optical satellite data* (Issue October). <https://doi.org/10.5281/zenodo.1467128>
- Watkinson, I. M. (2011). Ductile flow in the metamorphic rocks of central Sulawesi. *Geological Society Special Publication*, 355, 157–176. <https://doi.org/10.1144/SP355.8>
- Watkinson, I. M., dan Hall, R. (2019). Impact of communal irrigation on the 2018 Palu earthquake-triggered landslides. *Nature Geoscience*, 12(11), 940–945. <https://doi.org/10.1038/s41561-019-0448-x>
- Widyaningrum, R. (2012). Penyelidikan Geologi Teknik Potensi Liquifaksi Daerah Palu, Provinsi Sulawesi Tengah. *Kementrian Energi Dan Sumber Daya Mineral*.
- Youd, T. L., dan Perkins, D. M. (1978). Mapping Liquefaction-Induced Ground Failure Potential. *ASCE J Geotech Eng Div*, 104(4), 433–446. <https://doi.org/10.1061/ajgeb6.0000612>
- Youd, T. L. (1984). *Geologic Effects – Liquefaction and Associated Ground Failure*. U.S Geological Survey. Menlo Park, California.