

DAFTAR PUSTAKA

- Acharya, P., Sharma, K., Acharya, I.P., 2021. *Seismic Liquefaction Risk Assessment of Critical Facilities in Kathmandu Valley, Nepal*. *GeoHazards* 2, 153–171. <https://doi.org/10.3390/geohazards2030009>
- Ahmad, M., Tang, X.W., Qiu, J.N., Ahmad, F., 2019. *Interpretive Structural Modeling and MICMAC Analysis for identifying and benchmarking significant factors of seismic soil liquefaction*. *Applied Sciences (Switzerland)* 9. <https://doi.org/10.3390/app9020233>
- Askaviolita, Ismanti, S., Fathani, T.F., 2023. *Evaluation of Soil Liquefaction Using SPT Data at Boyolali Regency, Central Java, dalam: IOP Conference Series: Earth and Environmental Science*. Institute of Physics. <https://doi.org/10.1088/1755-1315/1203/1/012031>
- Aslamia, H., Supardi, Z.A.I., 2022. Analisis Parameter a-Value dan b-Value Sebagai Mitigasi Bencana Gempa Bumi di Nusa Tenggara Timur. *Jambura Physics Journal* 4, 14–27. <https://doi.org/10.34312/jpj.v4i1.13815>
- Ayele, A., Woldearegay, Kiie, Meten, M., Woldearegay, Kifle, 2021. *Site-specific Equivalent Linear Response Analysis and Liquefaction Hazard Evaluation of Hawassa Town, Main Ethiopian Rift Site-specific equivalent linear response analysis and liquefaction hazard evaluation of Hawassa town, Main Ethiopian Rift*. <https://doi.org/10.21203/rs.3.rs-983279/v1>
- Bastin, S.H., Quigley, M.C., Bassett, K., 2015. *Paleoliquefaction in christchurch, New Zealand*. *Bulletin of the Geological Society of America* 127, 1348–1365. <https://doi.org/10.1130/B31174.1>
- Bhattacharya, S., 2003. *Pile Instability during Earthquake Liquefaction (Dissertation)*. University of Cambridge, United Kingdom.
- Boulanger, R.W., Idriss, I.M., 2015. *Magnitude scaling factors in liquefaction triggering procedures*. *Soil Dynamics and Earthquake Engineering* 79, 296–303. <https://doi.org/10.1016/j.soildyn.2015.01.004>
- Buana, T.W., Hermawan, W., Rahdiana, R.N., Widyaningrum, R., Wahyudin, Hasibuan, G., Wiyono, Solliu, W.P., 2019. Atlas Zona Kerentanan Likuefaksi Indonesia, Cetakan Pertama. ed. Badan Geologi Kementerian Energi dan Sumber Daya Mineral, Bandung.
- Candia, G., De Pascale, G.P., Montalva, G., Ledezma, C., 2017. *Geotechnical aspects of the 2015 Mw 8.3 illapel megathrust earthquake sequence in Chile*. *Earthquake Spectra* 33, 709–728. <https://doi.org/10.1193/031716EQS043M>
- Civico, R., Brunori, C.A., De Martini, P.M., Pucci, S., Cinti, F.R., Pantosti, D., 2015. *Liquefaction susceptibility assessment in fluvial plains using airborne lidar: The case of the 2012 Emilia earthquake sequence area (Italy)*. *Natural Hazards and Earth System Sciences* 15, 2473–2483. <https://doi.org/10.5194/nhess-15-2473-2015>
- D'Apuzzo, M., Evangelisti, A., Modoni, G., Spacagna, R.L., Paoella, L., Santilli, D., Nicolosi, V., 2020. *Simplified Approach for Liquefaction Risk Assessment of Transportation Systems: Preliminary Outcomes, dalam: Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)*. Springer Science and Business Media Deutschland GmbH, hlm. 130–145. https://doi.org/10.1007/978-3-030-58820-5_10

- Darman, H., Sidi, F.H., 2000. *An outline of the geology of Indonesia: Indonesian Association of Geologists*. Jakarta Selatan.
- Fauzan, Hanifah, N.M., Willy Peratundhika, E., Monika, M.P., Jauhari, Z. Al, 2020. *Structural evaluation of 3-story dormitory reinforced concrete building considering soil liquefaction potential*, dalam: *E3S Web of Conferences*. EDP Sciences. <https://doi.org/10.1051/e3sconf/202015605015>
- Febriarta, E., Susanto, D., Wicaksono, A.P., Larasati, A., 2022. Kajian metode deterministik untuk zonasi kerawanan gerakan tanah di Labuan Bajo Nusa Tenggara Timur. *Majalah Geografi Indonesia* 36, 41–50. <https://doi.org/10.22146/mgi.63231>
- Green, R., Bommer, J., 2018. *Smallest Earthquake Magnitude that Can Trigger Liquefaction*. Vitginia.
- Hardiyatmo H.C., 2022. *Rekayasa Gempa untuk Analisis Struktur dan Geoteknik*. Gadjah Mada University Press, Yogyakarta.
- Hartono, N., 2021. *Pemetaan Potensi Likuefaksi dan Optimasi Perbaikan Tanah dengan Metode Stone Column di Kawasan Yogyakarta International Airport* (Thesis). Universitas Gadjah Mada, Yogyakarta.
- Haryanto, D., Nugroho, D., Febriawan, H.K., Harahap, R.J., Fawaiz, A., Wiguna, T., Muhtadi, A., Dannari, A., Haryadi, Y., Irfan, M., Abn, Fauzi, A., 2023. *An investigation of seafloor and oceanographic characteristics in deep-water of north Labuan Bajo, Indonesia*, dalam: *IOP Conference Series: Earth and Environmental Science*. Institute of Physics. <https://doi.org/10.1088/1755-1315/1163/1/012004>
- Hermon, D., 2019. *Evaluation of physical development of the coastal tourism regions on tsunami potentially zones in Pariaman City- Indonesia*. *International Journal of GEOMATE* 17, 189–196. <https://doi.org/10.21660/2019.59.66719>
- Himawan, A.P., 2018. *Studi Geologi Lingkungan untuk Pengembangan Wilayah Perkotaan Kawasan Pariwisata Labuan Bajo*. Insitut Teknologi Bandung, Bandung.
- Hossain, M.B., Roknuzzaman, M., Rahman, M.M., 2022. *Liquefaction Potential Evaluation by Deterministic and Probabilistic Approaches*. *Civil Engineering Journal (Iran)* 8, 1459–1481. <https://doi.org/10.28991/CEJ-2022-08-07-010>
- Hubner, A., 2007. *Tubular Piles-Buckling Design in a Complex Situation* (Dissertation). University of Fridericiana, Karlsruhe.
- Hughes, M.W., Quigley, M.C., Van Ballegooy, S., Deam, B.L., Bradley, B.A., Hart, D.E., Measures, R., 2015. *The sinking city: Earthquakes increase flood hazard in Christchurch, New Zealand*. *GSA Today* 25, 4–10. <https://doi.org/10.1130/GSATG221A.1>
- Idriss, I.M., Boulanger, R.W., 2014. *Center for Geotechnical Modelling CPT and SPT based Liquefaction Triggering Procedures*.
- Irsyam, M., Cummins, P.R., Asrurifak, M., Faizal, L., Natawidjaja, D.H., Widiyantoro, S., Meilano, I., Triyoso, W., Rudiyanto, A., Hidayati, S., Ridwan, M., Hanifa, N.R., Syahbana, A.J., 2020. *Development of the 2017 national seismic hazard maps of Indonesia*. *Earthquake Spectra* 36, 112–136. <https://doi.org/10.1177/8755293020951206>



- Kramer, S.L., 1996. *Geotechnical earthquake engineering*. Prentice-Hall, Inc, United States of America.
- Kumar, R., Bhargava, K., Choudhury, D., 2016. *Estimation of Engineering Properties of Soils from Field SPT Using Random Number Generation*. *INAE Letters* 1, 77–84. <https://doi.org/10.1007/s41403-016-0012-6>
- Lee, M., Gomez, M.G., El Kortbawi, M., Ziotopoulou, K., 2022. *Effect of Light Biocementation on the Liquefaction Triggering and Post-Triggering Behavior of Loose Sands*. *Journal of Geotechnical and Geoenvironmental Engineering* 148. [https://doi.org/10.1061/\(asce\)gt.1943-5606.0002707](https://doi.org/10.1061/(asce)gt.1943-5606.0002707)
- Maurer, B.W., Green, R.A., Cubrinovski, M., Bradley, B.A., 2015. *Fines-content effects on liquefaction hazard evaluation for infrastructure in Christchurch, New Zealand*. *Soil Dynamics and Earthquake Engineering* 76, 58–68. <https://doi.org/10.1016/j.soildyn.2014.10.028>
- Mike, J., Ken, B., 2016. *Soil Liquefaction: A Critical State Approach, Second Edition*. ed. CRC Press, London.
- Patriaman, F., Fathani, T.F., Wilopo, W., 2021. *Liquefaction potential analysis in Palu Bay area, dalam: IOP Conference Series: Earth and Environmental Science*. IOP Publishing Ltd. <https://doi.org/10.1088/1755-1315/930/1/012077>
- Pusat Studi Gempa Nasional, 2022. Peta Deagregasi Bahaya Gempa Indonesia untuk Perencanaan dan Evaluasi Infrastruktur Tahan Gempa. Kementerian Pekerjaan Umum dan Perumahan Rakyat, Bandung.
- Pusat Studi Gempa Nasional, 2017. Peta Sumber dan Bahaya Gempa Indonesia tahun 2017. Kementerian Pekerjaan Umum dan Perumahan Rakyat, Bandung.
- Santucci de Magistris, F., Lanzano, G., Forte, G., Fabbrocino, G., 2013. *A database for PGA threshold in liquefaction occurrence*. *Soil Dynamics and Earthquake Engineering* 54, 17–19. <https://doi.org/10.1016/j.soildyn.2013.07.011>
- Sassa, S., Takagawa, T., 2019. *Liquefied gravity flow-induced tsunami: first evidence and comparison from the 2018 Indonesia Sulawesi earthquake and tsunami disasters*. *Landslides* 16, 195–200. <https://doi.org/10.1007/s10346-018-1114-x>
- SNI 2833, 2016. Standar Nasional Indonesia Perencanaan Jembatan terhadap Beban Gempa. Indonesia.
- SNI 8460, 2017. "Badan Standardisasi Nasional Standar Nasional Indonesia Persyaratan perancangan geoteknik.
- Sonmez, 2003. *Modification of the liquefaction potential index and liquefaction susceptibility mapping for a liquefaction-prone area (Inegol, Turkey)*. *Environmental Geology* 44, 862–871.
- Supartoyo, Omang, A., 2013. Peta Kawasan Rawan Bencana Gempa Bumi Provinsi Nusa Tenggara Timur. Pusat Vulkanologi dan Mitigasi Bencana Geologi, Bandung.
- Supartoyo, Surono, Putranto, E.T., 2014. Katalog Gempa Bumi Merusak di Indonesia Tahun 1612-2014, Edisi Kelima. ed. Kementerian Energi dan Sumber Daya Mineral, Bandung.
- Tang, X.W., Bai, X., Hu, J.L., Qiu, J.N., 2018. *Assessment of liquefaction-induced hazards using Bayesian networks based on standard penetration test data*. *Natural Hazards and Earth System Sciences* 18, 1451–1468. <https://doi.org/10.5194/nhess-18-1451-2018>



- Villamor, P., Almond, P., Tuttle, M.P., Giona-Bucci, M., Langridge, R.M., Clark, K., Ries, W., Bastin, S.H., Eger, A., Vandergoes, M., Quigley, M.C., Barker, P., Martin, F., Howarth, J., 2016. *Liquefaction features produced by the 2010-2011 Canterbury earthquake sequence in southwest Christchurch, New Zealand, and preliminary assessment of Paleoliquefaction features. Bulletin of the Seismological Society of America* 106, 1747–1771. <https://doi.org/10.1785/0120150223>
- Wibowo, M., 2022. *Modeling the Potential of Tsunami Hazard in Labuan Bajo Towards A Disaster-Resilient Tourism Area. Indonesian Journal of Geography* 54, 83–91. <https://doi.org/10.22146/ijg.71220>
- Widjaja, H., Zainuddin Badollahi, M., Ridwan, M., Musawantoro, M., 2022. *Disaster Management for Tourism Destination in Labuan Bajo (Case Study on Super Priority Destinations).*
- Youd, Idriss, 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* 297–313.
- Zeev, S. Ben, Goren, L., Perez, S., Toussaint, R., Clément, C., Aharonov, E., 2017. *The Combined Effect of Buoyancy and Excess Pore Pressure in Facilitating Soil Liquefaction, dalam: Poromechanics 2017 - Proceedings of the 6th Biot Conference on Poromechanics. American Society of Civil Engineers (ASCE), hlm. 107–116.* <https://doi.org/10.1061/9780784480779.013>