

DAFTAR PUSTAKA

- Andiny, A. N., Faris, F., & Adi, A. D. (2021). Re-liquefaction hazard evaluation in flow-slide affected area of Jono Oge, Central Sulawesi, Indonesia. *IOP Conference Series: Earth and Environmental Science*, 861(5), 052030. <https://doi.org/10.1088/1755-1315/861/5/052030>
- Badan Geologi Kementerian ESDM, (2011). Peta Geologi Lembar Pasangkayu, Sulawesi. Geological Agency, Ministry of Energy and Mineral Resources, Indonesia.
- BMKG Stasiun Geofisika Palu, (2023). Data Hasil Analisa Mikrotremor.
- Buana, T.W., Hermawan, W., Rahdiana, Wahyudin, Hasibuan, Wiyono, Solli, (2019). Atlas Zona Kerentanan Likuefaksi Indonesia. Badan Geologi, Kementerian ESDM.
- BWS Sulawesi III, B.S.I., (2018). Satellite Imagery LIDAR.
- BWS Sulawesi III, P.I. dan R.I., (2021). Shop Drawing Cross Section of Gumbasa Main Canal.
- Carter, M., & Bentley, S. P. (1991). *Correlations of soil properties*. <http://ci.nii.ac.jp/ncid/BA1251665X>
- Darcy, H. (1856). *Les fontaines publiques de la ville de Dijon: Exposition et application des principes à suivre et des formules à employer dans les questions de distribution d'eau : Ouvrage terminé par un appendice relatif aux fournitures d'eau de plusieurs villes, au filtrage des eaux et à la fabrication des tuyaux de fonte, de plomb, de tôle et de bitume*.
- Darendeli, M. B. (2001). *Development of a new family of normalized modulus reduction and material damping curves*. PhDT. <https://repositories.lib.utexas.edu/bitstream/2152/10396/4/darendelimb016.pdf>
- Das, B. M. (2019). *Advanced Soil Mechanics, Fifth Edition*. <https://www.taylorfrancis.com/books/9781351215183>
- Das, B.M., (2010). *Principles of geotechnical engineering, 7th ed.* Cengage Learning, Stamford, Conn.
- GEO-SLOPE International Ltd., (2014). *Dynamic Modeling with QUAKE/W An Engineering Methodology*, October 2014 Edition.
- GEO-SLOPE International Ltd, (2012). GEO-SLOPE International Ltd, Calgary, Alberta, Canada www.geo-slope.com.
- Groholski, D.R., Hashash, Y.M.A., Kim, B., Musgrove, M., Harmon, J., Stewart, J.P., (2016). Simplified Model for Small-Strain Nonlinearity and Strength in 1D Seismic Site Response Analysis. *J. Geotech. Geoenviron. Eng.* 142, 04016042. [https://doi.org/10.1061/\(ASCE\)GT.1943-5606.0001496](https://doi.org/10.1061/(ASCE)GT.1943-5606.0001496)

Hardiyatmo, H.C., (2022). *Rekayasa Gempa Untuk Analisis Struktur dan Geoteknik, 1st ed.* Gadjah mada University Press.

Hardiyatmo, H.C., (2017). *Mekanika Tanah 1, 7th ed.* Gadjah mada University Press.

Hashash, Y.M.A., (2020). *DEEPSOIL V7.0, User Manual. Department of Civil and Environmental Engineering*, University of Illinois at Urbana-Champaign 7.

Irwansyah, E., Winarko, E., Rasjid, Z.E., Bekt, R.D., (2013). Earthquake hazard zonation using peak ground acceleration (PGA) approach. *J. Phys.: Conf. Ser.* 423, 012067. <https://doi.org/10.1088/1742-6596/423/1/012067>

Jalil, A., Fathani, T.F., Satyarno, I., Wilopo, W., (2021). Nonlinear site response analysis approach to investigate the effect of pore water pressure on liquefaction in Palu. *IOP Conf. Ser.: Earth Environ. Sci.* 871, 012053. <https://doi.org/10.1088/1755-1315/871/1/012053>

JICA, J., (2023). *Countermeasure for Liquefaction-Landslide Area Report in Balaroa, Petobo, Jono Oge, Sibalaya*. PMSC IRSL JICA IP-580.

Kanno, T., (2006). A New Attenuation Relation for Strong Ground Motion in Japan Based on Recorded Data. *Bulletin of the Seismological Society of America* 96, 879–897. <https://doi.org/10.1785/0120050138>

Kiyota, T., Furuichi, H., Hidayat, R.F., Tada, N., Nawir, H., (2020). Overview of long-distance flow-slide caused by the 2018 Sulawesi earthquake, Indonesia. *Soils and Foundations* 60, 722–735. <https://doi.org/10.1016/j.sandf.2020.03.015>

Mei, X., (2018). *Pore Pressure Generation And Liquefaction Analysis Using Nonlinear, Effective Stress-Based Site Response Analysis*. University of Illinois at Urbana-Champaign.

Mei, X., Olson, S.M., Hashash, Y.M.A., (2018). Empirical porewater pressure generation model parameters in 1-D seismic site response analysis. *Soil Dynamics and Earthquake Engineering* 114, 563–567. <https://doi.org/10.1016/j.soildyn.2018.07.011>

Nurrohman, M.N., (2017). *Analisis Lapisan Batas Untuk Mengetahui Pertumbuhan Marine Fouling Pada Lambung Kapal Dibawah Garis Air Dengan Menggunakan Program Cfd*.

Okamura, M., Ono, K., Arsyad, A., Minaka, U.S., Nurdin, S., (2020). Large-scale flowslide in Sibalaya caused by the 2018 Sulawesi earthquake. *Soils and Foundations* 60, 1050–1063. <https://doi.org/10.1016/j.sandf.2020.03.016>

Oktarina, P., Fikri, F., Istiarto, (2023). Correlation of excess pore water pressure ratio on flow liquefaction phenomenon in Sibalaya – Central Sulawesi Province. *E3S Web Conf.* 429, 04013. <https://doi.org/10.1051/e3sconf/202342904013>

Olson, S.M., Mei, X., Hashash, Y.M.A., (2019). *Nonlinear Site Response Analysis with Pore - Water Pressure Generation for Liquefaction Triggering Evaluation*.

- Orense, R.P., (2015). Recent Trends in Ground Improvement Methods as Countermeasure against Liquefaction. *6th International Conference on Earthquake Geotechnical Engineering* 1-4 November 2015 Christchurch, New Zealand.
- Pakpahan, S., Ngadmanto, D., Rohadi, S., Widodo, H.S., Susilanto, P., Bmkg, P., Angkasa, J., (2015). *Analisis Kegempaan di Zona Sesar Palu Koro*, Sulawesi Tengah 6.
- Port and Harbour Research Intitute, (1997). *Handbook On Liquefaction Remediation Of Reclamed Land*.
- Pratama, A., Fathani, T.F., Satyarno, I., (2022). Mitigation plan against liquefaction potential on Gumbasa Irrigation Canal around Jono Oge area after 2018 Central Sulawesi Earthquake. IOP Conf. Ser.: *Earth Environ. Sci.* 1091, 012027. <https://doi.org/10.1088/1755-1315/1091/1/012027>
- Pratama, A., Fathani, T.F., Satyarno, I., (2021). Liquefaction potential analysis on Gumbasa Irrigation Area in Central Sulawesi Province after 2018 earthquake. IOP Conf. Ser.: *Earth Environ. Sci.* 930, 012093. <https://doi.org/10.1088/1755-1315/930/1/012093>
- PT. Aria Jasa Konsultan, PT.A.J.K., (2021). *Final Report Main Report Ground Investigation Gumbasa Irrigation Area*.
- Ruus, K., (2022). *Tesis Analisis Dan Mitigasi Stabilitas Tanggul Lumpur Sidoarjo Terhadap Potensi Likuefaksi Dan Tekanan Air Pori Tinggi*.
- Salmasi, F., Nourani, B., Abraham, J., Norouzi, R., (2021). Numerical investigation of relief well performance for decreasing uplift pressure under embankment dams. *Int. J. Environ. Sci. Technol.* 18, 2819–2830. <https://doi.org/10.1007/s13762-020-03030-2>
- Seed, B., Martin, P., Lysmer, J., (1976). Pore Water Pressure Changes During Soil Liquefaction. *Journal Of The Geotechnical Engineering Division* 102, 327.
- Sinarta, I.N., (2016). *Tegangan Pori Negatif Sebagai Paramater Stabilitas Lereng Tanah Tak Jenuh* 5.
- Standar Nasional Indonesia SNI 1726 : 2019, (2019). *National Standardization Agency of Indonesia*, SNI 1726 : 2019.
- USGS, U., (2018). Amerika Serikat: U. S. Geological Survey.
- Vucetic, M., Dobry, R., (1986). *Pore Pressure Buildup and Liquefaction at Level Sandy Sites During Earthquakes*. Department of Civil Engineering Rensselaer Polytechnic Institute Troy, New York.
- Woyshner, M.R., Yanful, E.K., (1995). *Modelling and field measurements of water percolation through an experimental soil cover on mine tailings*.
- Yegian, M.K., Vitelli, B.M., (1981). *Analysis for Liquefaction: Empirical Approach*.



Evaluasi Terhadap Release Wells Sebagai Mitigasi Likuefaksi Di Sibalaya, Kabupaten Sigi, Provinsi Sulawesi Tengah

Oktarina Purbawati, Dr. Eng. Ir. Fikri Faris, ST, M. Eng ; Dr. Ir. Istiarto, M. Eng

Universitas Gadjah Mada, 2024 | Diunduh dari <http://etd.repository.ugm.ac.id/>

UNIVERSITAS
GADJAH MADA

Youd, T.L., Perkins, D.M., (1978). Mapping Liquefaction-Induced Ground Failure Potential. J.

Geotech. Engrg. Div. 104, 433–446. <https://doi.org/10.1061/AJGEB6.0000612>