



DAFTAR PUSTAKA

- AHA Centre. (2018). *SITUATION UPDATE NO. 15-FINAL M 7.4 EARTHQUAKE & TSUNAMI Sulawesi, Indonesia*. <http://adinet.ahacentre.org/reports/view/1319>
- Asian Development Bank Consultants. (t.t.). *Laporan Pekerjaan Geolistrik 2 Dimensi Survey Aquifer Dan Justifikasi Teknik Pemilihan Titik Pengeboran Sumur Pombewe*.
- Badan Geologi, Kemen. E. (2018). *PETA GEOLOGI TATA LINGKUNGAN UNTUK PENATAAN RUANG PALU-SIGI-DONGGALA, SULAWESI TENGAH*.
- Badan Pusat Statistik Kabupaten Sigi, & Badan Meteorologi Mutiara Palu. (2020). *Curah Hujan Kabupaten Sigi*. <https://sigikab.bps.go.id/indicator/151/135/1/curah-hujan.html>
- SNI 1726, (2019).
- Baker, J. W. (2008). *An Introduction to Probabilistic Seismic Hazard Analysis(PSHA)*.
- Boulanger, R. W., & Idriss, I. M. (2014). *CPT and SPT Based Liquefaction Triggering Procedures*.
- BPPW Sulawesi Tengah. (2022). *Laporan Hand Boring Huntap Pombewe*.
- Buana, T. W., Hermawan, W., Rahdiana, R. N., Widyaningrum, R., Wahyudin, Hasibuan, G., Wiyono, & Sollu, W. P. (2019). *Atlas Zona Kerentanan Likuefaksi Indonesia*.
- Bziaz, M., Bahi, L., Ouadif, L., Bahi, A., Mansouri, H., Douiri, A., & Abbach, M. (2023). Evaluation of post liquefaction settlement and treatment and reinforcement of the soil by stone columns. *International Journal of Innovative Research and Scientific Studies*, 6(1), 102–114. <https://doi.org/10.53894/ijirss.v6i1.1113>
- GeoLogismiki, by. (2018). *CLiq v.1.7 Liquefaction assessment software from CPTU measurments*.
- Geotechnical Society, & New Zealand. Ministry of Business, I. & E. (2021). *Earthquake geotechnical engineering practice*.
- Ghani, S., & Kumari, S. (2021). Insight into the Effect of Fine Content on Liquefaction Behavior of Soil. Dalam *Geotechnical and Geological Engineering* (Vol. 39, Nomor 1). Springer Science and Business Media Deutschland GmbH. <https://doi.org/10.1007/s10706-020-01491-3>
- Gibbard, P. L., Head, M., Gibbard, P. L., Head, M. J., Walker, M. J. C., Subcommission On, T., Stratigraphy, Q., Gibbard, P. L., & Walker, M. J. C. (2010). Formal ratification of the Quaternary System/ Period and the Pleistocene Series/Epoch with a base at 2.58 Ma. *J. Quaternary Sci*, 25, 96–102. <https://doi.org/10.1002/jqs1338>
- Hall, R., & Wilson, M. E. J. (2000). *Neogene sutures in eastern Indonesia*. www.elsevier.nl/locate/jseas
- Hardiyatmo, H. C. (2022). *Rekayasa Gempa* (Nanik, Ed.; Vol. 1). Gajah Mada University Press.



Imam Abdullah, A., Puspita, R., & Hamad, H. (2020). Review of Regional Geological Structures on the Appearance of Geothermal Manifestations in the “Neck” Region of Western Sulawesi Island. *MATEC Web of Conferences*, 331, 03003. <https://doi.org/10.1051/matecconf/202033103003>

Ishihara, K. (1985). *INTERNATIONAL SOCIETY FOR SOIL MECHANICS AND GEOTECHNICAL ENGINEERING*. <https://www.issmge.org/publications/online-library>

Ishihara, K., & Yoshimine, M. (1992). EVALUATION OF SETTLEMENTS IN SAND DEPOSITS FOLLOWING LIQUEFACTION DURING EARTHQUAKES. Dalam *SOILS AND FOUNDATIONS* (Vol. 32, Nomor 1).

Iwasaki, T., Arakawa, T., & Tokida, K.-I. (1984). *Simplified procedures for assessing soil liquefaction during earthquakes*.

Kepala Stasiun Geofisika Kelas I Palu. (2019). *Pengukuran Mikrotremor Single Station dan Analisis Parameter Bahaya Gempabumi di Kawasan Perencanaan RDTR Perkotaan Kabupaten Sigi*.

Koester, J. P., & Tsuchida, T. (1988). *EARTHQUAKE-INDUCED LIQUEFACTION OF FINE-GRAINED SOILS-CONSIDERATIONS FROM JAPANESE RESEARCH* oby V7.

Kramer, S. L. (1996). *Geotechnical Earthquake Engineering*.

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>

M. Das, B., Bahasa, A., & Noor, L. (1995). *Mekanika Tanah (Prinsip-prinsip Rekayasa Geoteknik)*.

Lai, C. G., Bozzoni, F., Conca, D., Famà, A., Özcebe, A. G., Zuccolo, E., Meisina, C., Bonì, R., Bordoni, M., Cosentini, R. M., Martelli, L., Poggi, V., Viana da Fonseca, A., Ferreira, C., Rios, S., Cordeiro, D., Ramos, C., Molina-Gómez, F., Coelho, C., ... Kelesoglu, M. K. (2021). Technical guidelines for the assessment of earthquake induced liquefaction hazard at urban scale. *Bulletin of Earthquake Engineering*, 19(10), 4013–4057. <https://doi.org/10.1007/s10518-020-00951-8>

Lees, J. J., Ballagh, R. H., Orense, R. P., & van Ballegooij, S. (2015). CPT-based analysis of liquefaction and re-liquefaction following the Canterbury earthquake sequence. *Soil Dynamics and Earthquake Engineering*, 79, 304–314. <https://doi.org/10.1016/j.soildyn.2015.02.004>

Liu, J. (2020). Influence of Fines Contents on Soil Liquefaction Resistance in Cyclic Triaxial Test. *Geotechnical and Geological Engineering*, 38(5), 4735–4751. <https://doi.org/10.1007/s10706-020-01323-4>



Luna, R., & David Frose, J. (1998). SPATIAL LIQUEFACTION ANALYSIS SYSTEM. *JOURNAL OF COMPUTING IN CIVIL ENGINEERING / JANUARY 1998.*

Madabhushi, G. S. P., & Haigh, S. K. (2012). How Well Do We Understand Earthquake Induced Liquefaction? *Indian Geotechnical Journal*, 42(3), 150–160.
<https://doi.org/10.1007/s40098-012-0018-2>

Marshak, S. (2008). *Earth: Portrait of a Planet-Chapter 19: Vol. 3rd Edition*. W. W. Norton & Company, Inc.

Martin, G. R., Lew, M., Arulmoli, K., Baez, J. I., Blake, T. F., Earnest, J., Gharib, F., Goldhammer, J., Hsu, D., Kupferman, S., O'tousa, J., Real, C. R., Reeder, W., Simantob, E., & Youd, T. L. (1999). *RECOMMENDED PROCEDURES FOR IMPLEMENTATION OF DMG SPECIAL PUBLICATION 117 GUIDELINES FOR ANALYZING AND MITIGATING LIQUEFACTION HAZARDS IN CALIFORNIA* Implementation Committee: Co-chairs and Editors.

Mason, H. B., Gallant, A. P., Hutabarat, D., & Wartman, J. (2019). *Geotechnical Reconnaissance: The 28 September 2018 M7.5 Palu-Donggala, Indonesia Earthquake*.
<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., Faizal, L., Harnanto, D. S., Kawanda, A., Himawan, A., & Yasin, W. (2021). East Palu Valley flowslides induced by the 2018 MW 7.5 Palu-Donggala earthquake. *Geomorphology*, 373. <https://doi.org/10.1016/j.geomorph.2020.107482>

Microsoft Corporation, Maxar, & CNES. (2023). *PETA*. <https://www.google.com/maps/@-0.9458796,119.8921638,1139m/data=!3m1!1e3?entry=ttu>

Miller, R. (2021). *Marlborough District Council -Liquefaction Assessment Guidelines*. www.marlborough.govt.nz.

New Zealand Geotechnical Society, & New Zealand. Ministry of Business, I. & E. (2021). *Earthquake geotechnical engineering practice (Ground Improvement of Soils Prone to Liquefaction): Vol. Module 5*.

New Zealand. Ministry of Business, I. & E., New Zealand. Earthquake Commission., & New Zealand. Ministry of Science and Innovation. (2017). *Planning and engineering guidance for potentially liquefaction-prone land : Resource Management Act and Building Act aspects*.

Peuchen, J., Pisanò, F., & Hicks, M. A. (Michael A.). (2018). *Cone penetration testing 2018 : proceedings of the 4th international symposium on cone penetration testing (CPT'18), 21-22 June, 2018, Delft, the Netherlands*. CRC Press.

Peraturan Gubernur Sulawesi Tengah Nomor 10, (2019).



PusGen. (2017). *Peta sumber dan bahaya gempa Indonesia tahun 2017* (Pertama).

Robertson, P. K. (1990). Soil classification using the cone penetration test. *Canadian Geotechnical Journal*, 27(1), 151–158. <https://doi.org/10.1139/t90-014>

Robertson, P. K. (2010). *Soil Behaviour Type from the CPT: an update*.

Robertson, P. K., & Cabal, K. L. (2010). Estimating soil unit weight from CPT. *2nd International Symposium on Cone Penetration Testing, Huntington Beach, CA, USA, May 2010*.

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>

Seed, R. B., Moss, R. E. S., Kammerer, A. M., & Wu, J. (2001). *Recent Advances in Soil Liquefaction Engineering and Seismic Site Response Evaluation*. <https://scholarsmine.mst.edu/icrageesd/04icrageesd/session14/2>

Serikawa, Y., Miyajima, M., Yoshida, M., & Matsuno, K. (2019). Inclination of houses induced by liquefaction in the 2018 Hokkaido Iburi-tobu earthquake, Japan. *Geoenvironmental Disasters*, 6(1). <https://doi.org/10.1186/s40677-019-0130-z>

Setiawan, H., Serikawa, Y., Nakamura, M., Miyajima, M., & Yoshida, M. (2017). Structural damage to houses and buildings induced by liquefaction in the 2016 Kumamoto Earthquake, Japan. *Geoenvironmental Disasters*, 4(1). <https://doi.org/10.1186/s40677-017-0077-x>

Seyed-Viand, S. M., & Eseller-Bayat, E. E. (2022). Partial Saturation as a Liquefaction Countermeasure: A Review. Dalam *Geotechnical and Geological Engineering* (Vol. 40, Nomor 2, hlm. 499–530). Springer Science and Business Media Deutschland GmbH. <https://doi.org/10.1007/s10706-021-01926-5>

Sikandar, P., & Christen, E. W. (2012). Geoelectrical Sounding for the Estimation of Hydraulic Conductivity of Alluvial Aquifers. *Water Resources Management*, 26(5), 1201–1215. <https://doi.org/10.1007/s11269-011-9954-3>

Sonmez, H. (2003). Modification of the liquefaction potential index and liquefaction susceptibility mapping for a liquefaction-prone area (Inegol, Turkey). *Environmental Geology*, 44(7), 862–871. <https://doi.org/10.1007/s00254-003-0831-0>

Srbulov, M. (2008). *GEOTECHNICAL, GEOLOGICAL AND EARTHQUAKE ENGINEERING* (Volume 9). www.springer.com/series/6011

Stasiun Geofisika Kelas I Palu. (2019). *Pengukuran Mikrotremor Single Station dan Analisis Parameter Bahaya Gempabumi di Kawasan Perencanaan RDTR Perkotaan Kabupaten Sigi*.



Pemilihan Lokasi Hunian di Zona Rentan Bencana Likuefaksi (Studi Kasus: Hunian Tetap Pombewe

dan

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Susumu, Y. (2007). *Earthquake Geotechnical Engineering: Vol. Chapter 16* (P. Kyriazis D.,

Ed.; Volume 6). Springer.

Technical Commission on Seismic Microzonation. (2018). *Land Use Guidelines for Areas Affected by Liquefaction (LQ)*.

Terzaghi, K., B. Peck, R., & Mesri, G. (1996). *Soil Mechanic in Engineering Practice: Vol. 3 Edition*.

Towhata, I. (2007a). *Geotechnical Earthquake Engineering*. <https://doi.org/10.1007/978-3-540-35783-4>

Towhata, I. (2007b). *Geotechnical Earthquake Engineering (Springer Series in Geomechanics and Geoengineering)*.

Youd, T. L., Corbett, ;, Hansen, M., & Bartlett, S. F. (2002). *Revised Multilinear Regression Equations for Prediction of Lateral Spread Displacement*. <https://doi.org/10.1061/ASCE1090-02412002128:121007>

Zhang, G., Robertson, P. K., & Brachman, R. W. I. (2002). Estimating liquefaction-induced ground settlements from CPT for level ground. *Canadian Geotechnical Journal*, 39(5), 1168–1180. <https://doi.org/10.1139/t02-047>