



DAFTAR PUSTAKA

- Ambroseys, N. N. (1988). Engineering seismology: Part II. *Earthquake Engineering & Structural Dynamics*, 17(1), 51–105. <https://doi.org/10.1002/eqe.4290170102>
- Andiny, A. N. (2021). *Analisis Potensi Likuefaksi Dan Longsor Aliran Akibat Gempa Palu 2018 Pada Area Jono Oge, Sulawesi Tengah*. Universitas Gadjah Mada.
- 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). <https://doi.org/10.1088/1755-1315/861/5/052030>
- Azhari, J., Vilda, Oktaviana, I. S., & Irdhiani. (2023). Study of Liquefaction Potential Using Cone Penetration Test at Balaroa Village Palu. *IOP Conference Series: Earth and Environmental Science*, 1157(1), 012019. <https://doi.org/10.1088/1755-1315/1157/1/012019>
- Bellier, O., Sébrier, M., Beaudouin, T., Villeneuve, M., Braucher, R., Bourlès, D., Siame, L., Putranto, E., & Pratomo, I. (2001). High slip rate for a low seismicity along the Palu-Koro active fault in central Sulawesi (Indonesia). *Terra Nova*, 13(6), 463–470. <https://doi.org/10.1046/j.1365-3121.2001.00382.x>
- Bensoula, M., Bousmaha, M., & Missoum, H. (2022). Relative density influence on the liquefaction potential of sand with fines. *Revista de La Construcción*, 21(3), 692–702. <https://doi.org/10.7764/RDLC.21.3.692>
- Daryono. (2016). *Paleoseismologi Tropis Indonesia (Dengan Studi Kasus di Sesar Sumatra, Sesar Palukoro-Matano, dan Sesar Lembang)*.
- Das, B. M. (2011). *Principles of Soil Dynamics* (4th ed., Vol. 1). Cengage Learning.
- Day, R. W. (2002). *Geotechnical Earthquake Engineering Handbook*. www.iccsafe.org
- Ebid. (2015). *Simple Mathematical Approach to Simulate Granular Fill Behavior under Dynamic Compaction*.
- FHWA. (1995). *Dynamic Compaction-Geotechnical Engineering Circular No.1*. Office of Technology Application 400 seventh street.
- Finn, W. D. L., Bransby, P. L., & Pickering, D. J. (1970). Effect of Strain History on Liquefaction of Sands. *Journal of the Soil Mechanics and Foundations Division*, 96.
- Hall, R., Cottam, M. A., & Wilson, M. E. J. (2011). The SE Asian gateway: history and tectonics of the Australia–Asia collision. *Geological Society, London, Special Publications*, 355(1), 1–6. <https://doi.org/10.1144/SP355.1>
- Hardiyatmo, H. C. (2020). *Analisis dan Perancangan Fondasi I* (4th ed.). Gadjah Mada University Press.
- Hazarika, H., Rohit, D., Pasha, S. M. K., Maeda, T., Masyhur, I., Arsyad, A., & Nurdin, S. (2021). Large distance flow-slide at Jono-Oge due to the 2018 Sulawesi Earthquake, Indonesia. *Soils and Foundations*, 61(1), 239–255. <https://doi.org/10.1016/J.SANDF.2020.10.007>
- H.C. Hardiyatmo. (2022). *Rekayasa Gempa* (C. Hardiyatmo, Ed.; 1st ed., Vol. 1). UGM Publisher.



Idriss and Boulanger. (2008). Idriss, Boulanger - 2008 - Soil Liquefaction During Earthquakes. *Soil Liquefaction During Earthquakes*.

Idriss, I. M., & Boulanger, R. W. (2004). Evaluating The Potential for Liquefaction or Cyclic Failure of Silts and Clays. *Neuroscience Letters*.

Ishihara . K. (1985). Stability of Natural Deposit during Earthquakes. *International Conference on Soil Mechanics and Foundation Engineering*.

Ishihara, K. (1996). *Soil Behaviour in Earthquake Geotechnics*.
<https://doi.org/10.1093/oso/9780198562245.001.0001>

Iwasaki, T. dkk. (1981). *Scholars' Mine Scholars' Mine International Conferences on Recent Advances in Geotechnical Earthquake Engineering*.
<https://scholarsmine.mst.edu/icrageesd/01icrageesd/session02/12>

Kanno, T., Narita, A., Morikawa, N., Fujiwara, H., & 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>

Kansai, U. dan T. (2018). *The Fukushima and Tohoku Disaster A Review of The Five Years Reconstruction Effort*. Elsevier Inc.

Katili, J. A. (1970). Large transcurrent faults in Southeast Asia with special reference to Indonesia. *Geologische Rundschau*, 59(2), 581–600.
<https://doi.org/10.1007/BF01823809>

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(3), 722–735. <https://doi.org/10.1016/j.sandf.2020.03.015>

Kosa Kenji, Nabeshima, N., & Sato, T. (2021). Damage To Teluk Palu Bridge In The 2018 Sulawesi Earthquake, Indonesia. *Journal of Japan Society of Civil Engineers, Ser. A1 (Structural Engineering & Earthquake Engineering (SE/EE))*, 77(4), I_96-I_106. https://doi.org/10.2208/jscejseee.77.4_I_96

Kramer, S. L. (1996). *Geotechnical Earthquake Engineering*. Prentice-Hall,Inc.

Lukas. (1995). *Geotechnical Engineering Circular No. 1 – Dynamic Compaction*. Washington: Federal Highway Administration.

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. <https://doi.org/10.5614/jts.2018.25.1.7>

Maulana, A., Ahmad, R., & Fikri, F. (2020). Liquefaction potential analysis on runway construction based on soil engineering properties. *E3S Web of Conferences*, 156. <https://doi.org/10.1051/e3sconf/202015602003>

Mayne, P. W., Jones, J. S., & Dumas, J. C. (1984). Ground Response Aspect to Dynamic Compaction. *ASCE Journal of Geotechnical Engineering*, 110(757–774).

Menard,danBroise.(1975).Theoretical and Practical Aspects of Dynamic Consolidation. *Geotechnique*.

Mitchell, J. (2008). *Mitigation of Liquefaction Potential of Silty Sands*. 433–451.
[https://doi.org/10.1061/40962\(325\)15](https://doi.org/10.1061/40962(325)15)



- Muhanifah, H., Adi, A. D., & Faris, F. (2021). Liquefaction investigation of Balaroa, Central Sulawesi on liquefied and non-liquefied areas. *IOP Conference Series: Earth and Environmental Science*, 861(5), 052039. <https://doi.org/10.1088/1755-1315/861/5/052039>
- Nasruroh, A., Sunardi, B., Hayqal Hiola, M. F., & Subakti, H. (2021). Simulation Of Peak Ground Acceleration And Pseudo Spectral Acceleration Of Palu Earthquake September 28th 2018. *Spektra: Jurnal Fisika Dan Aplikasinya*, 6(1), 49–60. <https://doi.org/10.21009/SPEKTRA.061.06>
- New Zealand Geotechnical Society. (2017). Geotechnical Earthquake Engineering Practice- Module 5: Ground improvement of soils prone to liquefaction. In *MBIE Geotechnical Earthquake Engineering Practice , Volume 6*.
- Nicholson. (2015). Deep Densification Soil Improvement and Ground Modification Methods. *Duxford: Elsevier*.
- Nurdin dkk. (2019). *Proceeding 23rd Annual National Conference on Geotechnical Engineering*.
- Ohsaki, Y. (1969). The Effects of Local Soil Conditions upon Earthquake Damage. *Proceedings of the Seventh International Conference on Soil Mechanics and Foundation Engineering*.
- Patria, A., & Putra, P. S. (2020). Development of the Palu–Koro Fault in NW Palu Valley, Indonesia. *Geoscience Letters*, 7(1). <https://doi.org/10.1186/s40562-020-0150-2>
- Poulos, H. G. (2005). Pile Behavior—Consequences of Geological and Construction Imperfections. *Journal of Geotechnical and Geoenvironmental Engineering*, 131(5), 538–563. [https://doi.org/10.1061/\(ASCE\)1090-0241\(2005\)131:5\(538\)](https://doi.org/10.1061/(ASCE)1090-0241(2005)131:5(538))
- Pratama, A., Fathani, T. F., & Satyarno, I. (2021a). Liquefaction potential analysis on Gumbasa Irrigation Area in Central Sulawesi Province after 2018 earthquake. *IOP Conference Series: Earth and Environmental Science*, 930(1). <https://doi.org/10.1088/1755-1315/930/1/012093>
- Pratama, A., Fathani, T. F., & Satyarno, I. (2021b). Liquefaction potential analysis on Gumbasa Irrigation Area in Central Sulawesi Province after 2018 earthquake. *IOP Conference Series: Earth and Environmental Science*, 930(1), 012093. <https://doi.org/10.1088/1755-1315/930/1/012093>
- PUSGEN. (2017). *Peta sumber dan bahaya gempa Indonesia tahun 2017*.
- Rangin, C., Le Pichon, X., Mazzotti, S., Pubellier, M., Chamot-Rooke, N., Aurelio, M., Walpersdorf, A., & Quebral, R. (1999). Plate convergence measured by GPS across the Sundaland/Philippine Sea Plate deformed boundary: the Philippines and eastern Indonesia. *Geophysical Journal International*, 139(2), 296–316. <https://doi.org/10.1046/j.1365-246x.1999.00969.x>
- Reuters. (2018). *Indonesia's quake-hit Sulawesi island from above*. Reuters. <https://www.reuters.com/news/picture/indonesias-quake-hit-sulawesi-island-from-idUSR23SN1>
- Ruus.K. (2022). *Analisis Dan Mitigasi Stabilitas Tanggul Lumpur Sidoarjo Terhadap Potensi Likuefaksi Dan Tekanan Air Pori Tinggi*. Universitas Gadjah Mada.



- Sarsito, D. A. (2010). *Pemodelan Geometrik dan Kinematik Kawasan Sulawesi - Kalimantan Timur berdasarkan data GNSS-GPS dan gaya berat global.*
- 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(1), 195–200. <https://doi.org/10.1007/s10346-018-1114-x>
- Seed, H. B. (1985). Influence of SPT Procedures in Soil Liquefaction Resistance Evaluations. *Journal of The Geotechnical Engineering Division, ASCE*.
- Seed, H., & Idriss, I. M. (1971). *National Technical Information Servicer Simplified Procedure For Evaluating Soil Liquefaction Potential.*
- Seed H.B. (1968). Landslide during Earthquakes. *Journal of the Soil Mechanics and Foundations Division*, 94.
- Socquet, A., Simons, W., Vigny, C., McCaffrey, R., Subarya, C., Sarsito, D., Ambrosius, B., & 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: Solid Earth*, 111(B8). <https://doi.org/10.1029/2005JB003963>
- Sonmez, H. (2003). Modification of the Liquefaction Potential Index and Liquefaction Susceptibility Mapping for a Liquefaction-Prone Area (Inegol, Turkey). In *Environmental Geology*. <https://doi.org/10.1007/s00254-003-0831-0>
- Sonmez, H., & Gokceoglu, C. (2005). A liquefaction severity index suggested for engineering practice. *Environmental Geology*, 48(1), 81–91. <https://doi.org/10.1007/s00254-005-1263-9>
- Sukamto, R., 1973, Peta Geologi Tinjau Lembar Palu, Sulawesi, Pusat Penelitian dan Pengembangan Geologi
- Tarbuck, L. (2017). *GLOBAL EDITION Earth An Introduction to Physical Geology* Tarbuck • Lutgens • Illustrated by Tasa.
- Terzaghi, K., Peck, R. B., & Mesri, G. (1996). *Soil Mechanics in Engineering Practice.* In John wiley & sons Inc. John wiley & sons Inc.
- Thein, P. S., Pramumijoyo, S., Brotopuspito, K. S., Kiyono, J., Wilopo, W., Furukawa, A., Setianto, A., & 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., & Holzer, T. L. (2003). Liquefaction Potential Index: Field Assessment. *Journal of Geotechnical and Geoenvironmental Engineering*. [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). *Springer Series in Geomechanics and Geoengineering*.
- Tsuchida, K. J. P. (1988). *Earthquake-Induced Liquefaction of Fine-Grained Soils- Considerations From Japanese Research.*
- USGS. (2018). *M7,5 Palu, Indonesia Earthquake of September 28 2018.*
- Verstappen, H. T. (2010). Indonesian Landforms and Plate Tectonics. In *Jurnal Geologi Indonesia* (Vol. 5, Issue 3).



- Walpersdorf, A., Vigny, C., Subarya, C., & Manurung, P. (1998). Monitoring of the Palu-Koro Fault (Sulawesi) by GPS. *Geophysical Research Letters*, 25(13), 2313–2316.
<https://doi.org/https://doi.org/10.1029/98GL01799>
- Wang, W. (1979). Some Findings in Soil Liquefaction. *Water Conservancy and Hydroelectric Power Scientific Research Institute, Beijing, China.*
- Widyatmoko . A. (2021). *Analisis Potensi Dan Mitigasi Likuefaksi Bangunan Pengendali Sedimen Sungai Paneki*. Universitas Gadjah Mada.
- Widyatmoko, A., Legono, D., & Hardiyatmo, H. C. (2021). Potential Study of Liquefaction in the Downstream Area of Jono Oge-Paneki River, Central Sulawesi. *IOP Conference Series: Earth and Environmental Science*, 930(1), 012084.
<https://doi.org/10.1088/1755-1315/930/1/012084>
- Yoshimine, M., Nishizaki, H., Amano, K., & Hosono, Y. (2006). Flow deformation of liquefied sand under constant shear load and its application to analysis of flow slide of infinite slope. *Soil Dynamics and Earthquake Engineering*, 26(2), 253–264.
<https://doi.org/https://doi.org/10.1016/j.soildyn.2005.02.016>
- Youd, T., Tinsley, J. C., Perkins, D. M., King, E. J., & Preston, R. F. (1979). *Liquefaction Potential MAP Of San Fernando Valley, California*. 37–48.
- Zakariya, A., Rifa'i, A., & Ismanti, S. (2023). Ground Motion and Liquefaction Study at Opak River Estuary Bantul. *IOP Conference Series: Earth and Environmental Science*, 1244(1), 012032. <https://doi.org/10.1088/1755-1315/1244/1/012032>
- Zhang, G., Robertson, P. K., & Brachman, R. W. I. (2004). Estimating Liquefaction-Induced Lateral Displacements Using the Standard Penetration Test or Cone Penetration Test. *Journal of Geotechnical and Geoenvironmental Engineering*.
[https://doi.org/10.1061/\(asce\)1090-0241\(2004\)130:8\(861\)](https://doi.org/10.1061/(asce)1090-0241(2004)130:8(861))