DAFTAR PUSTAKA

Ambraseys, N. N. 1988. “Engineering seismology: Part II.” *Earthquake Engineering & Structural Dynamics* 17(1): 51–105.

Andrews, Desmond C A, dan Geoffrey R Martin. 2000. “Criteria for liquefaction of silty soils.” *Proc., 12th World Conf. on Earthquake Engineering*: 1–8.

Armstrong, Richard J., dan Erik J. Malvick. 2016. “Practical considerations in the use of liquefaction susceptibility criteria.” *Earthquake Spectra* 32(3): 1941–50.

Askaviolita. 2023. Universitas Gadjah Mada “Analisis Potensi Likuefaksi dan Evaluasi Pergantian Tanah sebagai Metode Mitigasi pada Pembangunan Ruas Jalan Tol Solo – Yogyakarta – NYIA Kulon Progo.” Universitas Gadjah Mada.

Badan Standardisasi Nasional. 2008a. *SNI 1964:2008 Cara uji Berat Jenis Tanah*. Jakarta: Badan Standardisasi Nasional.

———. 2008b. *SNI 1965:2008 Cara Uji Penentuan Kadar Air untuk Tanah dan Batuan di Laboratorium*. Jakarta: Badan Standardisasi Nasional.

———. 2008c. *SNI 1966:2008 Cara uji penentuan batas plastis dan indeks plastisitas tanah*. Jakarta: Badan Standardisasi Nasional.

———. 2008d. *SNI 1967:2008 Cara uji penentuan batas cair tanah*. Jakarta: Badan Standardisasi Nasional.

———. 2008e. *SNI 2827:2008 Cara uji penetrasi lapangan dengan alat sondir*. Jakarta: Badan Standardisasi Nasional.

———. 2008f. *SNI 3422:2008 Cara Uji Penentuan Batas Susut Tanah*. Jakarta: Badan Standardisasi Nasional.

———. 2011. *SNI 2812:2011 Cara uji konsolidasi tanah satu dimensi*. Jakarta: Badan Standardisasi Nasional.

———. 2012. 3638 *SNI 3638:2012 Metode Uji Kuat Tekan-Bebas Tanah Kohesif*. Jakarta: Badan Standardisasi Nasional.

———. 2016. *SNI 2833:2016 Perencanaan Jembatan Terhadap Beban Gempa*. Jakarta: Badan Standardisasi Nasional.

———. 2017a. *SNI 4148-1:2017 Prosedur Pengambilan dan Pengiriman Sampel Tanah*. Jakarta: Badan Standarisasi Nasional.

———. 2017b. 8460 *SNI 8460:2017 Persyaratan Perancangan Geoteknik*. Jakarta: Badan Standardisasi Nasional.

———. 2018a. *SNI 2813:2018 Cara Uji Kuat Geser Langsung Tanah Terkonsolidasi dan Terdrainase*. Jakarta: Badan Standardisasi Nasional.

———. 2018b. 20 *SNI 3427:2018 Cara uji analisis ukuran butir tanah*. Jakarta: Badan Standardisasi Nasional.

———. 2019. *SNI 4153:2019 Metode Uji Penetrasi Standar (SPT) dan Pengambilan Contoh Tanah Dengan Tabung Belah*. Jakarta: Badan Standardisasi Nasional.

Boore, David M., Jonathan P. Stewart, Emel Seyhan, dan Gail M. Atkinson. 2014. "NGA-West2 equations for predicting PGA, PGV, and 5% damped PSA for shallow crustal earthquakes." *Earthquake Spectra* 30(3): 1057–85.

Boulanger, R. W., dan I. M. Idriss. 2014. "CPT and SPT based liquefaction triggering procedures, Report UCD/CGM-10/2." *Center for Geotechnical Modeling* (April): 1–138.

Boulanger, Ross W., dan Katerina Ziotopoulou. 2022. "A Sand Plasticity Model for Earthquake Engineering." (March).

Bray, Jonathan D., dan Rodolfo B. Sancio. 2006. "Assessment of the Liquefaction Susceptibility of Fine-Grained Soils." *Journal of Geotechnical and Geoenvironmental Engineering* 132(9): 1165–77.

Buana, Taufiq Wira et al. 2019. Badan Geologi Kementrian Energi dan Sumber Daya Mineral *Atlas Zona Kerentanan Likuefaksi Indonesia*. I. ed. Andiani dan Sugalang. Jakarta: Badan Geologi.

Campbell, Kenneth W., dan Yousef Bozorgnia. 2014. "NGA-West2 ground motion model for the average horizontal components of PGA, PGV, and 5% damped linear acceleration response spectra." *Earthquake Spectra* 30(3): 1087–1114.

Chiou, Brian S.J., dan Robert R. Youngs. 2014. "Update of the Chiou and Youngs NGA model for the average horizontal component of peak ground motion and response spectra." *Earthquake Spectra* 30(3): 1117–53.

Departemen Kimpraswil. 2002. *Panduan Geoteknik 4 (Desain dan Konstruksi)*.

Direktorat Jenderal Bina Marga. 2020. 2020 Direktorat Jendral Bina Marga *Spesifikasi Umum Untuk Jalan Bebas Hambatan dan Jalan Tol*. Jakarta.

———. 2024. *Manual Desain Perkerasan Jalan 2024*. I. Jakarta: Kementerian Pekerjaan Umum dan Perumahan Rakyat.

Groholski, David R. et al. 2016. "Simplified Model for Small-Strain Nonlinearity and Strength in 1D Seismic Site Response Analysis." *Journal of Geotechnical and Geoenvironmental Engineering* 142(9).

Hardiyatmo, Hary Christady. 2022. *Rekayasa Gempa untuk Analisis Struktur & Geoteknik*. Yogyakarta: Gadjah Mada University Press.

Hashash, Youssef M A. 2024. *Deepsoil Version 7.0 User Manual*. Champaign: University of Illinois.

Ishihara, K. 1985. "Stability of natural deposits during earthquakes." *Proc. 11th international conference on soil mechanics and foundation engineering, San Francisco, August 1985. Vol. 1, (Balkema)*: 321–76.

Iwasaki, T, K Tokida, dan F Tatsuoka. 1981. "Soil Liquefaction Potential Evaluation with Use of the Simplified Procedure." *International Conferences on Recent Advances in Geotechnical Earthquake Engineering and Soil Dynamics*: 209–14.

Jalil, A., T. F. Fathani, I. Satyarno, dan W. Wilopo. 2021. "Nonlinear site response analysis approach to investigate the effect of pore water pressure on liquefaction in Palu." In *IOP Conference Series: Earth and Environmental Science*,.

Kementrian Pekerjaan Umum dan Perumahan Rakyat Republik Indonesia. 2020. *Spesifikasi Umum Jalan Bebas Hambatan dan Jalan Tol*.

Kevin, Paulus, dan Muhrozi Muhrozi. 2023. "The Preliminary Study of Liquefaction Susceptibility Map in the Yogyakarta-Bawen Toll Road Sections I and II, Indonesia." *Civil Engineering Dimension* 25(1): 29–36.

Kishida, Hideaki. 1970. "Characteristics of liquefaction of level sandy ground during the Tokachioki earthquake." *Soils and Foundations* 10(2): 103–11.

Kramer, Steven L. 1996. *Geotechnica Earthquake Engineering*. Prentice Hall.

Kumar, Divesh Ranjan, Pijush Samui, dan Avijit Burman. 2023. "Determination of Best Criteria for Evaluation of Liquefaction Potential of Soil." *Transportation Infrastructure Geotechnology* 10(6): 1345–64.

Matasović, Neven, dan Mladen Vucetic. 1995. "Generalized cyclic-degradation-porepressure generation model for clays." *Journal of Geotechnical Engineering* 121(1): 33–42.

Oktarina, Purbawati, Faris Fikri, dan Istiarto. 2023. "Correlation of excess pore water pressure ratio on flow liquefaction phenomenon in Sibalaya Central Sulawesi Province." *E3S Web of Conferences* 429.

Olson, Scott M., Xuan Mei, dan Youssef M. A. Hashash. 2020. "Nonlinear Site Response Analysis with Pore-Water Pressure Generation for Liquefaction Triggering Evaluation." *Journal of Geotechnical and Geoenvironmental Engineering* 146(2): 1–17.

PT. Adhi Karya. 2022. *Laporan Analisis Kegempaan Untuk Tol Serang - Panimbang*. Jakarta.

Pusat Gempabumi dan Tsunami. 2018. *Katalog Gempa Signifikan dan Merusak 1874-2017*. ed. Tiar Prasetya. Jakarta: Pusat Gempa Bumi dan Tsunami.

Pusat Studi Gempa Nasional. 2017. *Peta Sumber dan Bahaya Gempa Indonesia*. I. Jakarta: Puslitbang Perumahan dan Pemukiman.

Pusat Studi Geologi. 2021. "Peta Patahan Aktif Indonesia."

Ratman, N., dan S. Gafoer. 1998. "Peta Geologi Lembar Jawa Bagian Barat."

Satker Pelaksanaan Jalan Bebas Hambatan Serang - Panimbang. 2024. *Paparan Pembangunan Jalan Tol Serang - Panimbang Seksi III (Cileles - Panimbang) 23 Maret 2024*. Rangkasbitung.

Seed, H. Bolton, dan I M Idriss. 1971. Earthquake Engineering Research Center *Simplified Procedure for Evaluating Soil Liquefaction Potential*.

Seed, R. B. et al. 2003. "Recent Advances in Soil Liquefaction Engineering: a Unified and Consistent Framework." 3(March 2003).

Serafini, David C., dan Vlad Perlea. 2010. "Comparison of Liquefaction Triggering Analysis Approaches for an Embankment Dam and Foundation." 10: 0–11.

Setyobudianto, Asep. 2024. "Analisis Potensi Likuefaksi dan Penggunaan Stone Column sebagai Mitigasinya pada Pembangunan Jalan Tol Solo - Yogyakarta - NYIA Kulonprogo (Seksi 1.2 STA 22+475 - STA 29+000)." Universitas Gadjah Mada.

Shi, Ming, Lianjin Tao, dan Zhigang Wang. 2024. "Study on the Influence of Deep Soil

Liquefaction on the Seismic Response of Subway Stations." *Applied Sciences (Switzerland)* 14(6).

Sonmez, H. 2003. "Modification of the liquefaction potential index and liquefaction susceptibility mapping for a liquefaction-prone area (Inegol, Turkey)." *Environmental Geology* 44(7): 862–71.

Sonmez, H., dan C. Gokceoglu. 2005. "A liquefaction severity index suggested for engineering practice." *Environmental Geology* 48(1): 81–91.

Stewart, David, dan Ray Knox. 1995. "What is the Maximum Depth Liquefaction Can Occur?" *Third International Conference on Recent Advances in Geotechnical Earthquake Engineering and Soil Dynamics*: 1157–61.

Terzaghi, Karl. 1950. Application of Geology to Engineering Practice *Mechanism of Landslides*.

United States Geological Survey. 2024. "Earthquake Record From 1990-2024."

Vilhar, Brinkgreve, dan Zampich. 2018. "PLAXIS The PM4Sand model 2018."

Vucetic, Mladen, dan Ricardo Dorby. 1986. "Pore pressure Buildup and Liquefaction Level Sandy Sites During Earthquakes."

Wang W. S. 1979. "Some Findings in Soil Liquefaction." *Water Conservancy and Hydroelectric Power Scientific Research Institute*.

Yegian, M K, dan B M Vitelli. 1981. "Analysis for Liquefaction : Empirical Approach." *International Conferences on Recent Advances in Geotechnical Earthquake Engineering and Soil Dynamics* (Int. Conf. Recent Adv. Geotech. Earthq. Eng. Soil Dyn.): 1–6.

Yoshimine, Mitsutoshi, Hiroto Nishizaki, Kei Amano, dan Yasuyo Hosono. 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(2-4 SPEC. ISS.): 253–64.

Youd, T. Leslie, dan David M. Perkins. 1978. "Mapping Liquefaction-Induced Ground Failure Potential." *ASCE J Geotech Eng Div* 104(4): 433–46.

Zhang, G., P. K. Robertson, dan R. W. I. Brachman. 2004. "Estimating Liquefaction-Induced Lateral Displacements Using the Standard Penetration Test or Cone Penetration Test." *Journal of Geotechnical and Geoenvironmental Engineering* 130(8): 861–71.