



## DAFTAR PUSTAKA

- Agustina, S. (2016). *Potensi Likuifaksi Dan Prediksi Penurunan Tanah Setelah Gempa Di Kota Yogyakarta Dan Kabupaten Bantul.*
- Badan Geologi Kementerian Energi dan Sumber Daya Mineral. (2019). *Zona kerentanan likuefaksi indonesia.* 022.
- Badan Standardisasi Nasional. (2019). *SNI 1726:2019 Tata cara perencanaan ketahanan gempa untuk struktur bangunan gedung dan non gedung.*
- Badan Standardisasi Nasional Indonesia. (2016). *SNI 2833:2016 Perencanaan Jembatan Terhadap Beban Gempa.* 1–70.
- Boore, D. M., Stewart, J. P., Seyhan, E., & Atkinson, G. M. (2014). NGA-West2 equations for predicting PGA, PGV, and 5% damped PSA for shallow crustal earthquakes. *Earthquake Spectra*, 30(3), 1057–1085.  
<https://doi.org/10.1193/070113EQS184M>
- Bowles, J. E. (1997). *Foundation Analysis and Design International Fifth Edition.*
- Brinkgreve, R. B. J., & Broere, W. (2006). *Plaxis 2D Version 8 Reference Manual.*
- Campbell, K. W., & Bozorgnia, Y. (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.  
<https://doi.org/10.1193/062913EQS175M>
- Chiou, B. S. J., & Youngs, R. R. (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), 1117–1153. <https://doi.org/10.1193/072813EQS219M>
- Day, R. W. (2012). *Geotechnical Earthquake Engineering Handbook (Second Edition)* (2nd ed.).
- Desain Spektra Indonesia. (2021). [Www.Puskim.Pu.Go.Id.](http://rsa.ciptakarya.pu.go.id/2021/)  
<http://rsa.ciptakarya.pu.go.id/2021/>
- Direktorat Bina Teknik, D. P. U. (2009). *Pendoman Perencanaan dan Pelaksanaan Perkuatan Tanah dengan Geosintetik.*
- Direktorat Jenderal Bina Marga. (2017). *Surat Edaran Nomor 02/SE/Db/2017 Tentang Manual Desain Perkerasan Jalan.*
- Direktorat Jenderal Bina Marga Kementerian Pekerjaan Umum dan Perumahan Rakyat. (n.d.). *Aplikasi LINI.*
- Erlangga, W. (2020). Karakteristik Dan Parameter Subduksi Sumber Gempa Pulau Jawa. *Teknisia*, XXV(2), 30–40. <https://doi.org/10.20885/teknisia.vol25.iss2.art4>
- Fathani, T. F., Adi, A. D., Pramumijoyo, S., & Karnawati, D. (2008). The Determination of Peak Ground Acceleration at Bantul Regency , Yogyakarta Province , Indonesia. *The Yogyakarta Earthquake of May 27, 2006*, 1–15.  
[www.starpublishing.com](http://www.starpublishing.com)
- Green, R. A., & Bommer, J. J. (2019). What is the smallest earthquake magnitude that needs to be considered in assessing liquefaction hazard? *Earthquake Spectra*, 35(3), 1441–1464. <https://doi.org/10.1193/032218EQS064M>
- Hardiyatmo, H. C. (2019). *Mekanika Tanah 2* (6th ed.). Gadjah Mada University Press.
- Haris, A., & Irjan, I. (2013). Analisis Percepatan Getaran Tanah Maksimum Wilayah Yogyakarta Dengan Metode Atenuasi Patwardhan. *Jurnal Neutrino*, 66–72.  
<https://doi.org/10.18860/neu.v0i0.2433>
- Idriss, I. M.; Boulanger, R. W. (2008). Soil Liquefaction During Earthquakes. In *Machinery and Production Engineering* (Vol. 160, Issue 4057).  
<https://doi.org/10.1177/136218079700300202>
- Idriss, I. M., & Boulanger, R. W. (2008). Soil liquefaction during earthquakes.



- Earthquake Engineering Research Institute*, 136(6), 755.
- Ishihara, K. (1996). Soil behaviour in earthquake geotechnics. In *Choice Reviews Online* (Vol. 34, Issue 09). <https://doi.org/10.5860/choice.34-5113>
- Iwasaki, T., Tadhasi, A., & Tokida, K. (1984). *Simplified procedures for assessing soil liquefaction during earthquakes*. 3, 49–58.
- 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>
- Khatimah, N. H. (2021). *Analisis Potensi Likuefaksi pada Bangunan Underpass Bandara YIA berdasarkan Simulasi Numeris*. Universitas Gadjah Mada.
- Kramer, S. L. (1996). *Geotechnical Earthquake Engineering*. 673.
- Lambe, W., & Whitman, R. V. (1962). Soil Mechanics. In *Soil Mechanics* (pp. 1–242). <https://doi.org/10.1201/9781315137322-4>
- New Zealand Geotechnical Society dan Ministry of Business Innovation & Employment. (2017). Geotechnical Earthquake Engineering Practice - Module 5: Ground improvement of soils prone to liquefaction. In *MBIE Geotechnical Earthquake Engineering Practice* (Vol. 5). <http://www.springerlink.com/index/10.1007/978-1-4020-5893-6>
- Pacific Earthquake Engineering Research Center. (2022). *PEER Ground Motion Database*. <https://ngawest2.berkeley.edu/>
- Presiden Republik Indonesia. (2005). *Peraturan Pemerintah No 15 Tahun 2005 Tentang Jalan Tol*.
- PT Jogjasolo Marga Makmur. (2021). *Rencana Pembangunan Jalan Tol Jogja- Solo - NYIA Kulon Progo*.
- Pusat Litbang Prasarana Transportasi. (2001). *Panduan Geoteknik 4: Timbunan Jalan pada Tanah Lunak*.
- Pusat Studi Gempa Nasional Kementerian Pekerjaan Umum dan Perumahan Rakyat. (2017). *Peta Sumber dan Bahaya Gempa Indonesia Tahun 2017*.
- Pusat Studi Gempa Nasional Kementerian Pekerjaan Umum dan Perumahan Rakyat. (2021). *Aplikasi Desain Spektra Indonesia*. [http://puskim.pu.go.id/Aplikasi/desain\\_spektra\\_indonesia\\_2011/](http://puskim.pu.go.id/Aplikasi/desain_spektra_indonesia_2011/)
- Sasanti, C. A. (2015). *Studi Potensi Soil Liquefaction Di Rencana Lokasi Genting Oil Kasuri Papua Barat*. <http://repository.its.ac.id/51291/>
- SNI-8460-2017. (2017). Persyaratan Perancangan Geoteknik. *Badan Standardisasi Nasional*, 2017.
- Sosrodarsono, S., & Nakazawa, K. (2000). *Mekanika Tanah & Teknik Pondasi* (Cetakan ke). PT Pradnya Paramita.
- Surono, Toha, B., & Sudarno. (1992). *Peta Geologi Lembar Surakarta dan Giritontro, Jawa; Skala 1 : 100.000*. Pusat Penelitian Dan Pengembangan Geologi.
- Terzaghi, K., Peck, R. B., & Mesri, G. (1996). Soil Mechanics in Engineering Practice. In *John wiley & sons* (p. 534).
- Toprak, S., & Holzer, T. L. (2003). Liquefaction Potential Index: Field Assessment. *Journal of Geotechnical and Geoenvironmental Engineering*, 129(4), 315–322. [https://doi.org/10.1061/\(asce\)1090-0241\(2003\)129:4\(315\)](https://doi.org/10.1061/(asce)1090-0241(2003)129:4(315))
- United States Geological Survey. (2006). *M6.3 Java Earthquake of 26 May 2006*. <https://earthquake.usgs.gov/product/poster/20060526/us/1461770047809/poster.pdf>
- United States Geological Survey. (2022). *Latest Earthquake*.



- <https://earthquake.usgs.gov/earthquakes/map/>
- 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(2-4 SPEC. ISS.), 253–264. <https://doi.org/10.1016/j.soildyn.2005.02.016>
- Youngs, R.R; Chiou, S.J.; Silva, W.J.; Humphrey, J. R. (1997). *Strong Ground Motion Attenuation Relationships for Subduction Zone Earthquakes*. *Seismological Research Letters*.
- 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*, 130(8), 861–871. [https://doi.org/10.1061/\(asce\)1090-0241\(2004\)130:8\(861\)](https://doi.org/10.1061/(asce)1090-0241(2004)130:8(861))