

DAFTAR PUSTAKA

- Amelia, R., dan Indrawan, I. G. B., 2017, *Penyelidikan Geologi Teknik Lokasi Bandara Baru di Daerah Istimewa Yogyakarta, Proceeding Seminar Nasional Kebumihan Ke-10*, Graha Sabha Pramana.
- Ameratungga, J., Sivakugan, N., dan Das, B. M., 2016, *Correltions of Soil and Rock Properties in Geotechnical Engineering*, Springer New Delhi Heidelberg New York Dordrecht London.
- Arif, M., 2019, *Analisi Potensi Likuifaksi Berdasarkan Sifat Teknis Tanah dan Simulasi Numeris pada Pembangunan Runway dengan Stabilisasi Stone Column*, Tesis Jurusan Teknik Sipil dan Lingkungan, Fakultas Teknik, Universitas Gadjah Mada.
- Aydan, O., Ulusay, R., dan Atak, V.O., 2008, *Evaluation of Ground Deformations Induced by the 1999 Kocaeli Earthquake (Turkey) at Selected Sites on Shorelines*.
- Bemmelan, V., 1949, *The Geology of Indonesia*, Vol. 1 A. Government Printing Office, The Hauge, Amsterdam.
- Carter, M. & Bentley, S.P. 1991. *Correlations of Soil Properties*. London: Pentech Press
- Bock, Y. et al., 2003, *Crustal motion in Indonesia from Global Positioning System measurements*, J. Geophys. Res. 108.
- Bowles, J.E., 1997, *Foundation Analysis and Design*, New york: McGraw-Hill Companies.
- Brinkgreve, 2007, *Plaxis Manual*, Balkema, Den Haag, Netherlands.
- Brennan A., 2008, *Observations on Sand Boils from Simple Model Tests*, 1-10.
- Castro, G., 1995, *Empirical Methods in Liquefaction Evaluation*, Mexico City: Primer Circo de Conferencias Internacionales Leonardo Zeevaert.



- Das, B. M., 1993, *Principles of Soil Dynamics second edition*, PWS-Kent Publishing Company: Boston.
- Das, B. M., 1995, *Mekanika Tanah : Prinsip – Prinsip Rekayasa Geoteknik*, Jilid 1, Cetakan V, Yogyakarta: Erlangga.
- Das, B. M., dan Ramana, G.V., 2011, *Principles of Soil Dynamics second editio*, Stamford: Cengage Learning.
- Day, R. W., 2009, *Foundation Engineering Handbook*, Second Edition Mc Graw-Hill, New York:USA.
- FHWA, 2006, *Soils and Foundations*, Federal Highway Administration, U.S. Department of Transportation.
- Fujisawa, K A. Murakami, S. Nishimura, dan T. Shuku., 2013, *Relation between seepage force and velocity of sand particles during sand boiling*, Geotechnical Engineering Journal of the SEAGS & AGSSEA Vol. 44 No.2 June 2013 ISSN 0046-5828 , 9-17.
- Fernando, N., dan Prihatiningsih, A., 2019, *Analisis Potensi Cyclic Mobility pada Tanah Kohesif*, Jurnal Mitra Teknik Sipil, Vol.2 No. 3, Agustus 2019: hal 77-85.
- Hardiyatmo, H. C., 2018, *Mekanika Tanah II, Edisi Keenam*, UGM Press, Yogyakarta.
- Hardiyatmo, H. C., 2010, *Analisis dan Perencanaan Fondasi II*, UGM Press, Yogyakarta.
- <https://ap1.co.id/id/information/news/detail/angkasa-pura-i-berharap-masyarakat-bekerjasama-menyukseskan-bandara-baru> (17 Januari 2020, 20.05 wib).
- Hakam, A., dan Suhelmidawati, E., 2013, *Liquefaction Due to September 30th 2009 Earthquake in Padang*, Elsevier.
- Hakam, A., dan Darjanto, H., 2013, *Penelusuran Potensi Likuefaksi Pantai Padang Berdasarkan Gradasi Butiran dan Tahanan Penetrasi Standar*, Vol. 20 No. 1 April 2013, ISSN 0853-2982.
- Karol, R. H., 1960, *Soils and Soil Engineering*, Prentice Hall, Eaglewood Cliffs.

- Kramer, S. L., 1996, *Geotechnical Earthquake Engineering*, 1st ed. New Jersey: Prentice-Hall, Inc.
- Kumalasari, H., 2016, *Analisis Potensi Likuefaksi Pada Pasir Seragam Keisha No.4 (Studi Eksperimental Dengan Uji Triaksial Siklik dan Analisis Empiris)*, Yogyakarta: Universitas Gadjah Mada.
- Maryanto, S., 2015, *Perkembangan Sedimentologi Batu Gamping Berdasarkan Data Petrografi pada Formasi Sentolo di Sepanjang Lintasan Pengasih Kulon Progo*, J.G.S.M. Vol 16 No 3 Agustus 2015 hal 129-139.
- Muntohar, A. S., 2009, *Evaluation of Peak Ground Acceleration Using CPT Data for liquefaction Potential*, 4 th Annual International Workshop & Expo on Sumatra Tsunami Disaster & Recovery.
- Natawidjaja, D. H., 2017, *Tectonic Setting Indonesia dan Pemodelan Sumber Gempa dan Tsunami*, Pelatihan Pemodelan Run-Up Tsunami, RISTEK, 20-24 Agustus 2007.
- Priliyani, M. R., Fitriyantina, L., Muhrozi, dan Sadono, K. W., 2017, *Perencanaan Underpass Zaenal Abidin- Soekarno Hatta Bandar Lampung*, Jurnal Karya Teknik Sipil, Vol. 6 No. 2 hal 22-30.
- Pusat Studi Gempa Nasional dan Pusat Litbang Perumahan dan Pemukiman, 2017, *Peta Sumber dan Bahaya Gempa Indonesia 2017*, Bandung.
- Rahardjo, W., Sukandarrumidi., dan Rosidi, 1995, *Peta Geologi Lembar Yogyakarta 1408-2 dan 1407- 5 skala 1:100000*, Direktorat Geologi, Bandung.
- Rahman, M.A., 2020, *Analisis Tingkat Potensi Likuefaksi di Kawasan Underpass Yogyakarta International Airport*, Jurnal Rekayasa Sipil (JRS-UNAND), Vol. 16 No.2 Juli 2020.
- Ramakhrisan, D., Mohanty, K.K., Nayak, S., dan Chandran, V., 2006, *Mapping the Liquefaction Induced Soil Moisture Changes using Remote Sensing Technique: An Attempt to Map the Earthquake Induced Liquefaction Around Bhuj, Gujarat, India*, Springer.
- Rockscience, 2016, *Settle 3D Liquefaction Theory Manual*.



- Schneider, James, A., dan Paul W. Mayne., 1999, *Soil Liquefaction Response in Mid-America Evaluated by Seismic Piezocone Tests*. Atlanta: Georgia Institute of Technology.
- Seed, R. B., Cetin, K. O., dan Moss, R. E. S., 2003, *Recent Advances in Soil Liquefaction Engineering: A Unified and Consistent Framework*, Earthquake Engineering Research Center, Volume 6, pp. 1-71.
- Sianipar, A. B. J., 2018, *Perencanaan Dinding Penahan Tanah Pada Underpass dengan Menggunakan Secantpile Di Jalan Brigjend Katamso A.H Nasution Medan (Study Kasus Pembangunan Underpass Brigjend Katamso A.H Nasution Medan Sumatera Utara)*, Vol 7 No.1.
- Sitharam, T.G., Govindaraju, L., dan Sridharan, A., 2004, *Dynamic Properties and Liquefaction Potential of Soils*, CURRENT SCIENCE Vol. 87, No. 10.
- SNI 8460:2017 Persyaratan Perancangan Geoteknik
- SNI 1725:2016 Pembebanan Untuk Jembatan
- Soebowo, E., Tohari, A., Sarah, D., 2009, *Potensi Likuifaksi Akibat Gempa Bumi Berdasarkan Data CPT dan N-SPT di Daerah Patalan, Bantul, Yogyakarta*, Jurnal Riset Geologi dan Pertambangan Jilid 19 No. 2, hal. 85-97.
- Suhendro, B., 2000, *Metode Elemen Hingga dan Aplikasinya*, Fakultas Teknik, Universitas Gadjah Mada, Yogyakarta.
- Terzaghi, K., dan Peck, R. B., 1967, *Soil Mechanics In Engineering Praticce*, 2nd Edition, John Wiley and Sons Inc.
- Youd, T. L., 1984, *Geologic Effects Liquefaction and Associated Ground Failure*, California: Proceedings of the Geologic and Hydrologic Hazards Training Program.