



DAFTAR PUSTAKA

- Abidin, H.Z., Andreas, H., Gumilar, I., Sidiq, T.P. & Fukuda, Y., 2013. Land Subsidence in Coastal City of Semarang (Indonesia) : Characteristic, Impacts and Causes. *Geomatics, Natural Hazards and Risk*, 4(3), pp.226-40.
- Abidin, H.Z. Andreas, H., Gumilar, I., Sidiq, T.P., Gamal, M., Murdohardono, D., Supriyadi & Fukuda, Y., 2010. Studying Land Subsidence in Semarang (Indonesia) Using Geodetic Methods. In *FIG Congress 2010, Facing the Challenges-Building the Capacity*. Sydney, 2010.
- Abidin, H.Z. Andreas, H., Gumilar, I., Sidiq, T.P., Gamal, M., Murdohardono, D., Supriyadi & Fukuda, Y., 2011. Studying Land Subsidence in Semarang (Indonesia) Using Geodetic Methods. In *IUGG General Assembly*. Melbourne, 2011.
- Andreas, H., Abidin, H.Z., Gumilar, I., Sidiq, T.P., Yuwono, B.D., 2017. Adaptation and Mitigation of Land Subsidence in Semarang. *AIP Conf. Proc.*, 1857, pp.060005-1-060005-7.
- Atkinson, J.H. & Bransby, P.L., 1982. *The Mechanics of Soils*. 1st ed. Berkshire: Mc Graw-Hill.
- BS 1377:Part 5:1990, 1990. *British Standard Methods of Test for Soils for Civil Engineering Purposes, Part 5. Compressibility, Permeability and Durability Test*. BSI.
- BS 5930:1999, 1999. *Code of Practice of Site Investigation*. BSI.
- BS 8004:1986, 1998. *Code of Practice for Foundations*. BSI.
- BS EN 1997-2:2007, 2007. *Eurpcode 7-Geotechnical Design, Part 2: Ground Investigation and Testing*. BSI.
- Budhu, M., 2000. *Soil Mechanics and Foundations*. New York: John Wiley & Sons.
- Carter, M. & Bentley S.P., 2016. *Soil Properties and Their Correlations*. 2nd ed. Chichester: John Wiley & Sons, Inc.
- Cernica, J.N., 1995. *Geotechnical Engineering : Soil Mechanics*. New York: John Wiley & Sons.
- Chaussard, E., Amelung, F., Abidin, H.Z. & Hong, S-H., 2013. Sinking Cities in Indonesia:ALOS PALSAR Detects Rapid due to Subsidence and Gas Extraction. *Remote Sensing of Environtment*, 128, pp.150-161.
- Craig, R.F., 2004. *Craig's Soil Mechanics*. 7th ed. New York: Spon Press.



- Dalinta, A., 2010. *Studi Penurunan Tanah Wilayah Semarang Periode Tahun 2008-2009*. Skripsi Departemen Teknik Geodesi. Bandung: ITB.
- Das, B.M., 2010. *Principles of Geotechnical Engineering*. 7th ed. Stamford: Cengage Learning.
- Djarwanti, N., 2008. Komparasi Koefisien Permeabilitas (k) pada Tanah Kohesif. *Media Teknik Sipil*, pp.21-23.
- GEO-SLOPE International Ltd, 2008. Stress-Deformation Modeling with SIGMA/W 2007. 3rd ed. Alberta: GEO-SLOPE International Ltd.
- Gumilar, I., Abidin, H.Z., Sidiq, T.P., Andreas, H., Maiyudi, R., Gamal, M. & Fukuda, Y., 2013. Mapping and evaluating the impact of land subsidence in Semarang (Indonesia). *Indonesian Journal of Geospatial*, 2(2), pp.26-41.
- Hardiyatmo, H.C., 2002. *Mekanika Tanah I*. 3rd ed. Yogyakarta: Gadjah Mada University Press.
- Hardiyatmo, H.C., 2010. *Mekanika Tanah II*. 5th ed. Yogyakarta: Gadjah Mada University Press.
- Holtz, R.D. & Kovacs, W.D., 1981. *An Introduction to Geotechnical Engineering*. New Jersey: Prentice-Hall.
- Horpibulsuk, S., Yangsukkaseam, N., Chinkulkijniwat, A. and Du, Y.J., 2011. Compressibility and Permeability of Bangkok Clay Compared with Kaolinite and Bentonite. *Applied Clay Science*, 52, pp.150-159.
- Ismanto, A. Wirasatriya A., Helmi, M., Hartoko, A. & Prayogi, 2009. Model Sebaran Penurunan Tanah di Wilayah Semarang. *Ilmu Kelautan*, 14(4), pp.189-96.
- Khoirunisa, R., 2015. *Analisis Penurunan Muka Tanah Kota Semarang Tahun 2015 Menggunakan Perangkat Lunak Gamit 10.5*. Skripsi Departemen Teknik Geodesi. Semarang: Undip.
- Kuehn, F., Hofmann-Rothe, A., Albiol, A., Cooksley, G., Granda, J., Duro, J., Hass, S. & Murdohardono, D., 2010. Detection of Land Subsidence in Semarang, Indonesia, Using Stable Point Network (SPN) Technique. *Environ Earth Sci*, 60, pp.909-21.
- Lambe, T.W. & Whitman, R.V., 1969. *Soil Mechanics*. New York: John Wiley & Sons.
- Lekha, K.R., Krishnaswamy, N.R. and Basak, P., 2003. Consolidation of Clay for Variable Permeability and Compressibility. *J.Geotech. Geoenviron. Eng*, 129(11), pp.1001-1009.



- Lestari, A.S. and Sugianto, F.M., 2013. Studi Parameter Uji Konsolidasi Menggunakan Sel Rowe dan Uji Konsolidasi Konvensional Tanah Daerah Bandung. In *Konferensi Nasional Teknik Sipil 7 (KoNTekS 7)*. Surakarta, 2013. Universitas Sebelas Maret Surakarta (UNS).
- Lubis, A.M., Sato, T., Tomiyama, N., Isezaki, N. & Yamanokuchi, T., 2011. Ground Subsidence in Semarang-Indonesia Investigated by ALOS-PALSAR Satellite SAR Interferometry. *Journal of Asian Earth Science*, 40, pp.1079-88.
- Marfai, M.A. & King, L., 2007. Monitoring Land Subsidence in Semarang, Indonesia. *Environ Geol*, 53, pp.651-59.
- Marsudi, 2001. *Prediksi Laju Amblesan Tanah di Dataran Aluvial Semarang Propinsi Jawa Tengah*. Disertasi Doktor Ilmu Teknik Sipil. Bandung: ITB.
- Maulana, I., 2012. *Analisis 4D Mikrogravity dan Gradien Vertikal 4D Mikrogravity (Studi Kasus Amblesan Semarang)*. Tesis Geofisika Reservoir. Jakarta: UI.
- Nurwidyanto, M.I., Yulianto, T., Muhrozi, Gunawan AK, W. & Sarkowi, M., 2003. *Aplikasi Microgravity 4D untuk Pemantauan Intrusi Air Laut dan Amblesan tanah di Semarang Bawah*. Laporan Hasil Penelitian Hibah Pekerti. Semarang: FMIPA Undip.
- Phanikumar, B.R. & Amrutha K., 2013. Effect of Overburden Pressure and Degree of Saturation on Compressibility Characteristics. *Geomechanics and Geoengineering: An International Journal*, 9(1), pp.52-62.
- Pryambodo, D.G., 2012. Penurunan Muka Tanah di Pesisir Semarang (Studi Kasus:Daerah Industri Kaligawe). *Jurnal Imiah Geomatika*, 18(2), pp.107-115.
- Rahmat Ami Putra, 2017. *Kajian Geoteknik Penurunan Konsolidasi Tanah Akibat Timbunan di Jakarta*. Tesis Program Studi Teknik Sipil. Yogyakarta: UGM.
- Sarah, D. & Mulyono, A., 2014. *Strategi Pengurangan Resiko Bencana Amblesan Tanah di Kota Semarang : Permasalahan Amblesan Tanah di Kota Semarang*. Bandung: Puslit Geoteknologi LIPI.
- Sarah, D., Soebowo, E. & Satriyo, N.A., 2013. Model Geologi Teknik Daerah Amblesan Tanah Kota Semarang Bagian Barat. In *Pemaparan Hasil Penelitian Puslit Geoteknologi LIPI 2013*. Bandung, 2013. Puslit Geoteknologi LIPI.
- Sarah, D., Soebowo, E., Syahbana, A.J., Murdohardono, D., Setiawan, T., Mulyono, A. & Satriyo, N.A., 2012. *Perhitungan Penurunan Tanah Lintasan Bandarharjo-Poncol, Kota Semarang Berdasarkan Pemodelan 2 Dimensi*. In *Pemaparan Hasil Penelitian Puslit Geoteknologi LIPI 2012*. Bandung, 2012. Puslit Geoteknologi LIPI.



- Sarah, D., Soebowo, E., Syahbana, A.J. & Satriyo, N.A., 2014. *Geologi Teknik Amblesan Tanah Genuk - Sayung Kota Semarang Timur Laut*. Laporan Tahunan 2014. Bandung: Puslit Geoteknologi LIPI.
- Sarah, D., Syahbana, A.J., Lubis, R.F. & Mulyono, A., 2011. Modelling of Land Subsidence Along Tanah Mas-Pelabuhan Section Semarang City Using Finite Element Method. *Riset Geologi dan Pertambangan*, 21(2), pp.105-19.
- Singh, A. and Noor, S., 2012. Soil Compression Index Prediction Model for Fine Grained Soils. *International Journal of Innovation in Engineering and Technology (IJIET)*, 1(4), pp.34-37.
- Sivrikaya, O. and Togrol, E., 2002. Relations Between SPT-N and q_u . In *5th International Congress on Advances in Civil Engineering*. Istanbul, 2002. Turkey.
- Sivrikaya, O. and Togrol, E., 2006. Determination of Undrained Strength of Fine-Grained Soils Means of SPT and Its Application in Turkey. *Engineering Geology*, 86, pp.52-69.
- Soedarsono & Arief, R.B., 2012. Prediksi Amblesan Tanah (Land Subsidence) pada Dataran Alluvial di Semarang Bagian Bawah. In *Prosiding Semnas Kebijakan dan Strategi dalam Pembagunan Wilayah Berbasis Technology*. Semarang, 2012. Fakultas Teknik Unissula.
- Sophian, R.I., 2010. Penurunan Muka Tanah di Kota-Kota Besar Pesisir Pantai Utara Jawa (Studi Kasus : Kota Semarang). *Bulletin of Scientific Contribution*, 8(1), pp.41-60.
- Sowers, G.F., 1954. Modern Procedures for Underground Investigations. *ASCE*, 80(435), pp.11.
- Sowers, G.F., 1979. *Introductory Soil Mechanics and Foundations*. 4th ed. New York: Macmillan.
- Stroud, M.A., 1974. The Standard Penetration Test in Insensitive Clays and Soft Rock. In *Proceedings of the 1st European Symposium on Penetration Testing*. Stockholm, 1974. University of Birmingham.
- Stroud, M.A. and Butler, F.G., 1975. The Standard Penetration Test and the Engineering Properties of Glacial Materials. In *Proceedings of the Symposium of Glacial Materials*. Bimingham, 1975. Sweden
- Sukhyar, 2003. Status and Progress of Urban Geologi in Indonesia. Atlas of Urban Geology Vol.14: The Ground Beneath Our Feet: Factor in Urban Planning, pp.335-340.



- Syahbana, A.J. & Sarah, D., 2012. Comparison of Overconsolidated Clay Settlement Calculated by Analytical 1 D Terzaghi Consolidation and Biot Numerical Analysis. *Riset Geologi dan Pertambangan*, 22(2), pp.81-91.
- Terzaghi, K. & Peck, R.B., 1967. *Soil Mechanics in Engineering Practice*. New York: John Wiley.
- Uzeler, V., 2013. *Compressibility of Clays Determined from In-Situ Tests*. Thesis Civil Engineering. Ankara: Middle East Technical University (METU).
- Vidayanti, D., Simatupang, P.T. and Silalahi, S., 2013. Korelasi Niai N-SPT dengan Parameter Kuat Geser Tanah untuk Wilayah Jakarta dan Sekitarnya. In *Konferensi Nasional Teknik Sipil 7 (KoNTekS 7)*. Surakarta, 2013. Universitas Sebelas Maret Surakarta (UNS).
- Wahyono, H.L., 2007. Studi Penurunan Tanah pada Kawasan Pelabuhan Tanjung Emas Semarang. *Wahana Teknik Sipil*, 12(2), pp.125-32.
- Wahyudi, A., Satibi, S. and Nugroho, S.A., 2014. Korelasi Empirik Kompresibilitas Tanah Permukaan di Kota Pekanbaru. *Jom FTEKNIK*, 1(2), pp.1-10.
- Wardana, D.D., Harjono, H. & Sudaryanto, 2014. Struktur Bawah Permukaan Kota Semarang Berdasarkan Gaya Berat. *Riset Geologi dan Pertambangan*, 24(1), pp.53-64.
- Wesley, L.D., 2010. *Mekanika Tanah untuk Tanah Endapan dan Residu*. Yogyakarta: Penerbit Andi.
- Yuwono, B.D., Abidin, H.Z., Gumilar, I., Andreas, H., Awaluddin, M., Haqqi, K.F. & Khoirunisa, R., 2016. Preliminary Survey and Performance of Land Subsidence in North Semarang Demak. In *The 5th International Symposium on Earthhazard and Disaster Mitigation*. Bandung, 2016. AIP.
- Yuwono, B.D., Abidin, H.Z. & Hilmi, M., 2013. Analisa Geospasial Penyebab Penurunan Muca Tanah di Kota Semarang. In *SNST Fakultas Teknik Unwahas Semarang*. Semarang, 2013. Fakultas Teknik Unwahas Semarang.