

DAFTAR PUSTAKA

- Arrozi, M.F., Surjandari, N.S., Djarwanti, N. (2015). Analisis stabilitas lereng berdasarkan pengaruh hujan bulanan maksimum di Das Tirtomoyo Wonogiri menggunakan metode bishop disederhanakan (studi kasus di Dusun Pagah, Hargantoro, Tirtomoyo, Wonogiri). *e-Jurnal matriks teknik sipil*, 542-547.
- Aleotti, P. (2004). *A warning system for rainfall-induced shallow failures*. Eng Geol 73:247–265. doi:10.1016/j.enggeo.2004.01.007.
- Badan Geologi. (2016). Tanggapan Bencana Gerakan Tanah Kec. Cililin Dan Kec. Sindangkerta, Kab. Bandung Barat Provinsi Jawa Barat. [online]. Diakses dari : <http://www.vsi.esdm.go.id/index.php/gerakan-tanah/kejadian-gerakan-tanah/1128-tanggapan-bencana-gerakan-tanah-kec-cililin-dan-kec-sindangkerta-kab-bandung-barat-provinsi-jawa-barat>, Maret 2016.
- Badan Meteorologi Klimatologi dan Geofisika. Prakiraan Cuaca Mingguan. [online]. Diakses dari <http://meteo.bmkg.go.id/prakiraan/mingguan>, April 2016.
- Badan Nasional Penanggulangan Bencana. (2009). *Peta administratif Kabupaten Bandung Barat*. [online]. Diakses dari <http://geospasial.bnpb.go.id/2009/09/01/peta-administrasi-kabupaten-bandung-barat/>, Maret 2016.
- Bemmelen, V. R.W. (1949). *The Geology of Indonesia*. Martinus Nyhoff, The Hague, Nederland.
- Blassio, F V D. (2011). *Introduction to the Physics of Landslide*. London: Springer.
- Calagry, Alberta. (2001). *Seep/W For Finite Element Seepage Analysis*. Geo-Slope International Ltd, Canada.

- Cheng, W.J., Xiao-Nan, G., Shin-Guo, M. (2014). *Effects of Pore-water Pressure Distribution on Slope Stability under Rainfall Infiltration*. Electronic Journal Geology of Earth. Vol. 19 [2014], Bund. H
- Chen Zu-yu. (2003). *Soil Slope Stability Analysis : Theory, Methods and Applications*. Beijing: China Water Conservancy and Hydropower.
- Coe, J., Kinner, D., Godt, J. (2008). Initiation conditions for debris flows generated by run off at Chalk Cliffs, central Colorado. *Geomorphology* 96:270–297. doi:10.1016/j.geomorph.2007.03.017.
- Crosta, G.B., Imposimato, S., Roddeman, D.G. (2003). Numerical modelling of large landslides stability and run-out. *Natural hazards and Earth System Sciences*, 3, 523-538.
- Cruden, D.M. A Simple Definition of A Landslide. (1991). *Bulletin of the International Association of Engineering Geology*. DOI: 10.1007/BF02590167.
- Crozier, M.J. (1999). Prediction of rainfall-triggered landslides: a test of the antecedent water status model. *Earth Surf Proc Land* 24:825–833. doi:10.1002/(SICI)1096-9837(199908)24.
- Dahal, R., Hasegawa, S. (2008). Representative rainfall thresholds for landslides in the Nepal Himalaya. *Geomorphology* 100:429–443. doi:10.1016/j.geomorph.2008.01.014.
- Das, B.M. 1985. *Mekanika Tanah jilid 1*. Jakarta : Erlangga.
- Dewantanu, P., Taufik, M. (2011). *Analisis Pengaruh Infiltrasi Air Hujan Terhadap Kestabilan Lereng Pada Kontruksi Timbunan Tanah*. (Tugas Akhir). Teknik Sipil, Universitas Islam Sultan Agung Semarang.
- Epada, P.D., Sylvestre, G., Tabod, T.C. (2012). *Geophysical and Geotechnical Investigations of a Landslide in Kekem Area, Western Cameroon*. International Journal of Geosciences, Scientific Research. 3, 780-789.
- Effendi, A.D. (2008). *Identifikasi Kejadian Longsor Dan Penentuan Faktor-Faktor Utama Penyebabnya di Kecamatan Babakan Madang Kabupaten*

- Bogor. (Skripsi). Departemen Menejemen Hutan, Institute Pertanian Bogor.
- Fell, R., Hungr, O., Leroueil, S., Riemer, W. (2000). *Keynote paper-Geotechnical Engineering of the Stability of Natural Slopes and Cuts and Fills in Soil*. Proc. Geo Eng 2000, Int. Conf. On Geotechnical and Geol. Eng in Melbourne.
- Fredlund, D.G, Rahardjo, H. (1993). *Soil mechanics for unsaturated soils*: John Wiley & Sons.
- Firmansyah. (2015). *Aplikasi Metode Geofisika dan Geoteknik Untuk Memprediksi Run-Out Gerakan Tanah (Studi Kasus: Lereng Tanah di Ruas Jalan Tol Cipularang Km 100)*. (Skripsi). Departemen Pendidikan Fisika, Universitas Pendidikan Indonesia.
- Firmansyah, Feranie, S., Tohari, A., Latief, F.D.E. (2015). Prediksi jangkauan pergerakan tanah longsor menggunakan model gesekan Coulomb sederhana. *Prosiding Simposium Nasional Inovasi dan Pembelajaran Sains 2015 (SNIPS 2015)*.
- Fredlund, D.G., Xing, A. (1994). Equation for the soil water characteristic curva. *Canadian Geotechnical Journal*, 31(3): 521-532.
- Gallage, C., Kodikara, J., Uchimura, T. (2013). Laboratory measurement of hydraulic conductivity functions of two unsaturated sandy soils during drying and wetting processes. The Japanese Geotechnical Society : *Soils and Foundations*. 2013;53(3):417–430.
- Guzzetti, F., Peruccacci, S., Rossi, M., Stark, C.P. (2007) Rainfall thresholds for the initiation of landslides in central and southern Europe. *Meteorol Atmos Phys* 98:239–267. doi:10.1007/s00703-007-0262-7.
- Hasrullah. (2009). Studi pengaruh infiltrasi air hujan terhadap kestabilan lereng. *Jurnal Ilmu-Ilmu Teknik - Sistem*, 5(2).
- Hardiyatmo, H.C. (1992). *Mekanika tanah I*. Jakarta : Gramedia.

- Jaboyedoff, M., Labiouse, V.. (2011). Technical Note: Preliminary estimation of rockfall run-out zones, *Natural Hazards and Earth System Sciences*, 11, p.819-828.
- Jaboyedoff, M., Horton, P., Loye, A., Pedrazzini, A. 2008. Run-out-empirical approaches. Workshop Barcelona Mountain Risks.
- Keefer, D., Wilson, R., Mark, R., Brabb, E., Brown, W., Ellen, S. (1987). *Real-time landslide warning during heavy rainfall*. *Science* 238:921–925. doi:10.1126/science.238.4829.921.
- Kurnia, U., Agus, F., Adimiharja, A., Dariah, A. (2006). *Sifat Fisik Tanah dan Metode Analisisnya*. Balai Besar Litbang Sumberdaya Lahan Pertanian.
- Leroueil, S., Vaunat, J., Picarelli, L., Locat, J., Lee, H., Faure, R. (1996). *Geotechnical Characterization of Slope Movements*. Proceedings of the International Symposium on Landslides, Trondheim, 22 pp.
- Mayangsari, H. (2012). *Simulasi Longsor yang dipengaruhi Curah Hujan Menggunakan Model TRIGS*. (Tugas Akhir). Program Studi Meteorologi, Institute Teknologi Bandung.
- Michalowski, R. L. (2009). *Critical Pool Level and Stability of Slopes in Granular Soils*. *Journal of Geotechnical and Geoenvironmental Engineering*, ASCE, 2009.135: 444-448.
- Permana, E. (2012). *Pengaruh Intensitas Curah Hujan dan Lama Waktu Hujan Terhadap Kelongsoran Tanah Ditinjau dari Sisi Geoteknik*. (Skripsi). Teknik Sipil, Universitas Indonesia.
- Purwanto. (2008). Tinjauan hidrogeologi dan evaluasi gerakan tanah di wilayah kabupaten banjarnegara. *Prosiding Seminar Nasional Aplikasi Sains dan Teknologi– IST AKPRIND* Yogyakarta.
- Pusat Vulkanologi dan Mitigasi Bencana Geologi. Peta Zona Kerentanan Gerakan Tanah Kabupaten Bandung Barat Provinsi Jawa Barat. [Online]. Diakses dari www.vsi.esdm.go.id/galeri/index.php/Peta-Zona-Kerentanan-Gerakan-Tanah/Peta-Zona-Kerentanan-Gerakan-Tanah-Per-Kabupaten-

- Kota/Peta-Zona-Kerentanan-Gerakan-Tanah-Per-Kota-Kabupaten-di-Jawa-Barat/Kab_Bandung_Barat, April 2016.
- Perloff, W.H., Baron, W. (1976). *Soil Mechanics. Principles and Applications*. U.S. Southern Forest Experiment Station.
- Oetomo, J. (2013). *Uji Triaksial – Unconsolidated Undrained & Unconfined Compression Test*. [online]. Diakses dari <https://james-oetomo.com/2013/08/08/uji-triaksial-unconsolidated-undrained-unconfined-compression-test/>, Juli 2016.
- Oluwapelumi, Ojuri, O. (2015). *Geotechnical Characterization of some Clayey Soils for Use as Landfill Liner*. *Journal of Applied Science and Environmental Management*. Vol. 19 (2) 211 – 217.
- Rahardjo, H., Leong, E.C., Rezaur, R.B. (2000). *Studies of rainfall-induced slope failures. Invited Lecture*. National Seminar Slope 2000, 27 April 2002, Bandung, Indonesia. In Paulus P Rahardjo (edt.) Slope 2002. Proceedings of the National Seminar, Slope 2002. 27-April 2002. Bandung, Indonesia. 15–29.
- Reddy, K. R. (2002). Engineering properties of soils Based on laboratory testing. Department of Civil and Materials Engineering, University of Illinois at Chicago.
- Rickenmann. (2005). Chapter 13 - run-out prediction methods. M.Jakob and O.Hungr (eds), *Debris-flow Hazard and Related Phenomena*. Springer Berlin Heidelberg.
- Rotaru, A., Oajdea, D., Răileanu, P. (2007). *Analysis of the Landslide Movements*. *International Journal Of Geology Issue 3, Vol 1*.
- Sarya, G., Andriawan, A.H., Ridho'i, A., Saputro, H. (2014). Intensitas curah hujan memicu tanah longsor dangkal di Desa Wonodadi Kulon. *Jurnal Pengabdian LPPM Untag Surabaya*, 1(1), hlm 65 – 71.
- Saepuzaman, D. (2014). *Pemodelan Proses Longsoran Cililin Menggunakan Lumped Mass Model*. Tesis Magister, Institut Teknologi Bandung, Indonesia.

- Sianipar, A.H.V.D., Rudi, I. (2014). *Alternatif Perkuatan Lereng Pada Ruas Jalan Medan – Berastagi, Desa Sugo Km 25+200*. (Tugas Akhir). Departemen Teknik Sipil, Universitas Sumatera Utara.
- Soenarmo, S.H., Sadisun, A., Saptohartono Endri. (2008). Kajian awal pengaruh intensitas curah hujan terhadap pendugaan potensi tanah longsor berbasis spasial di Kabupaten Bandung, Jawa Barat. *Jurnal Geoaplika (2008)*. 3(3), 133 – 141.
- Syahbana, A.J., Tohari, A., Soebowo, E., Sarah, D., Sugianti, K. Desain cut slope chart untuk evaluasi kestabilan lereng di atas badan jalan. Studi Kasus: Cinona, Cisalak dan Cijengkol, Kabupaten Bandung Barat, Jawa Barat. *Jurnal Lingkungan dan Bencana Geologi*, Vol. 4 No. 1 April 2013: 33 – 47. Pusat Penelitian Geoteknologi LIPI.
- Taharin, M. R., Ahmad, F., Yahaya, A.S. (2014). Determination of Landslide Trigger Points by Using Infinite Slope Stability Chart. *Journal of Civil Engineering Research* 2014, 4(3A): 66-71 DOI: 10.5923/c.jce.201402.11
- Terzaghi, K. (1950). *Mechanism of Landslides in Engineering Geology*. Geological Society of America, New York.
- USDA Natural Resources Conservation Service. (1998). *Soil Quality Indicators: Infiltration*. National Soil Survey Center in cooperation with the Soil Quality Institute, NRCS, USDA, and the National Soil Tilth Laboratory, Agricultural Research Service, USDA.
- Xiaorui, W., Xuefeng, Z., Xiaonan, L. (2015). Effect of rainfall infiltration on Stability of Sandy Slope. *Electronic Journal Geology of Earth*. Bund. 18.
- Webb, S., Croft, T., Mustoe, L., Ward, J. (1999). *Engineering Mathematics: Open Learning Unit Level 1, 15.3: Applications of Integration*. Loughborough University.
- Wibowo, Y. S. 2011. Perilaku sifat fisik dan keteknikan tanah residual batuan vulkanik kuarter di Daerah Cikijing, Majalengka, Jawa Barat. *Riset Geologi dan Pertambangan*, 21(2), 131-139.

Wisley, L. (2010). *Mekanika Tanah untuk Tanah Endapan dan Residu*.
Yogyakarta : ANDI Yogyakarta.