

## DAFTAR PUSTAKA

- Alvioli, M., dan Baum, R. L., 2016, Parallelization of the TRIGRS model for Rainfall-Induced Landslides Using The Message Passing Interface, *Environmental Modelling and Software*, 81, 122–135.
- ASTM, 2003a, D4767: Standard Test Method for Consolidated Undrained Triaxial Compression Test, *ASTM International*, West Conshohocken, Pennsylvania, USA.
- ASTM, 2003b, D5298: Standard Test Method for Measurement of Soil Potential (Suction) Using Filter Paper, *ASTM International*, West Conshohocken, Pennsylvania, USA.
- ASTM, 2007c, D5856-95: Standard Test Method Measurement of Hydaraulic Conductivity of Porous Material, *ASTM International*, West Conshohocken, Pennsylvania, USA
- ASTM, 2004d, D7015-04: Standard Practice for Soil Exploration and Sampling by Auger Borings. *ASTM International*, West Conshohocken, Pennsylvania, USA.
- ASTM, 2015e, D1452-9: Standard Practices for Obtaining Undisturbed Block ( Cubical and Cylindrical ), *ASTM International*, West Conshohocken, Pennsylvania. USA.
- Baum, R. L., Savage, W. Z., dan Godt, J. W., 2008, TRIGRS — A Fortran Program for Transient Rainfall Infiltration and Grid-Based Regional Slope-Stability Analysis, Version 2.0. *U.S. Geological Survey Open-File Report*, (2008-1159), 75.
- Baum, R. L., dan Godt, J. W., 2013, Erratum: Estimating the timing and location of shallow rainfall-induced landslides using a model for transient, unsaturated infiltration. *Journal of Geophysical Research: Earth Surface*, 118(3), 1999.
- Black, C. A., 1965, Method of Soil Analysis Part 1, Wisconsin, USA: *American Society of Agronomy*, Inc., Publisher.
- Cernicq, J. N., 1995, Geotechnical Engineering Soil Mechanics, (C. Robichaud, Ed.), New York: Bi-Comp, Inc.
- Chien, L. K., Hsu, C. F., dan Yin, L. C., 2015, Warning Model for Shallow Landslides Induced by Extreme Rainfall. *Water (Switzerland)*, 7(8), 4362–4384.

- Chien-Yuan, C., Tien-Chien, C., Fan-Chieh, Y., dan Sheng-Chi, L., 2005, Analysis of time-varying rainfall infiltration induced landslide, *Environmental Geology*, 48(4–5), 466–479.
- Cho, S. E., 2017, Prediction of shallow landslide by surficial stability analysis considering rainfall infiltration, *Engineering Geology*, 231(June), 126–138.
- Conshohocken, W., dan States, U, 2011, Standard Test Method for Density and Unit Weight of Soil in Place by Sand-Cone, *Methods*, 4, 8–14.
- Das, B. M., 2002, Soil Mechanics: Laboratory Manual 6th Edition (6th ed.), New York: Oxford University Press.
- Fredlund, D. G., 1985a, Soil mechanics principles that embrace unsaturated soils. *Proc. 11th international conference on soil mechanics and foundation engineering, San Francisco, August 1985. Vol. 2, (Balkema)*, c, 465–472.
- Fredlund, D.G., 2002b, Use of Soil-Water Characteristic Curve in The Implementation of Unsaturated Soil Mechanics, *Third International Conference on Unsaturated Soils*, Recife, Brazil.
- Fredlund, D. G., dan Xing, A., 1994. Equations for The Soil-Water Characteristic Curve, *Canadian Geotechnical Journal*, 31(6), 1026–1026.
- Freeze, R.A., dan Cherry, J. A, 1979, *Groundwater*. New Jersey: Prentice-Hall Inc., Englewood Cliffs, N.J.
- Gariano, S. L., dan Guzzetti, F., 2016, Landslides in a Changing Climate, *Earth-Science Reviews*, 162, 227–252.
- Hardiyatmo, H.C., 2012, Mekanika Tanah 2, Yogyakarta: Gadjah Mada University Press.
- Hidayat, R., Prasetyaningtiyas, G.A., dan Muntohar, A. S., 2016, Studi Awal Kasus Gerakan Tanah Dipicu Hujan di Purworejo, dalam *Seminar Teknik Sipil II. Pembangunan, Menunjang Terpadu, Infrastruktur* (hal. 217–222).
- Iverson, R.M., 2000, Landslide Triggering By Rain Infiltration, *Water Resources Research*, Vol. 36, 1897–1910.
- Kim, H., Prezzi, M., dan Salgado, R., 2016, Calibration of Whatman Grade 42 Filter Paer for Soil Suction Measurement, *Canadian Journal of Soil Science*, 97(2), 93–98.
- Lam, L., Fredlund , D. G., 1993, A General Limit Equilibrium Model For Three-Dimensional Slope Stability Analysis, *Canadian Geotechnical Journal*, 30(6): 905-919

- Liao, Z., Hong, Y., Kirschbaum, D., Adler, R. F., Gourley, J. J., dan Wooten, R. 2010. Evaluation of TRIGRS (Transient Rainfall Infiltration And Grid-Based Regional Slope-Stability Analysis)'s predictive skill for hurricane-triggered landslides: A case study in Macon County, North Carolina. *Natural Hazards*, 58(1), 325–339.
- Labuz, F.J. dan Zang, A., 2012, Mohr-Coloumb Failure Criterion. *Rock Mechanics and Rock Engineering*, 45(6), 975-979.
- Liu, Z., Zhang, B., Yu, X., dan Tao, J., 2012, A New Method For Soil Water Characteristic Curve Measurement Based on Similarities Between Soil Freezing and Drying, *Geotechnical Testing Journal*, 35(1).
- Muntohar, A.S., 2012, Mekanika Tanah, Yogyakarta: Omah Buku.
- Muntohar, A.S., Ikhsan, J. Soebowo, E., 2012, Mechanism of Rainfall Triggering Landslides in Kulonprogo, Indonesia. dalam *Geotechnical Special Publication NO. 231 Geocongress 2013: Stability and Performance Of Slopes and Embankments II* (hal. 452–461).
- Muntohar, A.S., Ikhsan, J., dan Liao, H. J., 2013, Influence of Rainfall Patterns on the Instability of Slopes, *Civil Engineering Dimension*, 15(2), 120–128.
- Childs. E.C. Collis-George, N., 1950, The permeability of porous material, dalam *Proceedings of Mathematical and Physical Soils*, London: The Royal Society of London. Series A, 229, 364-336.
- Perera, Y. Y., dan Padill. J. M., 2004, Determination of Soil-Water Characteristic Curves using The Fredlund SWCC Device, 1–10.
- Peres, D. J., dan Cancelliere, A., 2016, Estimating Return Period of Landslide Triggering by Monte Carlo simulation, *Journal of Hydrology*, 541, 256–271.
- Putra, H., 2014, Pengaruh Infiltrasi Terhadap Perubahan Parameter Tanah Jenuh Sebagian Dalam Analisis Stabilitas Lereng, (February 2014), 1–246.
- Raia, S., Alvioli, M., Rossi, M., Baum, R. L., Godt, J. W., dan Guzzetti, F., 2014, Improving predictive power of physically based rainfall-induced shallow landslide models: A probabilistic approach. *Geoscientific Model Development*, 7(2), 495–514.
- Reid, M. E., Christian, S. B., Brien, D. L., dan Henderson, S., 2015, Scoops3D — Software to Analyze Three-Dimensional Slope Stability Throughout a Digital Landscape. *U.S. Geological Survey Techniques and Methods, book 14*, 218.
- Saadatkah, N., Mansor, S., Kassim, A., Lee, L. M., Saadatkah, R., dan Sobhanmanesh, A., 2016, Regional modeling of rainfall-induced landslides

- using TRIGRS model by incorporating plant cover effects: case study in Hulu Kelang, Malaysia. *Environmental Earth Sciences*, 75(5), 1–20.
- Salciarini, D., Godt, J. W., Savage, W. Z., Conversini, P., Baum, R. L., dan Michael, J. A., 2006, Modeling regional initiation of rainfall-induced shallow landslides in the eastern Umbria Region of central Italy, *Landslides*, 3(3), 181–194.
- Simons, D. B. dan Ward, T. J., 1976, *Landslide Potential Delineation*. Civil Engineering Department, Engineering Research Center, Colorado State University, Fort Collins, Colo.
- Simpson, J., Adler, R. F., dan North, G. R., 1988, A Proposed Tropical Rainfall Measuring Mission (TRMM) Satellite, 69(March), 278–295.
- Tran, T. V., Alvioli, M., Lee, G., dan An, H. U., 2016, Three-dimensional, time-dependent modeling of rainfall-induced landslides over a digital landscape: a case study, *Landslides*, (December), 1–14.
- Tran, T. V., Lee, G., An, H., dan Kim, M., 2017, Comparing the performance of TRIGRS and TiVaSS in spatial and temporal prediction of rainfall-induced shallow landslides, *Environmental Earth Sciences*, 76(8).
- Tran, T. V., Lee, G., An, H., dan Kim, M., 2017, Comparing the performance of TRIGRS and TiVaSS in spatial and temporal prediction of rainfall-induced shallow landslides, *Environmental Earth Sciences*, 76(8).
- Vanapalli, S. K., Fredlund, D. G., Pufahl, D. E., & Clifton, A. W, 1996, Model for the prediction of shear strength with respect to soil suction. *Canadian Geotechnical Journal*, 33(3), 379–392.
- van Genuchten, M. T., 1980, A Closed-form Equation for Predicting the Hydraulic Conductivity of Unsaturated Soils 1, *Soil Science Society of America Journal*, 44(5), 892.
- van Groenewoud, H., 1960, Methods and Samplers for Obtaining Undisturbed Soil Samples in the Forest, *Soil Science*, 90(5), 272–274.
- Villarreal, R., Lozano, L. A., Soracco, C. G., Filgueira, R. R., dan Sarli, G. O., 1900. Soil water diffusivity: A Simple Laboratory Method for Its Determination, 3, 15–21.
- Taylor, D.W., 1948, *Fundamentals of Soil Mechanics*. New York: John Wiley & Sons, Inc.
- Wesley, L.D., 2012, Mekanika Tanah untuk Tanah Endapan dan Tanah Residu. Jakarta: Andi Publisher.

- Ward, T. J., Li, R. M., dan Simons, D. B., 1979, Landslide Potential and Probability Considering Randomness of Controlling Factors, dalam Proceedings International Symposium on Risk and Reliability in Water Resources, University of Waterloo, Waterloo, Canada, June 26-28, 592-608.
- Zad, S. N. M., Zulkafli, Z., dan Muhamram, F. M., 2018, Satellite rainfall (TRMM 3B42-V7) performance assessment and adjustment over Pahang river basin, Malaysia. *Remote Sensing*, 10(3), 1–24.
- Zêzere, J. L., Trigo, R. M., dan Trigo, I. F., 2005, Shallow and Deep Landslides Induced By Rainfall In The Lisbon Region (Portugal): Assessment Of Relationships with the North Atlantic Oscillation. *Natural Hazards and Earth System Science*, 5(3), 331–344.
- Zhai, Q., dan Rahardjo, H., 2012, Determination of soil-water characteristic curve variables, *Computers and Geotechnics*, 42, 37–43.