

DAFTAR PUSTAKA

- Arfan, H. & Pratama, A., 2012. Model Eksperimen Pengaruh Kepadatan, Intensitas Curah Hujan dan Kemiringan Terhadap Resapan pada Tanah Organik. *Prosiding*, Volume 6, pp. 1-8.
- Aria, P., 2019. *Katadata.co.id*. [Online]
Available at: <https://katadata.co.id/berita/2019/08/14/gunung-merapi-erupsi-lagi-sejarah-letusan-3000-tahun> [Diakses 27 Agustus 2019].
- Arsyad, S., 1989. *Konservasi Tanah dan Air*. Bogor: Institut Pertanian Bogor.
- ASTM, 2003. *Annual Book of ASTM Standards*. West Conshohocken: s.n.
- Diksita, A., 2020. *Pengaruh Kemiringan Lereng terhadap Kapasitas Infiltrasi dan Laju Erosi pada Material Lereng Terbuka Gunung Merapi*, Yogyakarta: Universitas Gadjah Mada.
- Giesen, N. V. d., Stomph, T.-J., Ajayi, A. E. & Bagayoko, F., 2011. Scale Effects in Hortonian Surface Runoff on Agricultural Slope in West Africa: Field Data and Models. *Agricultural, Ecosystems and Environment*, Volume 142, pp. 95-101.
- Hardiyatmo, H. C., 2012. *Mekanika Tanah 1*. Yogyakarta: Gadjah Mada University Press.
- Hardjowigeno, S., 1987. *Ilmu Tanah*. Jakarta: Mediyatama Sarana Perkasa.
- Harto, S., 1993. *Analisis Hidrologi*. Jakarta: PT Gramedia Pustaka Utama.
- Horton, R. E., 1933. The Role of Infiltration in The Hydrologic Cycle. *Trans. Am. Geophys. Union*, Volume 14, pp. 446-460.
- Ikeya, H., 1993. The Mechanism on the Occurrence of Debris Flows in the Mizunashi River, Unzen Volcano. *Journal of the Japan Society of Erosion Control Engineering*, Volume 47, pp. 15-21.

- Indrawan, J. A., 2017. *Persebaran abu vulkanik di Merapi dikaji oleh Pemodelan Distribusi Abu Vulkanik Hasil Erupsi Gunung Merapi Tahun 2010 Dengan Menggunakan ASH3D*, Yogyakarta: Universitas Gadjah Mada.
- Janeau, J., Bricquet, J., Planchon, O. & Valentin, C., 2003. Soil Crusting and Infiltration on Steep Slopes in Northern Thailand. *European Journal of Soil Science*, Volume 54, pp. 543-553.
- Jones, R., Thomas, R. E., Peakall, J. & Manville, V., 2017. Rainfall-Runoff Properties of Tephra: Simulated Effects of Grain-Size and Antecedent Rainfall. *Geomorphology*, Volume 282, pp. 39-51.
- Kisa, H., Yamakoshi, T. & Ishizuka, T., 2014. Impact of Short-term Temporal Changes in Volcanic Ash Fall on Rainfall Threshold for Debris Flow Occurrence in Sakurajima, Japan. *International Journal of Erosion Control Engineering*, Volume 7, pp. 75-84.
- Lavigne, F., Thouret, J.C., Voight, B., Suwa, H. & Sumaryono, A., 2000. Lahars at Merapi Volcano, Central Java: an overview. *Journal of Volcanology and Geothermal Research*, Volume 100, pp. 423-456.
- Liu, H., Lei, T.W., Zhao, J., Yuan, C.P., Fan, Y.T. & Qu, L.Q., 2011. Effects of Rainfall Intensity and Antecedent Soil Water Content on Soil Infiltrability under Rainfall Conditions Using The Run off-on-out Method. *Journal of Hydrology*, Volume 396, pp. 24-32.
- Made, A., Kramadibrata, S. & Wattimena, R., 2012. *Mekanika Batuan*. Bandung: ITB.
- Moriasi, D. N., Arnold, J.G., Van Liew, M.W., Bingner, R.L., Harmel, R.D. & Veith, T.L., 2007. Model Evaluation Guidelines for Systematic Quantification of Accuracy in Watershed Simulations. *American Society of Agricultural and Biological Engineers*, Volume 50, pp. 885-900.

- Munaljid, J. K., L, L. M., Asmaranto, R. & K, D. N., 2015. Aplikasi Model Infiltrasi pada Tanah dengan Model Kostiyacov dan Model Horton Menggunakan Alat Rainfall Simulator. *Jurnal Ilmiah Konservasi Sumberdaya Air*.
- Mu, W., Yu, F., Li, C., Xie, Y., Tian, J., Liu, J. & Zhao, N., 2015. Effects of Rainfall Intensity and Slope Gradient on Runoff and Soil Moisture Content on Different Growing Stages of Spring Maize. *Water*, Volume 7, pp. 2990-3008.
- Nassif, S. H. & Wilson, E. M., 1975. The Influence of Slope and Rain Intensity on Runoff and Infiltration / L'influence de l'inclinaison de terrain et de l'intensité de pluie sur l'écoulement et l'infiltration. *Hydrological Sciences Journal*, Volume 20, pp. 539-553.
- Ningsih, S. & Purnama, S., 2012. *Kajian Laju Infiltrasi Tanah dan Imbuhan Air Tanah Lokal Sub DAS Gendol Pasca Erupsi Merapi 2010*, Yogyakarta: Fakultas Geografi UGM.
- Pall, R., Dickinson, W. T., Beals, D. & McGirr, R., 1983. Development and Calibration of a Rainfall Simulator. *Canadian Agricultural Engineering*, Volume 25, pp. 181-187.
- Patin, J., Mouche, E., Ribolzi, O., Chaplot, V., Sengtahevanghoung, O., Latsachak, K.O., Soulileuth, B. & Valentin, C., 2012. Analysis of Runoff Production at The Plot Scale During a Long-term Survey of a Small Agricultural Catchment in Lao PDR. *Journal of Hydrology*, Volume 426-427, pp. 79-92.
- Selles, A., 2014. *Multi-Disciplinary Study on The Hydrogeological Behavior of The Eastern Flank of The Merapi Volcano, Central Java, Indonesia*, Paris: Pierre and Marie Curie University.
- Sofia, D. A., 2015. *Karakteristik Curah Hujan di Wilayah Gunung Merapi*, Yogyakarta: Universitas Gadjah Mada.
- Sudradjat, A. & Tilling, R. I., 1984. Volcanic Hazards in Indonesia: the 1982-83 eruption of Galunggung : Episodes. Volume 7, pp. 13-19.

- Tarassenko, I., Bielders, C., Guevara, A. & Delmelle, P., 2019. Surface Crusting of Volcanic Ash Deposits Under Simulated Rainfall. *Bulletin of Volcanology*, Volume 81, pp. 1-16.
- Triatmodjo, B., 2008. *Hidrologi Terapan*. Yogyakarta: Beta Offset.
- USGS, 2016. *Volcanic Ash*. [Online]
Available at: https://volcanoes.usgs.gov/volcanic_ash/ash_particle_size.html
[Diakses 10 Oktober 2019].
- Watt, S. F. L., Pyle, D.M., Naranjo, J.A., Rosqvist, G., Mella, M., Mather, T.A & Moreno, H., 2011. Holocene Tephrochronology of The Hualaihue Region (Andean Southern Volcanic Zone, ~42° S), Southern Chile. *Quaternary International*, Volume 246, pp. 324-343.