



DAFTAR PUSTAKA

- Abdurachman, E.K., Hdisantono, R.D., Warsito, P., Sumpena, A.D., dan Kadarsenia, E., 2006, Peta Kawasan Rawan Bencana Gunung Api Slamet, Provinsi Jawa Tengah.:.
- Adityarani, M., 2012, Studi Karakter dan Mekanisme Gunung Api Merapi Tahun 2010– 2011 pada Jalur Sungai Opak, Kabupaten Sleman, Provinsi Daerah Istimewa Yogyakarta: Universitas Gadjah Mada, 11–30 p.
- Aisyah, N., dan Purnamawati, D.I., 2012, Tinjauan Dampak Banjir Lahar Kali Putih, Kabupaten Magelang Pasca Erupsi Merapi 2010: Jurnal Teknologi Technoscientia, v. 5, p. 19–30.
- Badan Pusat Statistik Kabupaten Tegal, 2023, Kecamatan Bumijawa Dalam Angka 2023 (W. D. Janingrum, Ed.): Tegal, BPS Kabupaten Tegal.
- Badan Pusat Statistik Kabupaten Tegal, 2023, Luas Panen Padi Sawah/Padi Ladang - Tabel Statistik: Bps.go.id, <https://tegalkab.bps.go.id/id/statistics-table/2/NjIjMg==/luas-panen-padi-sawah-padi-ladang-.html> (accessed August 2024).
- Badan Pusat Statistik Provinsi Jawa Tengah, 2024, Produksi Padi dan Beras Menurut Kabupaten/Kota di Provinsi Jawa Tengah - Tabel Statistik: Bps.go.id, <https://jateng.bps.go.id/id/statistics-table/2/NDY1IzI=/produksi-padi-dan-beras-menurut-kabupaten-kota-di-provinsi-jawa-tengah.html> (accessed August 2024).
- Badan Pusat Statistik Kabupaten Tegal, 2023, Produksi Padi dan Beras Menurut Kecamatan - Tabel Statistik: Bps.go.id, <https://tegalkab.bps.go.id/id/statistics-table/2/MjU2IzI=/produksi-padi-dan-beras-menurut-kecamatan-.html> (accessed August 2024).
- Bemmelen, V., 1949, The Geology of Indonesia. Vol. 1A. General Geology of Indonesia and Adjacent Archipelagoes: Amsterdam, Government Printing Office, The Hague, v. 1A, 1–766 p.
- Blott, S.J., dan Pye, K., 2001, Gradistat: A grain size distribution and statistics package for the analysis of unconsolidated sediments: Earth Surface Processes and Landforms, v. 26, p. 1237–1248, doi:10.1002/esp.261.
- Bronto, S., 2010, Geologi Gunung Api Purba (U. Hartono & N. Suwarna, Ed.): Bandung, Badan Geologi, 72 p.
- Djuri, M., Samodra, H., Amin, T., dan Gafoer, S., 1996, Peta Geologi Lembar Purwokerto dan Tegal, Jawa:
- Fisher, R. V., dan Schmincke, H.-U., 1984, Lahars, *in* Pyroclastic Rocks, Berlin, Springer-Verlag, p. 297–311.
- Global Volcanism Program | Slamet,
<https://volcano.si.edu/volcano.cfm?vn=263180> (accessed Mei 2024).



- Harijoko, A., Sari, S.A., Wibowo, H.E., Setiawan, N.I., dan Moktikanana, M.L.A., 2021, Stratigraphy, chronology, and magma evolution of Holocene volcanic products from Mt. Slamet deposited in the Guci Valley, Central Java, Indonesia: Journal of Volcanology and Geothermal Research, v. 418, p. 107341, doi:10.1016/j.jvolgeores.2021.107341.
- Hendrawan, A., Nabilah, M., Setyadji, B., dan Sadarviana, V., 2023, Lahar Inundation Estimation of Mount Semeru Relating to the 4th December 2021 Volcano Eruption: IOP Conference Series: Earth and Environmental Science, v. 1276, doi:10.1088/1755-1315/1276/1/012013.
- Indarto, S., Permana, H., Gaffar, E.Z., Bakti, H., Al Kausar, A., Nurohman, H., Sudarsono, S., dan Sudrajat, Y., 2017, Struktur Geologi Dan Litologi Sebagai Kontrol Munculnya Mata Air Panas Di Guci Dan Baturaden, Jawa Tengah: RISET Geologi dan Pertambangan, v. 27, p. 97, doi:10.14203/risetgeotam2017.v27.287.
- Iverson, R.M., Schilling, S.P., dan Vallance, J.W., 1998, Objective delineation of lahar-inundation hazard zones: Bulletin of the Geological Society of America, v. 110, p. 972–984, doi:10.1130/0016-7606(1998)110<0972:ODOLIH>2.3.CO;2.
- Jakob, M., dan Hungr, O., 2005, Debris-flow Hazards and Related Phenomena: Chichester, Praxis Publishing Ltd, v. 60, doi:10.1177/003591576706000844.
- Kataoka, K., dan Nakajo, T., 2004, Flow Transformation and Depositional Organization of Debris Flow-Hyperconcentrated Flow-Streamflow Spectrum in Volcanic Fan-Delta Setting: The Pleistocene Lower and Middle Formations, Yachiho Group, Central Japan: Journal of the Sedimentological Society of Japan, v. 59, p. 17–26, doi:10.4096/jssj1995.59.17.
- Kurniawan, V.O., Mei, E.Y.W., dan Hadmoko, D.S., 2020, Pemodelan Aliran Lahar Gunung Api Merapi untuk Perhitungan Risiko Kerugian pada Penggunaan Lahan Terdampak di Bantaran Sungai Boyong, Pakem, Sleman, D.I. Yogyakarta: Jurnal Geografi Lingkungan Tropik, v. 3, p. 22–44, doi:10.7454/jglitrop.v3i2.64.
- Lavigne, F., dan Thouret, J.C., 2003, Sediment transportation and deposition by rain-triggered lahars at Merapi Volcano, Central Java, Indonesia: Geomorphology, v. 49, p. 45–69, doi:10.1016/S0169-555X(02)00160-5.
- McLaren, P., 1981, The Effects of Sediment Transport on Grain Size Distributions: Journal of Sedimentary Research, v. 51, p. 611–624, doi:10.1306/212F7CF2-2B24-11D7-8648000102C1865D.
- McManus, J., 1988, Grain Size Determination and Interpretation, in Techniques in Sedimentology, Blackwell Scientific Publications, p. 63–85, doi:10.1016/s0016-6995(89)80112-3.
- Newhall, C.G., dan Self, S., 1982, The volcanic explosivity index (VEI): an



- estimate of explosive magnitude for historical volcanism.: Journal of Geophysical Research, v. 87, p. 1231–1238, doi:10.1029/jc087ic02p01231.
- Nichols, G., 2009, Sedimentology and Stratigraphy: Chichester, West Sussex, John Wiley & Sons Ltd, 24 p.
- Phillips, J., Barclay, J., Cole, P., Johnson, M., Miller, V., dan Robertson, R., 2024, Impacts and prospective hazard analysis of rainfall-triggered lahars on St Vincent 2021–22: Geological Society Special Publication, v. 539, p. 245–266, doi:10.1144/SP539-2022-313.
- Pratomo, I., dan Hendrasto, M., 2012, Karakteristik Erupsi Gunung Slamet, Jawa Tengah, *in* Maryanto, I., Noerdjito, M., dan Partomihardjo, T. ed., Ekologi Gunung Slamet Geologi, Klimatologi, Biodiversitas dan Dinamika Sosial, Jakarta, LIPI Press, p. 1–13.
- Putri, F.S., Setiawan, B., Adrian, F., dan Rahmatillah, L.F., 2023, Analisis Ukuran Butir Sedimen Dataran Banjir Sungai Krueng Sawang di Daerah Sawang, Kabupaten Aceh Utara: Acta Geoscience, Energy, and Mining, v. 02, p. 58–64.
- Schilling, S.P., 1998, LAHARZ; GIS programs for automated mapping of lahar-inundation hazard zones:, <http://pubs.er.usgs.gov/publication/ofr98638>.
- Schilling, S., 2014, LaharZ _ py : GIS Tools for Automated Mapping of Lahar Inundation Hazard Zones: U.S. Geological Survey Open-File Report 2014-1073, p. 5.
- Scott, K.M., Vallance, J.W., dan Pringle, P.T., 1995, Sedimentology, behavior, and hazards of debris flows at Mount Rainier, Washington: US Geological Survey Professional Paper, v. 1547.
- Smith, G.A., dan Lowe, D.R., 1991, Lahars: Volcano-Hydrologic Events and Deposition in The Debris Flow-Hyperconcentrated Flow Continuum, *in* Fisher, R. V. dan Smith, G.A. ed., Sedimentation in Volcanic Settings, Tulsa, Oklahoma, SEPM (Society for sedimentary Geology), p. 59–70, doi:10.1016/0377-0273(92)90052-f.
- Sudarsono, B., dan Yuwono, B.D., 2019, Analisis Sebaran Aliran Lava Untuk Pembuatan Peta Mitigasi Bencana Gunung Slamet: Elipsoida : Jurnal Geodesi dan Geomatika, v. 2, p. 28–35, doi:10.14710/elipsoida.2019.5015.
- Surjono, S.S., dan Amijaya, D.H., 2017, Sedimentologi: Yogyakarta, Gadjah Mada University Press, 60 p.
- Sutawidjaja, I.S., dan Sukhyar, R., 2009, Cinder cones of Mount Slamet , Central Java , Indonesia: Jurnal Geologi Indonesia, v. 4, p. 57–75.
- Tchop, J.L., Metang, V., Dili-Rake, J., Nana, G.V., Ngue, P.W., Tassongwa, B., dan Ntieche, B., 2021, The Lahars of the South-East slope of Mount Cameroon: geological study, economic interest and impacts of their



exploitation on the environment: *Turkish Journal of Geosciences*, v. 2, p. 1–12, doi:10.48053/turkgeo.929327.

Thouret, J.-C., Aisyah, N., Jenkins, S.F., Bélizal, E. de, Sulistiyan, Charbonnier, S.J., Sayudi, D.S., Nandaka, I.G.M.A., Mainsant, G., dan Solikhin, A., 2023, Merapi's Lahars: Characteristics, Behaviour, Monitoring, Impact, Hazard Modelling and Risk Assessment, *in* Merapi Volcano Geology, Eruptive Activity, and Monitoring of a High-Risk Volcano, Switzerland, Springer, p. 501–552.

Thouret, J.C., Antoine, S., Magill, C., dan Ollier, C., 2020a, Lahars and debris flows: Characteristics and impacts: *Earth-Science Reviews*, v. 201, doi:10.1016/j.earscirev.2019.103003.

Thouret, J.C., Antoine, S., Magill, C., dan Ollier, C., 2020b, Lahars and debris flows: Characteristics and impacts: *Earth-Science Reviews*, v. 201, doi:10.1016/j.earscirev.2019.103003.

Vallance, J.W., 2000, Lahars, *in* Sigurdsson, H., Houghton, B., McNutt, S.R., Rymer, H., dan Stix, J. ed., Encyclopedia of Volcanoes, London, Academic Press, p. 601–616.

Vallance, J.W., dan Iverson, R.M., 2015, Lahars and Their Deposits: The Encyclopedia of Volcanoes, p. 649–664, doi:10.1016/B978-0-12-385938-9.00037-7.

Vallance, J.W., dan Scott, K.M., 1997, The Osceola Mudflow from Mount Rainier: Sedimentology and Hazard Implications of a Huge Clay-rich Debris Flow: *Bulletin of the Geological Society of America*, v. 109, p. 143–163, doi:10.1130/0016-7606(1997)109<0143:TOMFMR>2.3.CO;2.

Viotto, S., Toyos, G., dan Bookhagen, B., 2023, An Assessment of the Effects of DEM Quality and Spatial Resolution on a Model for Mapping Lahar Inundation Areas at Volcan Copahue (Argentina & Chile): *Journal of South American Earth Sciences*, v. 121, p. 1–15.

Vukadinovic, D., dan Sutawidjaja, I., 1995, Geology, mineralogy and magma evolution of Gunung Slamet Volcano, Java, Indonesia: *Journal of Southeast Asian Earth Sciences*, v. 11, p. 135–164, doi:10.1016/0743-9547(94)00043-E.

Wentworth, C.K., 1922, A Scale of Grade and Class Terms for Clastic Sediments: *The Journal of Geology*, v. 30, p. 377–392.

Widagdo, A., Soedirman, U.J., Iswahyudi, S., Soedirman, U.J., Anjar, F., Laksono, T., Soedirman, U.J., Waluyo, G., dan Soedirman, U.J., 2021, Socialization of Mount Slamet Eruption in Banyumas Regency , Central Java Province , Indonesia: v. 3, p. 46–55, doi:10.20884/1.dj.2021.3.2.1553.