



## DAFTAR PUSTAKA

- Agustiyanto, D.A. dan Santosa, S., 1993, Peta Geologi Lembar Situbondo, Jawa: Pusat Penelitian dan Pengembangan Geologi
- Bronto, S., 2013, Geologi Gunung Api Purba: Bandung, Badan Geologi.
- Bursik MI, Sparks RSJ, Gilbert JS, Carey SN (1992) Sedimentation of tephra by volcanic plumes: I Theory and its comparison with a study of the Fogo A Plinian deposit, Sao Miguel (Azores). Bull Volcanol 54 : 329-344
- Cahyani, S. M., 2022, Studi Komponen Butir dan Crystal Size Distribution (CSD) Fragmen Pumis Pada Endapan Jatuhan Piroklastik (RJP1) G. Raung, Provinsi Jawa Timur. Yogyakarta: UGM
- Cahyani, S.M., Wibowo, H.E., Moktikanana, M.L.A., Harijoko A., dan Kristianto, 2021, Estimation of Volume and Column Height from Pumiceous Tephra- Fall Deposits of Mt. Raung, East Java, Indonesia: The 13th Regional Conference Geological and Geo-Resource Engineering 2021.
- Cas, R.A.F., dan Wright, J. V., 1987, Volcanic Successions Modern and Ancient: a geological approach to processes, products and successions: London, Chapman and Hall, doi:10.1007/978-0-412-44640-5.
- Cashman, K. V. dan Marsh, B.D. 1988. Crystal size distribution (CSD) in rocks and the kinetics and dynamics of crystallization II: Makaopuhi lava lake. Contributions to Mineralogy and Petrology, 99, <https://doi.org/10.1007/BF00375363>.
- Chesner, C. A., 2011, The Toba Caldera Complex. Quarternary International, v 258, p. 5 – 18, doi : 0.1016/j.quaint.2011.09.025
- Global Volcanism Program, 2013, Raung (263340) in Volcanoes of the World, v. 4.10.4 (09 Dec 2021). Venzke, E (ed.). Smithsonian Institution. Diunduh pada 25 Februari 2023 (<https://volcano.si.edu/volcano.cfm?vn=263340>).
- Gudmundsson, M. T., Thordarson, T., Hoskuldsson, A., Larsen, G., Bjornsson, H., & Prata, F. (2012). Ash generation and distribution from the April-May 2010 eruption of Eyjafjallajökull, Iceland. v. 2 (572), doi : 10.1038/srep00572
- Hardiyanti, A.D., 2020, Studi Karakteristik Vesikularitas dan Bentuk Butir Skoria Produk Erupsi Pembentuk Kaldera lautan Pasir, Kompleks Kaldera Bromo- Tengger: Departemen Teknik Geologi Universitas Gadjah Mada.
- Higgins, M.D., 2000, Measurement of crystal size distributions: American





Mineralogist, v. 85, p. 1105–1116, doi:10.2138/am-2000-8-901.

Higgins, M.D., 2006, Quantitative Textural Measurements in Igneous and Metamorphic Petrology: Cambridge University Press.

Houghton, B. F., 2015. Pyroclastic Fall Deposits

Inman, D. L., 1952, Measures for Describing The Size Distribution of Sediment, Journal of Sedimentary Research, v. 22, p. 125-145, doi : 10.1306/D42694DB-2B26-11D7-8648000102C1865D

Kaneko, T., Maeno, F., Yasuda, A., 2019. Observation of the Eruption Sequence and Formation Process of A Temporary Lava Lake during the June – August 2015 Mt. Raung Eruption, Indonesia, Using High-Resolution and High- Frequency Satellite Image Datasets, Journal of Volcanology and Geothermal Research, v. 377, p. 17 – 32, doi 10.1016/j.jvolgeores.2019.03.016

Lezzi, G., Hammer, J. E., Whittington, A., dan Neuville, D. R., 2020, Editoria : Research Topic Crystal Nucleation and Growth in Magmatic Suspensions, Frontier in Earth Sciences, v. 8, doi : 10.3389/feart.2020.607972

Maeno, F., Nakada, S., Yoshimoto, M., Shimano, T., Hokanishi, N., Zaennudin, A. and Iguchi, M. 2019. A sequence of a plinian eruption preceded by dome destruction at Kelud volcano, Indonesia, on February 13, 2014, revealed from tephra fallout and pyroclastic density current deposits. Journal of Volcanology and Geothermal Research, 382, <https://doi.org/10.1016/j.jvolgeores.2017.03.002>.

Marsh, B.D., 1988, Crystal size distribution (CSD) in rocks and the kinetics and dynamics of crystallization - I. Theory: Contributions to Mineralogy and Petrology, v. 99, p. 277–291, doi:10.1007/BF00375362.

Morgan, D.J. dan Jerram, D.A., 2006, On estimating crystal shape for crystal size distribution analysis: Journal of Volcanology and Geothermal Research 154, p 1-7.

Metrich N., Vidal, C. M., Komorowski, J., Pratomo, I., Michel, A., Kartadinata, N., Prambada, O., Rachmat, H., Surono, 2017. New Insights into Magma Differentiation and Storage in Holocene Crustal Reservoirs of the Lesser Sunda Arc: the Rinjani-Samalas Volcanic Complex (Lombok, Indonesia). Journal of Petrology, v. 58 (11), p. 2257-2284.

Moktikanana, M.L.A., Sistem dan Evolusi Magma Gunung Api Raung, Kabupaten Jember, Bondowoso, dan Banyuwangi, Jawa Timur: Yogyakarta, Departemen Teknik Geologi Universitas Gadjah Mada.





- McPhie, J., Doyle, M., dan Allen, R., Volcanic Textures: A guide to the interpretation of textures in volcanic rocks: Tasmania, Tasmanian Government Printing Office.
- Papantoniou, D., dan List, E. J., 1989, Large-scale structure in the far field of buoyant jets, *J Fluid Mech*, v. 209, pp.151-190
- Pendowo, B. Dan Samodra. H., 1997, Peta Geologi Lembar Besuki Jawa: Pusat Penelitian dan Pengembangan Geologi.
- Pusat Vulkanologi dan Mitigasi Bencana Geologi (PVMBG), 2014, Data Dasar Gunung Api Raung diakses pada 20 Februari 2023 dari [http://www.vsi.esdm.go.id/index.php/Gunung\\_api/data-dasar-Gunung\\_api/526-g-raung](http://www.vsi.esdm.go.id/index.php/Gunung_api/data-dasar-Gunung_api/526-g-raung)
- Rannou, E., dan Caroff, M., Crystal Size Distribution in Magmatic Rocks : Proposition of a Synthetic Theoretical Model. *Journal of Petrology*, v. 51 ( 5), p. 1087-1098, doi : 10.1093/petrology/egq012
- Robinson, J. E., Bacon, C. R., Major, J.J., Wright, H. M., Vallance, J. W., 2017, Surface Morphology of Caldera-Forming Eruption Deposits Revealed by Lidar Mapping od Crater Lake National Park, Oregon – Implications for Deposition and Surface Modification. *Journal of Volcanology and Geothermal Research*, v. 342, p. 61-78, doi : 10.1016/j.jvolgeores.2017.02.012
- Sabila, F.S.N., 2019, Analisis distribusi ukuran kristal kuantitatif lava prakaldera Gunung Raung, Jawa Timur: investigasi perubahan viskositas dan waktusimpan magma: Fakultas Ilmu dan Teknologi Kebumian Institut Teknologi Bandung.
- Sabila, F.S.N. dan Abdurrachman, M., 2020, Mekanisme Pembentukan Struktur Geologi di Gunung Raung, Provinsi Jawa Timur: Jurnal Teknologi Sumberdaya Mineral, v. 1, no.1, p. 1–10.
- Shea, T., Houghton, B.F., Gurioli, L., Cashman, K.V., Hammer, J.E., Hobden, B.J., 2010. Textural studies of vesicles in volcanic rocks: an integrated methodology. *J. Volcanol. Geotherm. Res.* 190, 271–289.
- Sidarto, Suwarti, T., dan Sudana, D., 1993, Peta Geologi Lembar Banyuwangi, Jawa: Pusat Penelitian dan Pengembangan Geologi.
- Soeria-Atmadja, R., Bellon, R.C., Pringgoprawiro, H., Polve, M., dan Priadi, B., 1994, Tertiary Magmatic Belt in Java. *Journal of Southeast Asian Earth Sciences*, v.9, p. 13-27, doi : 10.1016/0743-9547(94)90062-0.
- Sparks R. S. J., Bursik M. I., Ablay G. J., Thomas R. M. E., dan Carey S. N., 1992, Sedimentation of tephra by volcanic plumes. Part 2: controls on thickness and grain size variations of tephra fall





deposits. Bull Volcanol 54: 685–695.

- Suhendro, I., Toramaru, A., Miyamoto, T., Miyabuchi, Y., Yamamoto, T., 2021. Magma chamber stratification of the 1815 Tambora caldera-forming eruption. Bull. Volcanol. 83, 63.
- Sutawidjaja, I.S., Suparman, dan Sitorus, K., 1996, Peta Geologi Gunung api Raung, Jawa Timur: Bandung, Direktorat Vulkanologi.
- Swanson, S.E. 1977. Relation of nucleation and crystal-growth rate to the development of granitic textures. American Mineralogist, 62.
- van Bemmelen, R.W., 1949, The Geology of Indonesia. General Geology of Indonesia and Adjacent Archipelagoes: Government Printing Office, The Hague, p. 545–547; 561–562.
- Walker, G.P.L., 1971, Grain-size characteristics of pyroclastic deposits: The Journal of Geology, v. 79, p. 696–714, <https://doi.org/10.1086/627699>.
- Wardoyo, A.Y.P., Noor, J.A.E., Elbers, G., Schmitz, S., Flaig, S.T., dan Budianto, A., 2020, Characterizing volcanic ash elements from the 2015 eruptions of bromo and raung volcanoes, Indonesia: Polish Journal of Environmental Studies, v. 29, p. 1899–1907, doi:10.15244/pjoes/99101.
- Winter, J.D., 2014, Principles of Igneous and Metamorphic Petrology: Pearson Education Limited.
- Woods, A.W., dan Bursik, M.I. (1991). Particle fallout, thermal disequilibrium and volcanic plumes, Bulletin of Volcanology 53, p 559-570.

