

DAFTAR PUSTAKA

- Aisyah, N., Iguchi, M., Subandriyo, Budisantoso, A., Hotta, K., Sumarti, S., 2018. Combination of a pressure source and block movement for ground deformation analysis at Merapi volcano prior to the eruptions in 2006 and 2010. *J. Volcanol. Geotherm. Res.* 357, 239–253. <https://doi.org/10.1016/j.jvolgeores.2018.05.001>
- Anonim, 2012. CG-5 Scintrex Autograv System Operation Manual. Canada: Scintrex Limited.
- Beauducel, F., Cornet, F.H., 1999. Collection and three-dimensional modeling of GPS and tilt data at Merapi volcano, Java. *J. Geophys. Res. Solid Earth* 104, 725–736. <https://doi.org/10.1029/1998JB900031>
- BPPTKG, 2018. Karakteristik Gunung Merapi. URL (accessed 11.13.19).
- Budi-Santoso, A., Lesage, P., Dwiyono, S., Sumarti, S., Subandriyo, Surono, Jousset, P., Metaxian, J.P., 2013. Analysis of the seismic activity associated with the 2010 eruption of Merapi Volcano, Java. *J. Volcanol. Geotherm. Res.* 261, 153–170. <https://doi.org/10.1016/j.jvolgeores.2013.03.024>
- Darmawan, H., Walter, T.R., Brotopuspito, K.S., Subandriyo, I Gusti Made Agung Nandaka, 2018. Morphological and structural changes at the Merapi lava dome monitored in 2012–15 using unmanned aerial vehicles (UAVs). *J. Volcanol. Geotherm. Res.* 349, 256–267. <https://doi.org/10.1016/j.jvolgeores.2017.11.006>
- Dentith, M., Mudge, S., 2014. Geophysics for the Mineral Exploration Geoscientist. Cambridge University Press, United State of America, New York.
- Dove, M.R., 2008. Perception of volcanic eruption as agent of change on Merapi volcano, Central Java. *J. Volcanol. Geotherm. Res.* 172, 329–337. <https://doi.org/10.1016/j.jvolgeores.2007.12.037>
- Dzurisin, D., 2007. Classical surveying techniques, in: Dzurisin, D. (Ed.), *Volcano Deformation: Geodetic Monitoring Techniques*. Springer Berlin Heidelberg, Berlin, Heidelberg, pp. 33–80. https://doi.org/10.1007/978-3-540-49302-0_2
- Gertisser, R., Charbonnier, S.J., Keller, J., Quidelleur, X., 2012. The geological evolution of Merapi volcano, Central Java, Indonesia. *Bull. Volcanol.* 74, 1213–1233. <https://doi.org/10.1007/s00445-012-0591-3>
- Grant, F.S., West, G.F., 1965. Interpretation theory in applied geophysics. McGraw-Hill, New York.
- Humaida, H., 2018. Laporan Aktivitas Gunung Merapi Tanggal 4-11 Mei 2018. Balai Penyelidikan dan Pengembangan Teknologi Kebencanaan Geologi, Yogyakarta.
- Jousset, P., Dwipa, S., Beauducel, F., Duquesnoy, T., Diamant, M., 2000. Temporal gravity at Merapi during the 1993-1995 crisis: An insight into the dynamical behaviour of volcanoes. *J. Volcanol. Geotherm. Res.* 100, 289–320. [https://doi.org/10.1016/S0377-0273\(00\)00141-4](https://doi.org/10.1016/S0377-0273(00)00141-4)
- Jousset, P., Pallister, J., Surono, 2013. The 2010 eruption of Merapi volcano. *Journal*

- of Volcanology and Geothermal Research 261, 1–6.
<https://doi.org/10.1016/j.jvolgeores.2013.05.008>
- Kane, M.F., 1962. A comprehensive system of terrain corrections using a digital computer. *Geophysics* 27, 455–462. <https://doi.org/10.1190/1.1439044>
- Kuhn, M., Featherstone, W.E., Kirby, J.F., 2009. Complete spherical Bouguer gravity anomalies over Australia. *Aust. J. Earth Sci.* 56, 213–223. <https://doi.org/10.1080/08120090802547041>
- Nagy, D., 1966. The prism method for terrain corrections using digital computers. *Pure Appl. Geophys.* 63, 31–39. <https://doi.org/10.1007/BF00875156>
- Nandaka, I.A., 2010. Terminologi Erupsi Merapi. *Bul. Merapi* 07/03, 7–12.
- Ratdomopurbo, A., Beauducel, F., Subandriyo, J., Agung, I.G.M., Newhall, C.G., Sri, D., Suparwaka, H., 2013. Overview of the 2006 eruption of Mt. Merapi 261, 87–97.
- Ratdomopurbo, A., Poupinet, G., 2000. An overview of the seismicity of Merapi volcano (Java, Indonesia), 1983–1994. *J. Volcanol. Geotherm. Res.* 100, 193–214. [https://doi.org/10.1016/S0377-0273\(00\)00137-2](https://doi.org/10.1016/S0377-0273(00)00137-2)
- Saepuloh, A., Koike, K., Omura, M., Iguchi, M., Setiawan, A., 2010. SAR- and gravity change-based characterization of the distribution pattern of pyroclastic flow deposits at Mt. Merapi during the past 10 years. *Bull. Volcanol.* 72, 221–232. <https://doi.org/10.1007/s00445-009-0310-x>
- Santoso, A.B., Aisyah, N., Laksono, R.W., Putra, R., Sunarta, Rahmadi, N., Rozin, M., Nurdin, I., Suparwaka, H., Triyono, Sopari, A., Yulianto, Trimujiyanto, Nurmanaji, A., 2019. Aktivitas Vulkanik Gunung Merapi Periode Januari-April 2019. *Bul. Merapi* 24/01, 23–33.
- Scandone, R., Cashman, K.V., Malone, S.D., 2007. Magma supply, magma ascent and the style of volcanic eruptions. *Earth Planet. Sci. Lett.* 253, 513–529. <https://doi.org/10.1016/j.epsl.2006.11.016>
- Setiawan, A., 2003. Modeling of Gravity Changes on Merapi Volcano: Observed between 1997–2000. Darmstadt University.
- Stix, J., de Moor, J.M., 2018. Understanding and forecasting phreatic eruptions driven by magmatic degassing. *Earth, Planets and Space* 70, 83. <https://doi.org/10.1186/s40623-018-0855-z>
- Surono, Jousset, P., Pallister, J., Boichu, M., Buongiorno, M.F., Budisantoso, A., Costa, F., Andreastuti, S., Prata, F., Schneider, D., Clarisse, L., Humaida, H., Sumarti, S., Bignami, C., Griswold, J., Carn, S., Oppenheimer, C., Lavigne, F., 2012. The 2010 explosive eruption of Java’s Merapi volcano-A “100-year” event. *J. Volcanol. Geotherm. Res.* 241–242, 121–135. <https://doi.org/10.1016/j.jvolgeores.2012.06.018>
- Tiede, C., Camacho, A.G., Gerstenecker, C., Fernández, J., Suyanto, I., 2005. Modeling the density at Merapi volcano area, Indonesia, via the inverse gravimetric problem. *Geochem. Geophys. Geosystems* 6. <https://doi.org/10.1029/2005GC000986>
- Turcotte, D., Schubert, G. (Eds.), 2014. Gravity, in: *Geodynamics*. Cambridge University Press, Cambridge, pp. 230–262.

<https://doi.org/10.1017/CBO9780511843877.006>

Venzke, E. (Ed.), 2018. Report on Merapi (Indonesia). Glob. Volcanism Netw. 43.

<https://doi.org/10.5479/si.GVP.BGVN201807-263250>

Voight, B., Constantine, E.K., Siswowidjono, S., Torley, R., 2000. Historical eruptions of Merapi Volcano. J. Volcanol. Geotherm. Res. 100, 69–138.

Williams-Jones, G., Rymer, H., 2002. Detecting volcanic eruption precursors : a new method using gravity and deformation measurements. J. Volcanol. Geotherm. Res. 113, 379–389.