

## DAFTAR PUSTAKA

- Abidin, H. Z., Andreas, H., Gamal, M., Kusuma, M.A., 2006. Ground deformation of Papandayan volcano before, during, and after the 2002 eruption as detected by GPS surveys. *GPS Solutions*, 10(2), pp. 75-84.
- Aki, K. & Lee, W., 1976. Determination of Three-Dimension; Velocity Anomalies Under A Seismic Array Using First P Arrival Time From Local Earthquakes, A Homogeneous Initial Model. *Journal of Geophysical Research*, p. 81(23).
- Asmoro, P., Wachyudin, D. & Mulyadi, E., 1989. *Peta Geologi Gunungapi Papandayan, Garut, Jawa Barat*, Bandung: Direktorat Vulkanologi.
- Badan Geologi Indonesia, 2011. *Data Dasar Gunung Api Indonesia*. 2 penyunt. Bandung: Kementerian Energi dan Sumber Daya Mineral.
- Bemmelen, V., 1949. *The Geology of Indonesia*. Belanda: Government Printing.
- Berger, P., Got, J.-L., Gonzales, C. V. & Monteiller, V., 2011. Seismic tomography at Popocatepetl volcano, Mexico. *Journal of Volcanology and Geothermal Research*, Volume 200, pp. 234-244.
- Bowden, G. B., 2003. *Calibration of Geophone Microseismic Sensors*, Stanford: Stanford Linear Accelerator Center, Stanford University.
- Červený, V., 2001. *Seismic Ray Theory*. New York: Cambridge University Press.
- CSGIARCSI, 2015. [Online]  
Available at: [Http://srtm.csi.cgiar.org/SELECTION/inputCoord.asp](http://srtm.csi.cgiar.org/SELECTION/inputCoord.asp)
- Gafoer, S. & Samodra, H., 1993. *Peta Geologi Lembar Jakarta, Skala 1:1.000.000*, Bandung: Pusat Penelitian dan Pengembangan Geologi.
- Geiger, L., 1912. Probability method for the determination of earthquake epicenters from the arrival time only, (translated from Geiger's 1910 German article). *Bulletin of St. Louis University*, Volume 8, pp. 56-93.
- Grandis, H., 2009. *Pengantar Permodelan Inversi Geofisika*. s.l.:Himpunan Ahli Geofisika Indonesia.
- Havskov, J. & Ottemoller, L., 2010. *Rountine Data Processing in Earthquake Seismology*. London, New York: Springer Dordrecht Heidelberg.
- Jansen, V., 2003. *A Mixed-Mode GPS Network Processing Approach for Volcano Deformation Monitoring*, s.l.: The University of New South Wales.

- Julian, B. & Gubbins, D., 1977. Three Dimensional Seismic Ray Tracing. *Journal of Geophysics*, Volume 43, pp. 95-113.
- Koketsu, K. & Shutaro, S., 1998. Pseudo-bending method for three-dimensional seismic ray tracing in a spherical earth with discontinuities. *Geophys. J. Int.*, Volume 132, p. 339–346.
- Kumagai, H. & Chouet, B. A., 1999. The complex frequencies of long-period seismic events as probes of fluid composition beneath volcanoes. *Geophysical Journal International*, Volume 138(2), pp. F7-F12.
- Kuolakov, I., Kasatkina, E., Shapiro, N.M., Jaupart, C., Vasilevsky, A., Khrephy, S.E., Al-Arifi, N., Smirnov, S., 2016. The feeder system of the Toba supervolcano from the slab to the shallow reservoir. *Nature Communications*.
- Kusumadinata, K., 1979. *Data dasar gunungapi Indonesia*, Bandung: Direktorat Vulkanologi.
- Kuznetsov, P. & Koulakov, I., 2014. The three-dimensional structure beneath the Popocatepetl volcano (Mexico) based on local earthquake seismic tomography. *Journal of Volcanology and Geothermal Research*, Volume 276, pp. 10-21.
- Lahr, J.C., Chouet, B.A., Stephens, C.D., Power, J.A., Page, R.A., 1994. Earthquake classification, location, and error analysis in a volcanic environment: implications for the magmatic system of the 1989-1900 eruptions at Redoubt Volcano, Alaska. *Journal of Volcanology and Geothermal Research*, Volume 62, pp. 137-151.
- Landon, J., 2000. *A Seismic Model for the Volcanic Activity of Nevado del Ruiz volcano, Colombia*, Kyoto: Phd Thesis, Kyoto University.
- Lee, W., Bennet, R. & Meagher, K., 1972. *A Method of Estimating Magnitude of Local Earthquake from Signal Duration*. California: U.S. Geological Surveys.
- Lee, W. & Lahr, J., 1972. *HYP071 (revised): A Computer Program for Determining Hypocenter, Magnitude, and First Motion Pattern of Local Earthquakes*. s.l.:U.S. Geological Surveys.
- Léveque, J. J., Rivera, L. & Wittlinger, G., 1993. On the use of the checker-board test to assess the resolution of tomographic inversions. *Geophys. J. Int.*, Volume 115, pp. 313-318.
- Maryanto, S., 2010. Seismicity South of Guntur volcano, West Java, Indonesia. *Annals of Disas. Prev. Rest. Inst. Kyoto Univ.*, Issue No. 53 B.

- Minakami, T., 1960. Fundamental Research for Predicting Volcanic Eruptions (part 1). *Bulletin of the Earthquake Research Institute*, Volume 38, pp. 497-544.
- Minakami, T., 1974. Chapter 1 - Seismology of Volcanoes in Japan. In L. Civetta et al., eds.. *Physical Volcanology*, pp. 1-27.
- Momon, 2015. *Laporan Kegiatan Gunung Papandayan Bulan Desember 2014 - Maret 2015*, Garut: Pos Pengamatan Gunungapi Papandayan, Pusat Vulkanologi dan Mitigasi Bencana Geologi.
- Monalia, P., 2011. *Analisis Model Kecepatan Berdasarkan Tomografi Refleksi Waktu Tempuh*, Depok: Universitas Indonesia.
- Munadi, S., 1992. *Mengenal Tomografi Seismik LPL*. No.3/1992 penyunt. s.l.:Lemigas, Indonesia.
- Nakano, M., Kumagai, H. & Kumazawa, M., 1998. The excitation and characteristic frequency of the long-period volcanic event: An approach based on an inhomogenous autoregressive model of a linear dynamic system. *Journal of Geophysical Research*, Volume 103(B5), pp. 10031-10046.
- Nanometric, I., 2006. *Trilum 120P Seismometer User Guide*, Kanata, Ontario, Canada: 250 Herzberg Road.
- Nishimura, T. & Iguchi, M., 2011. *Volcanic Earthquake and Tremor in Japan*. English penyunt. Kyoto: Kyoto University Press.
- Nugraha, A., 2005. *Studi Tomografi 3-D Non-Linear untuk Gunung Guntur Menggunakan Data Waktu Tiba Gelombang P dan S*, Bandung: Intitut Teknologi Bandung.
- Omori, F., 1912. The eruptions and earthquakes of the Asama-Yama II. *Bulletin of the Imperial Earthquake Investigation Committee*, 6(2), pp. 149-226.
- Paige, C. & Saunders, M., 1982. An algoritm for sparse linier equaiton and sparse least squares. *ACM Trans. Math. Soft*, Volume 8, pp. 43-71; 195-209.
- Park, Y. et al., 2015. P-wave velocity structure beneath Mt. Melbourne in northeren Victoria Land, Antartica: Evidence of partial melting and volcanic magma sources. *Earth and Planetary Science Letters*, Volume 432, pp. 293-299.
- PASSCAL, 2016. [Online]  
Available at: [www.passcal.nmt.edu/webfm\\_send/440](http://www.passcal.nmt.edu/webfm_send/440)
- Pavez, C. et al., 2015. Characterization of the Hydrthermal System of the Tinguiririca Volcanic Complex, Central Chile, using Structural Gelogy and Passive Seismic Tomography. *Journa; of Volcanology and Geothermal Research*.

- PVMBG, 2015. [Online]  
Available at: <Http://www.vsi.esdm.go.id/index.php/gunungapi/data-dasar-gunungapi/211-g-papandayan?start=1>, 2015
- Rawlinson, N. & Hons, B., 2000. *Inversion of Seismic Data for Layered Crustal Structure*. s.l.:Monash University.
- Roman, D. & Cashman, K., 2006. The Origin of Volcanotectonic (VT) Earthquake Swarms. *Fundamental of Digital Seismology in Modern Approaches Geophysics*, Volume 15.
- Samodra, H. & Gafoer, S., 1993. *Peta Geologi Indonesia, Lembar Jakarta*, Bandung: Pusat Penelitian dan Pengembangan Geologi.
- Steck, L.K., Rhurber, C.H., Fehler, M.C., Lutter, W.J., Roberts, P.M., Baldrige, W.S., Stafford, D.G., Sessions, R., 1998. Crust and Upper Mantle P Wave Velocity Structure Beneath Valles Caldera, New Mexico: Results from the Jemez Teleseismic Tomography Experiment. *Journal of Geophysics Research*, 103(B. 10), pp. 24,301-24,320.
- Stewart, R., 1991. *Exploration Seismic Tomography: Fundamentals*. Alberta: Society of Exploration Geophysicist.
- Suantika, G., 2002. *Pencitraan Tomografi Seismik 3D Gunung Guntur*, Bandung: Institut Teknologi Bandung.
- Suantika, G., 2009. *Pencitraan Tomografi Atenuasi Seismik 3-D Untuk Delineasi Struktur Internal dan Karakterisasi Sifat Fisis Batuan di Bawah Permukaan Gunung Guntur*, Bandung: Intitut Teknologi Bandung.
- Syahbana, D. K., 2013. *Seismological study of volcanic activity at Papandayan volcano, West Java, Indonesia*, Bruxelles: Universite Libre De Bruxelles.
- Syahbana, D. K., 2014. Fluid dynamics inside a “ wet” volcano inferred from the complex frequencies of long-period (LP) events: An example from Papandayan volcano, West Java, Indonesia, during the 2011 seismic unrest. *Journal of Volcanology and Geothermal Research*, Volume 280, pp. 76-89.
- Telford, W., Geldart, L., Sheriff, R. & Keys, D., 1978. *Applied Geophysics*. Cambridge: Cambridge University Press.
- Thurber, C., 1983. Earthquake Locations and Three-Dimensional Crustal Structure in the Coyote Lake Area, Central California. *Journal of Geophysical Research*, 88(B10), p. 8226.

- Tobayashi, T., Kartadinata, M. & Iguchi, M., 2004. The 2002 Eruption of Papandayan Volcano, West Java, Indonesia. *Bull.Volcanol. Soc. Japan*, pp. 49,1, 41.
- Triastuty, H., Iguchi, M. & Tameguri, T., 2006. Source Mechanism of Monochromatic and Low-Frequency Events at Papandayan volcano, West Java, Indonesia. *Indonesial Journal of Physics*, 17(3).
- Um, J. & Thurber, C. H., 1987. Fast Algorithm for Two-Point Seismic Ray Tracing.. *Bulletin of the Seismological Society of America*, pp. 972-986.
- Van Bemmelen, R. W., 1949. *The Geology of Indonesia*. The Hague, Belanda: Government Printing Office.
- Vargas, C. A. & Torres, R., 2015. Three-dimensional velocity struture of the Galeras volcano (Colombia) from passive local earthquake tomography. *Journal of Volcanology and Geothermal Research*, Volume 301, pp. 148-158.
- Wandono, 2007. *Studi Tomografi Seismik Non-Linear Lokal Untuk Kompleks Kaldera Toba dan Sekitarnya*, Bandung: Institut Teknologi Bandung.
- Wasserman, J., 2002. Volcano Seismology. In P. Bormann (Editor.). *New Manual of IASPEI Seismological Observatory Practice (NMSOPM)*, Volume 1, pp. 1-42.
- Widiyantoro, S., Gorbato, A., Kennett, B. & Fukao, Y., 2000. Improving global shear wave travelttime tomography using three-dimensional ray tracing and iterative inversion. *Geophysical Journal International*, 141(3), pp. 747-758.
- Xu, T., Li, F., Wu, Z., Wu, C., Gao, E., Zhou, B., Zhang, Z., Xu, G., 2014. A Successive Three-Point Perturbation Method for Fast Tracing In Complex 2D and 3D Geological Models. *Tectonophysics*, Volume 627, pp. 72-81.