

## DAFTAR PUSTAKA

- Cardwell, R.K. dan Isacks, B.L. 1981, *A review of the Configuration of the Lithosphere subducted beneath the eastern Indonesia and Philipphine Islands*, The Geology and Tectonics of Eastern Indonesia, Geological Research and Development Centre, Special Publication, 2, p.31-47.
- Firmansyah, R., Nugraha, A.D., Kristianto, 2014, *Micro-earthquake Signal Analysis and Hypocenter Determination around Lokon Volcano Complex*, AIP Conference Proceedings 1685, 050009 (2015).
- Ge, M., 2003, *Analysis of Source Location Algorithms Part II : Iterative Methods*, Pennsylvania State University, University Park PA 16802.
- Geiger, L., 1912, *Probability method for the determination of earthquake epicenters from the arrival time only*, Bull, St. Lous Univ, 8,60-71.
- Gunawan, H., Kristianto, Solihin, A., Bina, F.R., 2012, *Seismisitas Gunungapi Lokon*, Laporan dan Kajian Vulkanisme, Pusat Vulkanologi dan Mitigasi Bencana Geologi, Bandung pp 29-36.
- Haerani, N., Gunawan, H., Kristianto, Kushendarto, Wittiri, S.R., 2010, *Studi terpadu seismik dan deformasi di Gunung Lokon, Sulawesi Utara*, PVMBG, Bandung.
- Havskov J., Ottemöller, L., Voss, P., 2014, *Seisan Tutorial*. Copyright ©2014 Ottemöller, Voss and Havskov.
- Herrmann, R.B., 2009, *Introduction to Earthquake Seismology*. Department of Earth and Atmospheric Sciences.
- Kilaru, S., Kumar, S., Dixit, M.M., Rama Rao, P., 2015, *1-D Velocity Model Deliniated using Dense Seismic Network in the Koyna-Warna Region, Maharashtra, India*, J.Ind. Geophys. Union v.19, no.2, pp:182-189.
- Kissling, E., Ellsworth W.L., Eberhart-Phillips, Kradolfer, U., 1994, *Initial reference models in local earthquake tomography*, Journal of Geophysical Research, Vol. 99 no B.10 p.19,635-19,646.

- Kissling, E., Kradolfer, U., Maurer, H., 1995, *Program Velest User's Guide-Short Introductio*, Zurich : Institute of Geophysics and Swiss Seismological Service.
- Kristianto, Gunawan, H., Haerani, N., Primulyana, S., 2012, *Letusan Lokon 2011, Gunung Lokon, Laporan dan Kajian Vulkanisme*, Pusat Vulkanologi dan Mitigasi Bencana Geologi, Bandung.
- Kriswati, E., Meilano, I., Suhartaman, Suparman, Y., Abidin, H.Z., Sinaga, T., 2012, *Characteristic of Lokon Volcano Deformation of 2009-2011 Based on GPS Data*, Indonesian Journal of Geology, Vol 7 No.4 December 2012: 199-209.
- Kusumadinata, K., 1979, *Data Dasar Gunungapi Indonesia*, Direktorat Vulkanologi pp.661-669.
- Lockhart, A., 2009, *Basic Seisan for Volcano Monitoring*, USGS.
- Muksin, U., Bauer, K., Haberland, C., 2013, *Seismic Vp and Vp/Vs structure of geothermal area around Tarutung (North Sumatra, Indonesia) derived from local earthquake tomography*, Journal of Volcanology and Geothermal Research 260, 27-42.
- Mulyadi, D., Hendrasto, Suradji, M.I., 1990, *Laporan Pemetaan Geologi Gunung Lokon-Empung, Sulawesi Utara*, Direktorat Vulkanologi, Bandung.
- Ottmöler, Lars., Havskov, J., *Seisan Earthquake analysis Software*. Copyright ©2014 Ottmöller, Voss and Havskov.
- Palo, M., Ibáñez, J.M., Cisneros, M., Bretón, M., Del Pezzo, E., Ocaña, E., Orozco-Rojas, J., Posadas, A.M., 2009, *Analysis of seismic wavefield properties of volcanic explosions at Volcán de Colima, México:Insight into the source mechanism*, Geophys. J. Int 177, 1383-1398.
- PVMBG, 2012, *Briefing Siaga gunung Lokon Mei 2012*, Badan Geologi.
- PVMBG, 2013, *Karakteristik Serta Sistem Pemantauan dan Peringatan Dini di Gunungapi-gunungapi Sulawesi Utara, Indonesia*, Badan Geologi.
- Rachman, T.D., Nugraha, A.D., 2012, *Penentuan Model 1-D Kecepatan Gelombang P dan Relokasi Hiposenter secara Simultan untuk Data*

*Gempabumi yang berasosiasi dengan Sesar Sumatra di Wilayah Aceh dan Sekitarnya. JTM Vol. XIX No. 1/2012/*

- Raffaele, R., Fournon, J.P., Gresta, S., 2004, *Minimum 1D Velocity Model From Local Earthquake Data in the Provence Region, South-Eastern France*, Stud. Geophys. Geod., 48.
- Shearer, P.M. 2009. *Introduction to Seismology*. San Diego : Cambridge University Press.
- Siahaan, E., Soemarinda, S., Fauzi, A., Silitonga, T., Azimudin, T., Raharjo, I. B., 2005, *Tectonism and Volcanism Study in the Minahasa Compartment of the North Arm of Sulawesi Related to Lahendong Geothermal Field, Indonesia*, Proceedings World Geothermal Congress.
- Simkin, T. and Siebert, L., 1994. *Volcanoes of the world*, 2nd edn. Smithsonian Institution.
- Siswawidjono, S., Suryo, I., Yokoyama, I. ,1995, *Magma eruption rates of Merapi Volcano, Central Java, Indonesia during one century (1890-1992)*, Bulletin of Volcanology, 57:2, 111-116.
- Strang, G., 1980, *Linear Algebra and its Applications*, Academic Press Inc., New York, New York.
- Suparman, Y., 2010, *Comparison of Focal Mechanism of Volcano-Tectonic Earthquakes Between Active and Normal Periods at Lokon Volcano, North Sulawesi, Indonesia*, Jurnal Gunungapi dan Mitigasi Bencana Geologi, 2 (1).
- Suparman, Y., Saing, U.B., Zaennudin, A., 2013, *Erupsi Gunung Lokon berdasarkan kegempaan, deformasi dan geokimia pada Januari 2011*, Jurnal Lingkungan dan Bencana Geologi, Vol.4 No. 3; 199-217.
- Thurber, C.H., 1992, *Hypocenter-velocity structure coupling in local earthquake tomography*, Phys. Earth Planet. Inter., 75, 55-62.
- Wassermann, J., 2011, *Volcano Seismology*, Geophysikalisches Observatorium der Ludwig-Maximilians Universität München, Ludwigshöhe 8, D-82556.
- Wunderman, R., 2013, *Report on Lokon-Empung (Indonesia)*, Bulletin of the Global Volcanism Network, 38:3. Smithsonian Institution.

### **Sumber Internet**

<http://www.volcanodiscovery.com/lokon.html> diakses pada tanggal 1 Februari 2016 pukul : 20:15 WIB.

<http://www.photovolcanica.com/VolcanoInfo/Lokon/Lokon.html> diakses pada tanggal 1 Februari 2016 pukul : 21:15 WIB.

<http://volcano.si.edu/volcano.cfm?vn=266100> diakses pada tanggal 1 Februari 2016 pukul 21:40 WIB.

[https://id.wikipedia.org/wiki/Gunung\\_Lokon](https://id.wikipedia.org/wiki/Gunung_Lokon) diakses pada tanggal 2 Maret 2016 pukul : 07:58 WIB.

<http://tomohonkota.bps.go.id/> diakses pada tanggal 2 Maret 2016 pukul:08.00 WIB.

<http://earthquake.usgs.gov/earthquakes/map> diakses pada tanggal 3 Maret 2016 pukul : 20:10 WIB.