

DAFTAR PUSTAKA

- Anthe, S., Pasau, G. dan Tanauma, A., 2015, Variasi Zona Lemah Struktur Internal Gunung Lokon Berdasarkan Studi Seismo-Vulkanik, *J. Ilm. Sains*, 15, 1, 27.
- Aziz, K. N., 2018, Identifikasi Struktur Bawah Permukaan di Lapangan Panasbumi Lamongan Berdasarkan Analisis Data Gravitasi GGMplus, *Thesis*, Fakultas Matematika dan Ilmu Pengetahuan Alam, Universitas Gadjah Mada, Yogyakarta.
- Bettadpur, S., 2016, Satellite Gravity: GRACE and GOCE, https://www.ngs.noaa.gov/GRAV-D/2016SummerSchool/presentation/day5/2-Srinivas_Bettadpur_spaceborne.pdf, diakses tanggal 7 November 2019.
- Bunaga, I.G.K.S. dan Nugraha, M.F., 2017, Preliminary Result of the Influence of Earthquake Stress Change and the Implication for Soputan Volcano and Lokon Volcano, *IOP Conf. Ser. Earth Environ. Sci.*, 62, 1, 1-7.
- Camacho, A.G., Prieto, J.F., Ancochea, E., dan Fernandez, J., 2019, Deep Volcanic Morphology Below Lanzarote, Canaries, From Gravity Inversion: New Results for Timanfaya and Implications, *Journal of Volcanology and Geothermal Research*, 369, 64-79
- Cordell, E., 1979, Gravimetric Expression of Graben Faulting in Santa Fe County and Espanola Basin, *30th Field Conf. Santa Fe Country*, New Mexico.
- Dawid, S., Ferdy, F. dan Pasau, G., 2015, Penentuan Lokasi Pergerakan Magma Gunung Api Soputan Berdasarkan Studi Sebaran Hiposenter Gempa Vulkanik Periode Mei 2013 – Mei 2014, *J. Ilm. Sains*, 17, 1, 88.
- Dentith, M. dan Mudge, S.T., 2014, *Geophysics for the Mineral Exploration Geoscientist*, Cambridge University Press, New York.
- Dohr, G., 1974, *Applied Geophysics: Introduction to Geophysical Prospecting*, Ferdinand Enke, Madison.
- Drinkwater, M.R., Floberghagen, R., Haagmans, R., Muzi, D., dan Popescu, A., 2003, GOCE: ESA's First Earth Explorer Core Mission, *Space Science Reviews*, 108, 1-2, 419-432.
- Effendi dan Bawono, 1997, *Peta Geologi lembar Manado, Sulawesi Utara*, Pusat Penelitian dan Pengembangan Geologi, Bandung.
- Grant, F. S., dan West, G. F., 1965, *Interpretation Theory in Applied Geophysics*, McGraw-Hill Book Company.

- Haerani, N., Gunawan, H. dan Wittiri, S.R., 2010, Studi Terpadu Seismik dan Deformasi Di Gunung Lokon , *Jurnal Lingkungan dan Bencana Geologi*, 1, 3, 151–164.
- Harsoni, R., Ngadmanto, D., Suryanto, W., 2020, Crustal and The Uppermost Mantle Structure in Eastern Indonesia From Teleseismic Receiver Function, *ICOPIA*, 1, 1-6
- Hinze, W.J., von Frese, R.R.B., dan Saad, A.H., 2012, *Gravity and Magnetic Exploration*, Cambridge University Press, New York.
- Hirt, C., Claessens, S., Fecher, T., Kuhn, M., Pail, R. dan Rexer, M., 2013, New Ultra-High Resolution Picture of Earth's Gravity Field, *Geophysical Research Letter*, Vol 40, Western Australian Centre for Geodesy, Curtin University, Perth.
- Johannessen, J., 1999, Gravity Field and Steady-State Ocean Circulation Mission, *Reports for Mission Selection, The Four Candidate Earth Explorer Core Missions*, European Space Agency (ESA), Paris.
- Kane, M.F., 1962, A Comprehensive System of Terrain Correction Using a Digital Computer, *Geophysics*, 27, 4, 455-462.
- Kramer, H.J., 2002, GRACE (Gravity Recovery and Climate Experiment), <https://directory.eoportal.org/web/eoportal/satellite-missions/content/article/-grace>, diakses pada tanggal 7 November 2019.
- Kristianto, Gunawan, H., Haerani, N., Mulyana, I., Basuki, A., Primulyana, S., dan Bina, F. R. 2012. Gejala Awal Erupsi Gunung Lokon Februari 2011 - Maret 2012. *Jurnal Lingkungan dan Bencana Geologi*, 3, 3, 151 - 168.
- LaFehr, T.R., 1991, An Exact Solution for Gravity Curvature (Bullard B) Correction, *J.Geophysics*, 56, 1179-1184.
- Lewu, A.P., 2014, Analisis kawasan bencana gunungapi lokon, kota tomohon dan sekitarnya, propinsi sulawesi utara, *Mindagi*, 8, 2, 43–60.
- Lillie, R.J., 1999, Whole Earth Geophysics, An Introductory Textbook for Geologist and Geophysicist, Prentice-Hall Inc., United Stated of America.
- Moritz, H., 2000, Geodetic Reference System 1980, *J. Geoid*, 74, 128-133.
- Nagy, D., 1966, The Gravitational Attraction of a Right Rectangular Prism, *Geophysics*, 31, 2, 362-371.
- Ochieng, L., 2013, Overview of Geothermal Surface Exploration Methods, *Short Course VIII on Exploration for Geothermal Resources*, Lake Bogoria and Lake Naivasha, Kenya, 31 Oktober – 22 November 2013, 1-15.

- Oh, C.W., Choi, S.C., Lee, D.S., Kim, M.D., Park, J.H., dan Seo, M.H., 2013, A Preliminary Study on the Correlation between GRACE Satellite Geoid Data Variation and Volcanic Magma Activity, *Jour. Korean Earth Science Society*, 34, 6, 550–560.
- Pail, R., 2014, CHAMP-, GRACE-, GOCE-Satellite Projects Global Gravity Field Modeling, *Encyclopedia of Geodesy*, Cham: Springer International Publishing, 1-11.
- Palgunadi S., 1992, Laporan Penyelidikan Magnit Gunung Soputan, Sulawesi Utara, Arsip Direktorat Vulkanologi, Bandung.
- Panet, I., Chambodut, A., Diament, M., Holschneider, M., Jamet, O., 2006, New Insights on Intraplate Volcanism in French Polynesia from Wavelet Analysis of GRACE, CHAMP, and Sea Surface Data, *Journal Of Geophysical Research*, 111, B09403, 1-17.
- Pirttijarvi, M., 2008, *Grablox, Gravity interpretation and modeling software based on a 3-D Block Model*, User's Guide, University of Oulu.
- Shang, K., Guo, J., Shum, C.K., Dai, C., dan Luo, J., 2015, GRACE Time-Variable Gravity Field Recovery Using An Improved Energy Balance Approach, *Geophys. J. Int.*, 203, 1773-1786.
- [Smithsonian Institution, 2020, Soputan, https://volcano.si.edu/volcano.cmf?vn=266030](https://volcano.si.edu/volcano.cmf?vn=266030), diakses pada 18 Februari 2020.
- [Smithsonian Institution, 2020, Lokon-Empung, https://volcano.si.edu/volcano.cmf?vn=266100](https://volcano.si.edu/volcano.cmf?vn=266100), diakses pada 26 Februari 2020.
- Stummer, C., Gruber, T., Bouman, J., dan Rispens, S., 2008, GOCE Gradiometry –A Guide for Users, *IAG International Symposium - Gravity, Geoid and Earth Observation*, Chania, 23 – 27 Juni 2008.
- Sudrajat, B., 2018, Pemodelan Struktur Bawah Permukaan Wilayah Kabupaten Nabire di bagian Utara Leher Burung Pulau Papua Menggunakan Pemodelan Inversi 3D dan Analisis Horizontal Derivatif Berdasarkan Data Anomali Gravitasi GGMPplus, *Thesis*, Fakultas Matematika dan Ilmu Pengetahuan Alam, Universitas Gadjah Mada, Yogyakarta.
- Suparman, Y., 2010, Comparison of Focal Mechanism of Volcano-Tectonics Earthquakes Between Active and Normal Periods at Lokon Volcano, North Sulawesi, Indonesia, *Jurnal Gunungapi dan Mitigasi Bencana Geologi*, 2, 1, 135-144.

- Tapley, B.D., Bettadpur, S., Watkins, M., dan Reigber, C., 2004, The Gravity Recovery and Climate Experiment: Mission Overview and Early Results, *Geophysical Research Letter*, 31, American Geophysical Union.
- Telford, W.M., Geldart, L.P. dan Sheriff, R.R., 1990, *Applied Geophysics Second Edition*, Cambridge University Press, New York.
- Torge, W., 2001, *Geodesy 3rd Edition*, De Gruyter, Berlin.
- Utami, P., Browne, P.R.L., Simmons, S.F., Suroto, 2007, Lahendong and Some Other Geothermal Systems in the Western Pacific Belt: Comparison on Their Geologic Settings, Hydrology and Hydrothermal Alteration, *Proceedings 29th NZ Geothermal Workshop*, 1-9.
- Vu, D.T., Bruinsima, S., Bonvalot, S., 2019, A High-Resolution Gravimetric Quasigeoid Model for Vietnam, *Earth, Planets and Space*, 71, 65, 1-16.
- Whitehead, N., 2010, *Montaj Gravity and Terrain Correction*, Geosoft Incorporate, Ontario.
- Wittiri, S. dan Haerani, N., 2010, Gempa Mikro Sebagai Indikasi Amblesnya Kawah Tompaluan, Gunung Lokon, Sulawesi Utara, *J. Lingkungan. dan Bencana Geol.*, 1, 1, 1-10.
- Yasa, S. dkk, 2007, Penyelidikan Geomagnet G. Lokon, Laporan, Pusat Vulkanologi dan Mitigasi Bencana Geologi, Bandung.
- Yohana, T. dkk, 1992, Laporan Penyelidikan Gayaberat G. Soputan, Arsip Direktorat Vulkanologi, Bandung.
- Zhang, Q., F. Guo, L. Zhao, dan Y. Wu, 2017, Geodynamics of Divergent Double Subduction: 3-D Numerical Modeling of A Cenozoic Example in the Molucca Sea Region, Indonesia, *J. Geophys. Res. Solid Earth*, 122, 3977-3998.