

DAFTAR PUSTAKA

- Badan Geologi, 2016, *Gunung Ili Lewotolok*. Badan Geologi PVMBG. <https://vsi.esdm.go.id/>, diakses pada April 2021.
- Badan Informasi Geospasial, 2018, *Data BATNAS*. <http://tides.big.go.id/DEMNAS/index.html>, diakses pada Januari 2021.
- Badan Informasi Geospasial, 2018, *Data DEMNAS*. <http://tides.big.go.id/DEMNAS/DEMNAS.php>. Diakses pada Januari 2021.
- Badan Informasi Geospasial, 2017, *File SHP Provinsi Indonesia*. <https://tanahair.indonesia.go.id/portal-web>, diakses pada Januari 2021.
- Badan Geologi, 2014, *Gunung Ili Lewotolok, Nusa Tenggara Timur*, Badan Geologi: Pusat Vulkanologi dan Mitigasi Bencana Geologi, 2016, <https://vsi.esdm.go.id/index.php/gunungapi/data-dasar-gunungapi/491-levotoli-lebetolo-lebetola-tokojain-warirang-welirang-ili-api>, diakses pada Januari 2021.
- Banerjee, P., 2011, *Geoid*, Encycloped of Solid Earth Geophysics, 353-356, Published by Springer, The Netherlands.
- Barber, P., dkk., 2003, *Paleozoic and Mesozoic Petroleum System in Timor and Arafura Seas*, Eastern Indonesia: Proceedings, IPA Twenty-Ninth Annual Convention and Exhibition, 16p.
- Becker, J.J., dkk., 2009, *Global Bathymetry and Elevation Data at 30 Arc Seconds Resolution: SRTM30_PLUS*, Marine Geod, 32(4), 355-371.
- Blakely, R.J., 1996, *Potential Theory In Gravity And Magnetic Applications*. Cambridge University Press, Cambridge.
- Brouwer, R.J., 1995, *Magnetic Properties of Rocks and Minerals*, The American: Geophysical Union USA.
- Curtin University, 2013, *Data Gravity Disturbance GGMplus*. <http://ddfe.curtin.edu.au/gravitymodels/GGMplus/data/dg/>, diakses pada Januari 2021.
- Curtin University, 2013, *Data DEM ERTM2160*. <http://ddfe.curtin.edu.au/gravitymodels/ERTM2160/data/dem/>, diakses pada Januari 2021.
- Darman, H, dan Sidi, F.H., 2000, *An Outline of the Geology of Indonesia*, Indonesian Geologist Assosiation, ISBN: 9789798126048
- Forsberg, R., 1984, *A study of terrain reductions, density anomalies and geophysical inversion methods in gravity field modelling*, Report 355,

Department of Geodetic Science and Surveying, Ohio State University,
Columbus.

Map data, 2021, *Google maps Indonesia*. ©2021 Google.
<https://www.google.com/maps/place/Indonesia/>, diakses pada Juli
2021

Götze, H-J., 2011, *International Gravity Formula*. Encycloped of Solid Earth
Geophysics, 611-612, Published by Springer, The Netherlands.

Grant, F. S., dan West, G. F. 1965, *Interpretation Theory in Applied Geophysics*,
Mc Graw-Hill Book Company.

Gunradi, R., 2006, *Evaluasi Sumber Daya dan Cadangan Bahan Galian untuk
Pertambangan Skala Kecil di Pulau Lembata, Provinsi Nusa Tenggara
Timur*, Pusat Sumber Daya Geologi.

Hadisurya, D., dkk., 2019, *Identifikasi Magma Chamber Berdasarkan Analisis
Data Magnetik Total di Gunung Ili Lewotolo Kabupaten Lembata,
Nusa Tenggara Timur Berdasarkan Data Survei Tahun 2010*, Jurnal
Geofisika Eksplorasi Vol. 3, No. 3 (2017),
<http://dx.doi.org/10.23960/jge.v3i3.1047>, diakses pada April 2021.

Hamilton, W., 1979, *Tectonics of the Indonesian Region, U.S. Geological Survey
Professional Paper 1078*, United States Government Printing Office,
Washington.

Hartmann, M.A., 1935, *De Werkende Vulkanen van Heteliand Lomblen (Solor
archipel)*, Genoot.

Hirt C., 2010, *Prediction of vertical deflections from high-degree spherical
harmonic synthesis and residual terrain model data*, Journal of
Geodesy 84(3): 179-190, DOI 10.1007/s00190-009-0354-x.

Hirt, C., 2012, *Efficient and accurate high-degree spherical harmonic synthesis of
gravity field functionals at the Earth's surface using the gradient
approach*, J. Geod, 86(9), 729-744, doi: 10.1007/s00190-012-0550-y.

Hirt, C., dkk., 2013, *New ultra-high resolution picture of Earth's gravity field*,
Geophysical Research Letters, Vol 40. DOI 10.1002/grl.50838.

Holmes, S. A., 2003, *High degree spherical harmonic synthesis for simulated earth
gravity modelling*, PhD Thesis, Department of Spatial Sciences, Curtin
University of Thecnology, Perth, Australia.

Holmes, S. A., and N. K. Palvis, 2008, *Spherical harmonic synthesis software
harmonic_synth*. [http://earth-
info.nga.mil/GandG/wgs84/gravitymod/new_egm/new_egm.html](http://earth-info.nga.mil/GandG/wgs84/gravitymod/new_egm/new_egm.html),
diakses pada April 2021.

Jusmi, F., 2016, *Pemodelan Tiga Dimensi Struktur Bawah Permukaan Daerah
Panas Bumi Pamancalan Kabupaten Lebak, Provinsi Banten, Jawa*

Barat Berdasarkan Analisis Data Anomali Gravitasi, Tesis: Jurusan Fisika Fakultas Matematika dan Pengetahuan Alam Universitas Gadjah Mada, Yogyakarta.

Kane, M.F., 1962, *A Comprehensive System of Terrain Correction Using a Digital Computer*, Geophysics Vol. XXIVII, 455-462.

Koesoemadinata, S. dan Noya, N., 1989, *Lembar Lomblen, No. 2307, skala 1:250.000*, Pusat Penelitian dan Pengembangan Geologi (PPG), Bandung.

Lillie, R.J., 1999, *Whole Earth Geophysics, An Introductory Textbook for Geologists and Geophysicists*, Prentice-Hall, Inc., United States of America.

Lowrie, W., 2007, *Fundamentals of Geophysics Second Edition*, Cambridge Univertisty Press.

Magma Indonesia, 2015-2017, Peta sebaran aktivitas *real-time* kebencanaan geologi, Badan Geologi PVMBG, <https://magma.vsi.esdm.go.id/>, diakses pada April 2021.

Mayer-Gürr, dkk., 2010, *ITG-Grace2010 Gravity Field Model*, URL: <http://www.igg.uni-bonn.de/apmg/index.php?id=itg-grace2010>, diakses pada April 2021.

Moritz, H., 1980, *Geodetic Reference System*, Bulletin Géodésique, **54**, 395-405.

Moritz, H., 2000, *Geodetic Reference System 1980*, J. Geod., **74**, 128-140.

Nagy, D., 1966, *The Prism Method for Terrain Correction Using Digital Computer*, Dominion Observatory.

Nettleton, L. L., 1971, *Geophysical Monograph Series NUMBER 1 Elementary Gravity and Magnetics for Geologists and Seismologists*, Society of Exploration Geophysics, United States of America.

Pail, R., dkk., 2011, *First GOCE gravity field models derived by three different approaches*, J Geod, **85**(11), 819-843, doi: 10.1007/s00190-011-0467-x.

Pail, R., dkk., 2013, *Impact of GOCE Level 1b data reprocessing on GOCE-only and combined gravity field models*, Stud. Geophy. Geod. **57**, 155-173.

Pavlis, N.K., dkk., 2012, *The development and evaluation of the Earth Gravitational Model 2008 (EGM2008)*, J. Geophys. Res., **117**, B04406 doi: 10.1029/2011JB008916.

Pirttijarvi, M., 2008, *Gravity Interpretation and Modelling Software Based on a 3-D Block Model*, User Guide: University of Oulu.

- Randall M. Richardson, and George Zandt, 2003, *Inverse Problem In Geophysics GEOS 567, A set of lectures notes, revised and updated summer 2003*, Department of Geosciences, University of Arizona, Tucson, Arizona 85721.
- Reksowirogo, 1972, *Gunung Ili Lewotolo di P. Lomblen*, Direktorat Vulkanologi.
- Rosyid, M.S., Siregar, H., 2017, *Determining Fault Structure Using First Horizontal Derivative (FHD) and Horizontal Vertical Diagonal Maxima (HVDM) Method*, AIP Conference Proceedings, Vol. 1962.
- Setiawan, A., 2003, *Modeling of Gravity Changes on Merapi Volcano, Observed between 1997-2000*, Dissertation, Darmstadt University.
- Smith, D.A., 1998, *There is no such thing as "The" EGM96 geoid: Subtle points on the use of a global geopotential model*, International Geoid Service Bulletin 8, 17-28, International Geoid Services, Milan, Italy.
- Stummer C., dkk., 2013, *Alternative method for angular rate determination within the GOCE gradiometer processing*, J. Geod. 85, 585-596 (2011).
- Sudrajat, B., 2018, *Pemodelan Struktur Bawah Permukaan Wilayah Kabupaten Nabire di Bagian Utara Leher Burung Pulau Papua menggunakan Pemodelan Inversi Tiga Dimensi (3D) dan Analisis Horizontal Derivatif berdasarkan Data Anomali Gravitasi GGMPPlus*, Tesis: Program Studi S2 Ilmu Fisika, Fakultas Matematika dan Ilmu Pengetahuan Alam, Universitas Gadjah Mada, Yogyakarta.
- Telford, W. M., dkk., 1990, *Applied Geophysics Second Edition*, Cambridge University Press, Cambridge.
- Torge, W., 2001, *Geodesy : Third completely revised and extended edition*, Walter de Gruyter, Berlin, New York.
- U. S. Geological Survey, 2014, *DEM SRTM 1S09E123V3 1 ARC SEC*. <https://earthexplorer.usgs.gov/>, diakses pada Januari 2021.
- Van Padang, M.N., 1951, *Catalogue of the Active Volcanoes of Indonesia*, International Volcanological Association.