

DAFTAR PUSTAKA

- Alberts, B., dan Klees, R. (2004). A Comparison of Methods for the Inversion of Airborne Gravity Data. *Journal of Geodesy*, 78(1–2), 55–65. <https://doi.org/10.1007/s00190-003-0366-x>.
- Askari, A. (2016). Precision Geoid Determination by Fast Fourier Transform Solutions of the Kernel Functions of the Gridded Gravity Anomalies and Distances in the Oman Gulf. *International Journal of Engineering Research & Science (IJOER)*, 2(7), 77-84. ISSN [2395-6992].
- Badan Informasi Geospasial (BIG). (2018). Petunjuk Teknis Pengolahan Data Airborne Gravimeter Menggunakan Perangkat Lunak NCTU-AGR. Bogor.
- Badan Informasi Geospasial (BIG). (2019). Survei Gayaberat Indonesia. <http://kgi.big.go.id/aktivitas/surveys>. Diakses pada 31 Juli 2020.
- Badan Informasi Geospasial (BIG). (2020). Model geoid. <https://srgi.big.go.id/page/model-geoid> diakses pada 11 dan 31 Juli 2020.
- Bayoud, F.A., dan Sideris, M.G. (2003). Two Different Methodologies for Geoid Determination from Ground and Airborne Gravity Data. *Geophysical Journal International*, 155(3), 914–922. <https://doi.org/10.1111/j.1365-246X.2003.02083.x>.
- Damiani, T. (2016). Aircraft Positioning for Airborne Gravimetry, in Airborne Gravimetry for Geodesy Summer School, <https://www.ngs.noaa.gov/GRAVD/2016SummerSchool/>.
- DTU Space. (2013). Global Gravity Model. https://www.space.dtu.dk/english/research/scientific_data_and_models/global_marine_gravity_field diakses pada 2 Juni 2020.
- Featherstone, W.E., Dentith, M.C., dan Kirby, J.F. (1998). Strategies for the Accurate Determination of Orthometric Heights from GPS. *Survey Review*, 34(267), 278–296. <https://doi.org/10.1179/003962698791484383>.
- Featherstone, W.E. (2001). Absolute and Relative Testing of Gravimetric Geoid Models using Global Positioning System and Orthometric Height Data. *Computers & Geosciences*, 27(7), 807-814. [https://doi.org/10.1016/S0098-3004\(00\)00169-2](https://doi.org/10.1016/S0098-3004(00)00169-2).
- Featherstone, W.E. (2013). Deterministic, Stochastic, Hybrid and Band-limited Modifications of Hotine's Integral. *Journal of Geodesy*, 87(5), 487–500. <https://doi.org/10.1007/s00190-013-0612-9>.
- Foroughi, I., Vaníček, P., Novák, P., Kingdon, R.W., Sheng, M., Santos, M.C. (2017). Optimal Combination of Satellite and Terrestrial Gravity Data for Regional Geoid Determination using Stokes-Helmert's Method, the Auvergne Test Case. in: Vergos G., Pail R., Barzaghi R. (eds), *International Symposium on Gravity, Geoid and Height Systems 2016. International Association of Geodesy Symposia*, 148. https://doi.org/10.1007/1345_2017_22.
- Foroughi, I., Vaníček, P., Kingdon, R.W., Goli, M., Sheng, M., Afrasteh, Y., Novák, P., dan Santos, M.C. (2019). Sub-centimetre Geoid. *Journal of Geodesy*, 93(6), 849–868. <https://doi.org/10.1007/s00190-018-1208-1>
- Forsberg, R., Olesen, A., Bastos, L., Gidskehaug, A., Meyer, U., dan Timmen, L. (2000). Airborne Geoid Determination. *Earth, Planets and Space*, 52(10), 863–

866. <https://doi.org/10.1186/BF03352296>.
- Forsberg, R. (2002). Downward Continuation of Airborne Gravity Data - an Arctic Case Study. *Gravity and Geoid 2002 - 3rd Meeting of the IGGC*, 51–56.
- Forsberg, R., dan Olesen, A.V. (2010). Airborne Gravity Field Determination. in: Xu, G. (ed.), *Sciences of Geodesy - I*. 83-103. https://doi.org/10.1007/978-3-642-11741-1_3.
- Fotopoulos, G. (2003). An Analysis on the Optimal Combination of Geoid , Orthometric and Elipsoidal Height Data by. *Department of Geomatics Engineering, University of Calgary*, (20185), 230. Retrieved from <http://www.geomatics.ucalgary.ca/links/GradTheses.html>.
- Forsberg, R, dan Tscherning, C. (2008). An Overview Manual for the GRAVSOFT Geodetic Gravity Field Modelling Programs. DTU Space dan Niels Bohr Institute, University of Copenhagen, 1–59.
- Ghilani, C. (2010). *Adjustment Computation: Spatial Data Analysis: Fifth Edition*. John Wiley & Sons, Inc., Hoboken, New Jersey. ISBN 978-0-470-46491-5.
- Heiskanen, W., dan Moritz, H. (1967). *Physical Geodesy*.
- Hinschberger, F., Malod, J.A., Réhault, J.P., Villeneuve, M., Royer, J.Y., dan Burhanuddin, S. (2005). Late Cenozoic Geodynamic Evolution of Eastern Indonesia. *Tectonophysics*, 404(1–2), 91–118. <https://doi.org/10.1016/j.tecto.2005.05.005>.
- Hofmann-Wellenhof, B., dan Moritz, H. (2005). *Physical Geodesy*. <https://doi.org/10.1007/b139113>.
- Hwang, C., Hsiao, Y.S., dan Shih, H.C. (2006). Data Reduction in Scalar Airborne Gravimetry: Theory, Software and Case Study in Taiwan. *Computers and Geosciences*, 32(10), 1573–1584. <https://doi.org/10.1016/j.cageo.2006.02.015>.
- Hwang, C., Hsiao, Y.S., Shih, H.C., Yang, M., Chen, K.H., Forsberg, R., dan Olesen, A.V. (2007). Geodetic and Geophysical Results from a Taiwan Airborne Gravity Survey: Data Reduction and Accuracy Assessment. *Journal of Geophysical Research: Solid Earth*, 112(4), 1–14. <https://doi.org/10.1029/2005JB004220>.
- Jamil, H., Kadir, M., Forsberg, R., Olesen, A., Isa, M.N., Rasidi, S., Mohamed, A., Chihat, Z., Nielsen, E., Majid, F., Talib, K., dan Aman, S. (2017). Airborne Geoid Mapping of Land and Sea Areas of East Malaysia. *Journal of Geodetic Science*, 7(1), 84–93. <https://doi.org/10.1515/jogs-2017-0010>.
- Jia, Y.B. (2019). Rotation in the Space. Iowa State University Computer Science 477/577 Notes, 2017.
- Jekeli, C., Yang, H.J., dan Kwon, J.H. (2013). Geoid Determination in South Korea from a Combination of Terrestrial and Airborne Gravity Anomaly Data. *Journal of the Korean Society of Surveying Geodesy Photogrammetry and Cartography*, 31(6 PART 2), 567–576. <https://doi.org/10.7848/ksgpc.2013.31.6-2.567>.
- Jekeli, C. (2016). Theoretical Fundamentals, in Airborne Gravimetry for Geodesy Summer School, <https://www.ngs.noaa.gov/GRAV-D/2016SummerSchool/>.
- Kirby, J.F. (2003). On the Combination of Gravity Anomalies and Gravity Disturbances for Geoid Determination in Western Australia. *Journal of Geodesy*, 77(7–8), 433–439. <https://doi.org/10.1007/s00190-003-0334-5>.
- LaCoste & Romberg. (2004). *Instructional Manual Model G & D Gravity Meters*. Austin.
- Märdla, S., Ellmann, A., Ågren, J., dan Sjöberg, L.E. (2018). Regional Geoid

- Computation by Least Squares Modified Hotine's Formula with Additive Corrections. *Journal of Geodesy*, 92(3), 253–270. <https://doi.org/10.1007/s00190-017-1061-7>.
- Maulana, A., Imai, A., Van Leeuwen, T., Watanabe, K., Yonezu, K., Nakano, T., Boyce, A., Page, L., dan Schersten, A. (2016). Origin and Geodynamic Setting of Late Cenozoic Granitoids in Sulawesi, Indonesia. *Journal of Asian Earth Sciences*, 124, 102–125. <https://doi.org/10.1016/j.jseaes.2016.04.018>.
- Tim Pusat Studi Gempa Nasional. (2017). *Peta Sumber dan Bahaya Gempa Indonesia Tahun 2017*. Bandung: Pusat Penelitian dan Pengembangan Perumahan dan Permukiman, Badan Penelitian dan Pengembangan, Kementerian Pekerjaan Umum dan Perumahan Rakyat.
- Odera, P.A., dan Fukuda, Y. (2013). Towards an Improvement of the Geoid Model in Japan by GOCE Data: a Case Study of the Shikoku Area. *Earth, Planets and Space*, 65(4), 361–366. <https://doi.org/10.5047/eps.2012.07.005>.
- Pahlevi, A.M., Sofian, I., Pangastuti, D., dan Wijanarto, A.B. (2018). Updating Model Geoid Indonesia (Updating the Indonesian Geoid Model). *Seminar Nasional Geomatika 2018: Penggunaan dan Pengembangan Produk Informasi Geospasial Mendukung Daya Saing Nasional Penyelenggaraan*, 1–11.
- Pahlevi, A., Pangastuti, D., Sofia, N., dan Kasenda, A. (2015). Determination of Gravimetric Geoid Model in Sulawesi – Indonesia. *FIG Working Week 2015: from the Wisdom of the Ages to the Challenges of the Modern World Sofia*, 17–21.
- Preaux, S. (2016). Airborne Gravity Data Processing, in Airborne Gravimetry for Geodesy Summer School, <https://www.ngs.noaa.gov/GRAVD/2016SummerSchool/>.
- Sabri, L.M. (2018). Sistem Referensi Vertikal di Wilayah Land Subsidence (Studi Kasus: Kota Semarang). Disertasi. Departemen Teknik Geodesi, Fakultas Teknik, Universitas Gadjah Mada, Yogyakarta.
- Sabri, L.M., Heliani, L.S., Sunantyo, T.A., dan Widjajanti, N. (2019). *Geoid Determination with Hotine's Integral based on Terrestrial Gravity Data in Semarang City*. <https://doi.org/10.1088/1742-6596/1127/1/012047>.
- Serpas, J.G., dan Jekeli, C. (2005). Local Geoid Determination from Airborne Vector Gravimetry. *Journal of Geodesy*, 78(10), 577–587. <https://doi.org/10.1007/s00190-004-0416-z>.
- Sideris, M.G. (2013). Geoid Determination by FFT Techniques. in: Sansò F., Sideris M. (eds), *Geoid Determination. Lecture Notes in Earth System Sciences*, 110. Springer, Berlin, Heidelberg. https://doi.org/10.1007/978-3-540-74700-0_10.
- Sjöberg, L.E. (1986). The Modification of Stokes' and Hotine's Formulas: A Comparison. *Proceeding International Symposium Figure and Dynamics of the Earth, Moon, and Planets*.
- Sjöberg, L.E., dan Eshagh, M. (2009). a Geoid Solution for Airborne Gravity Data. *Studia Geophysica et Geodaetica*, 53(3), 359–374. <https://doi.org/10.1007/s11200-009-0025-7>.
- Sneeuw, N. (2006). Physical Geodesy. in *Institute of Geodesy Universitat Stuttgart*. <https://doi.org/10.1007/BF02530297>.
- Song, H., Sadovski, A., dan Jeffress, G. (2014). Precision of Geoid Approximation and Geostatistics: How to Find Continuous Map of Absolute Gravity Data.

- Revista de Matemática: Teoría y Aplicaciones, 22(2),199-222.
- Torge, W. (1989). *Gravimetry*. New York: de Gruyter.
- Torge, W., dan Müller, J. (2012). *Geodesy*. Berlin/Boston: Walter de Gruyter GmbH & Co. KG.
- Vanicek, P., Changyou, Z., dan Sjoberg, L. (1992). A Comparison of Stoke's and Hotine's Approaches to Geoid Computation. *Manuscripta Geodaetica*, Vol. 17, 29–35.
- Vermeer, M. (2016). Physical Geodesy. in *Physical Geodesy*. <https://doi.org/10.1007/b139113>.
- Widjajanti, N. (2010). Deformation Analysis of Offshore Platform Using Gps Technique and Its Application in Structural Integrity Assessment. Universiti Teknologi Petronas.
- Yang, H.J. (2013). *Geoid Determination Based on a Combination of Terrestrial and Airborne Gravity Data in South Korea*. (507), 29–51.
- Zdenek, M. (1998). Boundary-Value Problems for Gravimetric Determination of a Precise Geoid. Springer-Verlag Berlin Heidelberg. ISBN 3-540-64462-8
- Zhao, Q., Strykowski, G., Li, J., Pan, X., dan Xu, X. (2017). Evaluation and Comparison of the Processing Methods of Airborne Gravimetry Concerning the Errors Effects on Downward Continuation Results: Case Studies in Louisiana (USA) and the Tibetan Plateau (China). *Sensors (Switzerland)*, 17(6). <https://doi.org/10.3390/s17061205>.
- University of California San Diego. (2020). Extract XYZ Gridof Topography. https://topex.ucsd.edu/cgi-bin/get_srtm15.cgi diakses pada 3 Juli 2020.