

DAFTAR PUSTAKA

- Arisoy, M. Ö., & Dikmen, Ü. (2013). Edge detection of magnetic sources using enhanced total horizontal derivative of the tilt Angle Geliştirilmiş Eğim Açısı Toplam Yatay Türevi ile Manyetik Kaynakların Sınırlarının Belirlenmesi. *Bull Earth Sci Appl Res Centre Hacettepe Univ*, 34(1), 73–82.
- Blakely, R. J. (1996). *Potential theory in gravity and magnetic applications*. Cambridge university press.
- Bogie, K. dan Mackenzie, M. 1998. The Application of a Volcanic Facies Model To an Andesitic Stratovolcano Hosted Geothermal System at Wayang Windu, Java, Indonesia. Proceedings 20th Geothermal Workshop
- Bronto, S. (2010). Geologi Gunung Api Purba Publikasi Khusus. *Bandung: Badan Geologi, Kementrian Energi Dan Sumberdaya Mineral*.
- Bull, W. B. (2008). *Tectonic geomorphology of mountains: a new approach to paleoseismology*. John Wiley & Sons.
- Burbank, D. W., & Anderson, R. S. (2013). *Tectonic geomorphology*. EEGS 1720 South Bellaire, Suite 110, Denver, CO 80222-4303, USA.
- Camus, G., Gourgaud, A., Mossand-Berthommier, P.-C., & Vincent, P.-M. (2000). Merapi (Central Java, Indonesia): an outline of the structural and magmatological evolution, with a special emphasis to the major pyroclastic events. *Journal of Volcanology and Geothermal Research*, 100(1–4), 139–163.
- Commer, M., Helwig, S. L., Hördt, A., Scholl, C., & Tezkan, B. (2006). New results on the resistivity structure of Merapi Volcano (Indonesia), derived from three-dimensional restricted inversion of long-offset transient electromagnetic data. *Geophysical Journal International*, 167(3), 1172–1187.
- Connor, C. B., Conway, F. M., Sigurdsson, H., Houghton, B. F., McNutt, S. R., Rymer, H., & Stix, J. (2000). Encyclopedia of volcanoes. *Basaltic Volcanic Fields*, 331–343.
- Corazzato, C., & Tibaldi, A. (2006). Fracture control on type, morphology and distribution of parasitic volcanic cones: an example from Mt. Etna, Italy. *Journal of Volcanology and Geothermal Research*, 158(1–2), 177–194.
- Crawford, M. J. (1998). Physical Geology, Cliff Notes. *Inc, Lincoln, Nebraska*.
- Davidson, J., De Silva, S., & Sigurdsson, H. (2000). *Encyclopedia of volcanoes*. Academic Press) Composite Volcanoes.
- Davis, G. H., Reynolds, S. J., & Kluth, C. F. (2011). *Structural geology of rocks and regions*. John Wiley & Sons.

- Drinkwater, M. R., Floberghagen, R., Haagmans, R., Muzi, D., & Popescu, A. (2003). GOCE: ESA's first earth explorer core mission. *Space Science Reviews*, 108(1–2), 419–432. <https://doi.org/10.1023/A:1026104216284>
- Fettes, D. dan Desmons, J. 2007. *Metamorphic Rocks: A Classification and Glossary of Terms* (Vol. 1). Cambridge University Press
- Fitriani, D. S., Putri, S. N. A., & Putrajy, I. F. (2020). Metode gravitasi untuk identifikasi Sesar Weluki dengan analisis first horizontal derivative dan second vertical derivative. *Prosiding Seminar Nasional Fisika (E-Journal)*, 9, SNF2020FA-53.
- Gates, A. E., & Ritchie, D. (2007). *Encyclopedia of Earthquakes and Volcanoes*. Facts on File. <https://books.google.co.id/books?id=s2lkHAAACAAJ>
- Gertisser, R., Troll, V. R., Walter, T. R., Nandaka, I. G. M. A., Ratdomopurbo, A. 2023. *Merapi Volcano: Geology, Eruptive Activity, and Monitoring of a High-Risk Volcano*. Springer Nature Switzerland.
- Goudie, A. (2004). *Encyclopedia of geomorphology* (Vol. 2). Psychology Press.
- Grandis, H., & Dahrin, D. (2014). Constrained two-dimensional inversion of gravity data. *Journal of Mathematical and Fundamental Sciences*, 46(1), 1–13. <https://doi.org/10.5614/j.math.fund.sci.2014.46.1.1>
- Groshong, R. H., & Groshong, R. H. (2006). Structural validation, restoration, and prediction. *3-D Structural Geology: A Practical Guide to Quantitative Surface and Subsurface Map Interpretation*, 305–372.
- Hartono, H. G. (2008). *BENTANG ALAM GUMUK GUNUNG API PURBA BERARAH BARATLAUTTENGARA DI DAERAH KARANGDOWO-TAWANGSARI, JAWA TENGAH*.
- Hartono, H. G. (2010). *Geomorfologi dan Petrologi dalam Kajian Penentuan Lokasi Sumber Erupsi Gunung Api Purba di Pegunungan Selatan, Daerah Istimewa Yogyakarta*.
- Hartono, H. G., & Bronto, S. (2009). Analisis stratigrafi awal kegiatan Gunung Api Gajahdangak di daerah Bulu, Sukoharjo; Implikasinya terhadap stratigrafi batuan gunung api di Pegunungan Selatan, Jawa Tengah. *Indonesian Journal on Geoscience*, 4(3), 157–165.
- Hinze, W. J., von Frese, R. R. B., & Saad, A. H. (2012). *Gravity and Magnetic Exploration*. Cambridge University Press. <https://doi.org/10.1017/CBO9780511843129>
- Hinze, W. J., Von Frese, R., & Saad, A. H. (2013). *Gravity and magnetic exploration: Principles, practices, and applications*. Cambridge University Press.

- Hirt, C., & Wildermann, E. (2018). Reactivation of the Venezuelan vertical deflection data set from classical astrogeodetic observations. *Journal of South American Earth Sciences*, 85, 97–107. <https://doi.org/10.1016/j.jsames.2018.05.003>
- Huggett, R. (2011). *Fundamentals of Geomorphology*. Taylor & Francis. <https://books.google.co.id/books?id=sxynYFQ2LBoC>
- Iverson, R. M. (1997). *The physics of debris flows*. *Reviews of Geophysics*, 35(3), 245–296. <https://doi.org/10.1029/97RG00426>
- Irnis D.D, cahyani A.T, & Wijaya H.S. (2024). *MENGANALISIS BATUAN DAN TANAH DI PERMUKAAN BUMI*.
- Koyama, M. (1995). Eruptive history of the Higashi-Izu monogenetic volcano field 2: mainly on volcanoes older than 32,000 years ago. *Bull. Volcan. Soc. Japan*, 40, 191–209.
- Kurniawan, A. (2016). *Kajian Genesis Perbukitan Gendol di Daerah Muntilan-Salam, Kabupaten Magelang, Jawa Tengah*. UGM.
- Li, Y., & Oldenburg, D. W. (1998). 3-D inversion of gravity data. *Geophysics*, 63(1), 109–119.
- Liana, Y. R., Wea, T. M. M., Syarifah, W., Supriyadi, S., & Khumaedi, K. (2020). Analisis Anomali Bouguer Data Gaya Berat Studi Kasus di Kota Lama Semarang. *JRST (Jurnal Riset Sains Dan Teknologi)*, 4(2), 63–68.
- Licker, M. D. (2003). *McGraw-Hill dictionary of geology and mineralogy*. McGraw-Hill.
- Lutgens, F. K., & Tarbuck, E. J. (2012). *Essentials of Geology*. Prentice Hall. <https://books.google.co.id/books?id=7iRecgAACAAJ>
- Manrulu, R., & Wahyudi. (2014). PEMBENTUKAN KARAKTER MELALUI APLIKASI SAINS (PEMODELAN 3D ANOMALI GRAVITASI MAGMA GUNUNGAPI MERAPI DENGAN SOFTWARE GRABLOX, BLOXER DAN ROCKWORK) 1. In *Prosiding Seminar Nasional* (Vol. 01, Issue 1).
- Monroe, J. S., & Wicander, R. (2001). *The changing earth: exploring geology and evolution*. Brooks/Cole Pacific Grove, CA.
- Murwanto, H., & Subandrio, A. (1997). Kajian Geologi dan Sejarah Terhadap Hipotesa Terbentuknya Perbukitan Gendol, Kabupaten Magelang, Jawa Tengah. *Laporan Penelitian*. Yogyakarta: UPN Veteran.
- Nagel, R. (2004). *UXL encyclopedia of landforms and other geologic features*. UXL.
- Newhall, C. G., Bronto, S., Alloway, B., Banks, N. G., Bahar, I., del Marmol, M.-A., Hadisantono, R. D., Holcomb, R. T., McGeehin, J., & Miksic, J. N. (2000).

10,000 Years of explosive eruptions of Merapi Volcano, Central Java: archaeological and modern implications. *Journal of Volcanology and Geothermal Research*, 100(1–4), 9–50.

Perfit, M. R., & Davidson, J. P. (2000). *Plate Tectonics and Volcanism*.

Prastistho, B., & Soesilo, J. (1997). Data Baru Gunung Gendol, Muntilan Jawa Tengah. *Laporan Penelitian*. Yogyakarta: UPN Veteran.

Prastistho, B., & Soesilo, J. (1998). Penafsiran Baru Terhadap Perbukitan Gendol, Muntilan Jawa Tengah. Abstraksi dan Makalah Poster. *Prosiding Pertemuan Ilmiah Tahunan XXVII, Ikatan Ahli Geologi Indonesia*.

Purwaningsih, I., Nur Aziz, K., & Fitrianingtyas, R. (2023). *Identifikasi Patahan dan Struktur Bawah Permukaan Kawasan Potensi Panas Bumi Rawa Dano Provinsi Banten Menggunakan Data Gravitasi GGMPlus* (Vol. 6, Issue 1).

Ragan, D. M. (2009). *Structural Geology*. Cambridge University Press. <https://doi.org/10.1017/CBO9780511816109>

Rahardjo, W. (2013). Sukandarrumidi dan Rosidi, HMD, 1977, Peta Geologi Lembar Yogyakarta, Jawa, skala 1: 100.000. *Puslitbang Geologi*.

Rahardjo, W., Sukandarrumidi, & Rosidi, H. M. D. (1977). *Peta Geologi Lembar Yogyakarta, Jawa*. Direktorat Geologi.

Reynaldi Zulkifli, M., & Perdhana, R. (2024). ANALYSIS OF SUBSURFACE GEOLOGICAL STRUCTURE IN SLEMAN DISTRICT BASED ON GRAVITY DATA ANOMALIES. *JGE (Jurnal Geofisika Eksplorasi)*, 10(02), 162–173.

Reynolds, J. M. (2011). *An introduction to applied and environmental geophysics*. John Wiley & Sons.

Rowland, S. M., Duebendorfer, E. M., & Schiefelbein, I. M. (2007). *Structural Analysis and Synthesis: A Laboratory Course in Structural Geology*. Wiley. <https://books.google.co.id/books?id=IWnmBEtmg2MC>

Safira, A., Saipuddin, M., Anung Andita, Z., Catur, R. W., & Dani, Iham. (2024). *GeoScienceEd* 5(1) (2024). <https://doi.org/10.29303/goescienceed.v5i1.240>

Santosa, L. W. (2016). *Keistimewaan Yogyakarta dari sudut pandang geomorfologi*. UGM PRESS.

Sarkowi, M., & Wibowo, R. C. (2021). Geothermal Reservoir Identification based on Gravity Data Analysis in Rajabasa Area- Lampung. *RISSET Geologi Dan Pertambangan*, 31(2), 77. <https://doi.org/10.14203/risetgeotam2021.v31.1164>

Selley, R. C. (2000). 2000. *Applied Sedimentology*, 2nd ed. x + 523 pp. San Diego, San Francisco, New York, Boston, London, Sydney, Tokyo: Academic Press.

Price US \$82.50 (hard covers). ISBN 0 12 636375 7. 630.
<https://doi.org/10.1017/S0016756801376082>

- Setijadji, L. D., Kajino, S., Imai, A., & Watanabe, K. (2006). Cenozoic Island Arc Magmatism in Java Island (Sunda Arc, Indonesia): Clues on Relationships between Geodynamics of Volcanic Centers and Ore Mineralization. *Resource Geology*, 56(3), 267–292. <https://doi.org/10.1111/j.1751-3928.2006.tb00284.x>
- Setyanta, B., & Widijono, B. S. (2009). *MEDAN GAYA BERAT PADA BATUAN OFIOLIT (ULTRAMAFIK) DI BEOGA, PAPUA DAN IMPLIKASI TERHADAP GENESIS ALIH TEMPATNYA*.
- Simkin, T., Siebert, L., & Sigurdsson, H. (2000). Earth's volcanoes and eruptions: An overview. *Encyclopedia of Volcanoes*, 249–262.
- Sparks, R. S. J., & Young, S. R. (2002). *The eruption of Soufriere Hills Volcano, Montserrat (1995–1999): overview of scientific results*.
- Sumintadireja, P., Dahrin, D., & Grandis, H. (2018). A Note on the Use of the Second Vertical Derivative (SVD) of Gravity Data with Reference to Indonesian Cases. *Journal of Engineering & Technological Sciences*, 50(1).
- Suppe, J. (1985). *Principles of structural geology*.
- Telford, W. M., Geldart, L. P., & Sheriff, R. E. (1990). *Applied geophysics*. Cambridge university press.
- Tiede, C., Camacho, A. G., Gerstenecker, C., Fernández, J., & Suyanto, I. (2005). Modeling the density at Merapi volcano area, Indonesia, via the inverse gravimetric problem. *Geochemistry, Geophysics, Geosystems*, 6(9).
- Ui, T., Takarada, S., & Yoshimoto, M. (2000). *Debris avalanches:-En: SIGURDSON, H.(ed.): Encyclopedia of volcanoes*. Academic Press.
- van Bemmelen, R. W. (1949). General Geology of Indonesia and adjacent archipelagoes. *The Geology of Indonesia*.
- Van der Pluijm, B. A., Marshak, S., & Allmendinger, R. W. (2004). *Earth Structure: An Introduction to Structural Geology and Tectonics*. W.W. Norton. <https://books.google.co.id/books?id=CZGnQgAACAAJ>
- Verstappen, H. Th. (2010). Indonesian Landforms and Plate Tectonics. *Indonesian Journal on Geoscience*, 5(3), 197–207. <https://doi.org/10.17014/ijog.5.3.197-207>
- Vessel, Richard K. dan Davies, D. K. 1981. Nonmarine Sedimentation in an Active Fore Arc Basin. SEPM Special Publication no. 31, pg. 31-45

Walker, G. P. L. (2000). *Basaltic volcanoes and volcanic systems*, In *"Encyclopedia of Volcanoes"*(H. Sigurdsson Ed.). Academic Press, San Diego.

Wildany A.L. (2023). FORMULASI MITIGASI BENCANA ALIRAN SEDIMEN AKIBAT LONGSORAN GUNUNG BAWAKARAENG. *Doctoral Dissertation*, Universitas Hasanuddin.
<https://repository.unhas.ac.id/id/eprint/32111/>

Winter, J. D. 2013. *Principles of Igneous and Metamorphic Petrology* (2 ed). Pearson Education

Wyllie, D. C., & Mah, C. W. (2004). *Rock Slope Engineering* (4th ed.). CRC Press.

Zuhdi, M., Taufik, M., & Ayub, S. (n.d.). Wahyudi, & Makhrus, M.(2021). *Pengantar Geofisika*.