DAFTAR PUSTAKA

Allard, P., Dajlevic, D., & Delarue, C. (1989). Origin of carbon dioxide emanation from the 1979 Dieng eruption, Indonesia: Implications for the origin of the 1986 Nyos catastrophe. *Journal of Volcanology and Geothermal Research*, *39*, 195–206. https://doi.org/https://doi.org/10.1016/0377-0273(89)90058-9

Arifianto, I., Nishijima, J., & Wibowo, R. C. (2025). Maetec: An Optimized Matlab-Based Approach For Accurate And Efficient Terrain Correction In Complete Bouguer Anomaly. *Rudarsko-Geološko-Naftni Zbornik*, *40*(5), 43–56. https://doi.org/10.17794/rgn.2025.5.4

Badan Geologi. (2023). *Peta potensi panas bumi Provinsi Jawa Tengah*.

Barberi, F., Cioni, R., Rosi, M., Santacroce, R., Sbrana, A., & Vecci', R. (1989). Magmatic and phreatomagmatic phases in explosive eruptions of Vesuvius as deduced by grain-size and component analysis of the pyroclastic deposits. *Journal of Volcanology and Geothermal Research*, *38*(3–4), 287–307. https://doi.org/https://doi.org/10.1016/0377-0273(89)90044-9

Blakely, R. J. (1995a). *Potential Theory in Gravitasi and Magnetic Applications*. Cambridge University Press.

Blakely, R. J. (1995b). *Potential Theory in Gravity and Magnetic Applications*. Cambridge University Press, Cambridge Core.

Boedihardi, M., Suranto, & Sudarman, S. (1991). Evaluation of the Dieng Geothermal Field; Review of Development Strategy. *20th Annual Convention Proceedings* , 347–361.

Bogie, I., Sugiono, S. R. A., & Malik, D. (2010). Volcanic Landforms that Mark the Successfully Developed Geothermal Systems of Java, Indonesia Identified from ASTER Satellite Imagery. *Proceedings World Geothermal Congress*, 25–29. http://ava.jpl.nasa.gov

Chen, Z., Grasby, S. E., Yuan, W., Lu, D., & Deblonde, C. (2025). Identification of geothermal anomalies from Landsat derived land surface temperature, Mount Meager volcanic complex, British Columbia, Canada. *Remote Sensing of Environment*, *320*. https://doi.org/10.1016/j.rse.2025.114649

Coolbaugh, M. F., Kratt, C., Fallacaro, A., Calvin, W. M., & Taranik, J. V. (2007). Detection of geothermal anomalies using Advanced Spaceborne Thermal Emission and Reflection Radiometer (ASTER) thermal infrared images at Bradys Hot Springs, Nevada, USA. *Remote Sensing of Environment*, *106*(3), 350–359. https://doi.org/10.1016/j.rse.2006.09.001

Dewanto, B. G., Hadmoko, D. S., Ramadhani, N. F., & Julius, A. M. (2025). Multitemporal satellite images for monitoring the volcanic activities and geothermal potential of Ternate Island's Gamalama Volcano, Indonesia's densest active volcanic island. *Remote Sensing Applications: Society and Environment*, *38*. https://doi.org/10.1016/j.rsase.2025.101555

Dickson, Mary H, Fanelli, & Mario. (2003). *Geothermal energy:utilization and technology* (M. H. Dickson & M. Fanelli, Eds.). the United Nations Educational, Scientific and Cultural Organization.

Dobrin, M. B., & Savit, C. H. (1988). *Introduction to Geophysics Propecting* (4th ed.). McGraw-Hill.

Ferreira, F. J. F., de Souza, J., Bongiolo, A. de B. e. S., & de Castro, L. G. (2013). Enhancement of the total horizontal gradient of magnetic anomalies using the tilt angle. *GEOPHYSICS*, *78*(3), J33–J41. https://doi.org/10.1190/geo2011-0441.1

Fukao, Y., Yamamoto, A., & Nozaki, K. (1981). A Method Of Density Determination For Gravity Correction. *J. Phys. Earth*, *29*, 163–166.

Gillespie, A., Rokugawa, S., Matsunaga, T., Cothern, J. S., Hook, S., & Kahle, A. B. (1998). A Temperature and Emissivity Separation Algorithm for Advanced Spaceborne Thermal Emission and Reflection Radiometer (ASTER) Images. *IEEE TRANSACTIONS ON GEOSCIENCE AND REMOTE SENSING*, *36*(4), 1113.

Grant, M. A., & Bixley, P. F. (2011). *Geothermal reservoir engineering* (2nd ed.). Academic Press.

Grauch, V. J. S., & Cordell, L. (1987). Short Note Limitations of determining density or magnetic boundaries from the horizontal gradient of gravity or pseudogravity data. *Geophysics*, *52*(1). http://library.seg.org/

Hamilton, W. B. (1979). *Tectonics of the Indonesian region* (Vol. 1078). US Government Printing Office.

Harijoko, A., Uruma, R., Wibowo, H. E., Setijadji, L. D., Imai, A., Yonezu, K., & Watanabe, K. (2016). Geochronology and magmatic evolution of the Dieng Volcanic Complex, Central Java, Indonesia and their relationships to geothermal resources. *Journal of Volcanology and Geothermal Research*, *310*, 209–224. https://doi.org/10.1016/j.jvolgeores.2015.12.010

Hecker, C., & Hewson, R. D. (2021, March). Remote Detection of Thermal Anomalies for Geothermal Exploration. How Well Does It Work? *Proceedings World Geothermal Congress 2020+1*.

Hirt, C., Claessens, S., Fecher, T., Kuhn, M., Pail, R., & Rexer, M. (2013). New ultrahigh-resolution picture of Earth's gravity field. *Geophysical Research Letters*, *40*(16), 4279–4283. https://doi.org/10.1002/grl.50838

Hirt, C., Yang, M., Kuhn, M., Bucha, B., Kurzmann, A., & Pail, R. (2019). SRTM2gravity: An Ultrahigh Resolution Global Model of Gravimetric Terrain Corrections. *Geophysical Research Letters*, *46*(9), 4618–4627. https://doi.org/10.1029/2019GL082521

Hochstein, M. P. (2017). *Classification and assessment of geothermal resources*. https://www.researchgate.net/publication/316876669

Hochstein, M. P., & Sudarman, S. (2008). History of geothermal exploration in Indonesia from 1970 to 2000. *Geothermics*, *37*(3), 220–266. https://doi.org/10.1016/j.geothermics.2008.01.001

Hochstein, M. P., & Sudarman, S. (2015). Indonesian Volcanic Geothermal Systems. *Proceedings World Geothermal Congress*, 19–25.

Jacobsen, B. H. (1987). A case for upward continuation as a standard separation filter for potential-field maps. *Geophysics* , *52*(8), 1138–1148.

Juhri, S., Yonezu, K., Harijoko, A., Nurpratama, M. I., & Yokoyama, T. (2023). Diverse scale deposition in response to the change in chemical properties of geothermal water at the Dieng geothermal power plant, Indonesia. *Geothermics*, *111*. https://doi.org/10.1016/j.geothermics.2023.102717

KESDM. (2017). *Potensi Panas Bumi Indonesia* (Jilid 1). Direktorat Panas Bumi.

Layman, E. B., Agus, L., & Warsa, S. (2002). The Dieng Geothermal Resource, Central Java, Indonesia. *Geothermal Resources Council Transactions*, *26*, 60.

Li, Tang, B. H., Wu, H., Ren, H., Yan, G., Wan, Z., Trigo, I. F., & Sobrino, J. A. (2013). Satellite-derived land surface temperature: Current status and perspectives. *Remote Sensing of Environment*, *131*, 14–37. https://doi.org/10.1016/j.rse.2012.12.008

Li, Y., & Oldenburg, D. W. (1996). 3-D inversion of magnetic data. *Geophysics*, *61*(2), 394–408. https://doi.org/10.1190/1.1443968

Lowrie, William. (2007). *Fundamentals of geophysics*. Cambridge University Press.

Miller, H. G., & Singh, V. (1994). Potential field tilt a new concept for location of potential field sources. In *Journal of Applied Geophysics* (Vol. 32).

Miller, Sushyar, Santoso, & Hamidi, S. (1983). *Eruptive history of the Dieng Mountains region, central Java, and potential hazards from future eruptions*. https://doi.org/https://doi.org/10.3133/ofr8368

Muffler, L. J. P., & Cataldi, R. (1978). Methods for regional assessment of geothermal resources. *Geothermics*, *7*, 2–4.

Muhajir, M. A., Seminar, K. B., & Nelwan, L. O. (2023). Detecting thermal anomalies in lahendong geothermal prospect using ASTER TIR and Landsat 8. *Jurnal Pengelolaan Sumberdaya Alam Dan Lingkungan*, *13*(3), 494–503. https://doi.org/10.29244/jpsl.13.3.494-503

Nurpratama, M. I., Atmaja, R. W., & Wibowo, Y. T. (2015). Detailed Surface Structural Mapping of the Dieng Geothermal Field in Indonesia. *Proceedings World Geothermal Congress*, 19–25.

Osinowo, O. O., Gomy, A., & Isseini, M. (2021). Mapping hydrothermal alteration mineral deposits from Landsat 8 satellite data in Pala, Mayo Kebbi Region, Southwestern Chad. *Scientific African*, *11*. https://doi.org/10.1016/j.sciaf.2020.e00687

Pambudi, N. A., Itoi, R., Yamashiro, R., CSS Syah Alam, B. Y., Tusara, L., Jalilinasrabady, S., & Khasani, J. (2015). The behavior of silica in geothermal

brine from Dieng geothermal power plant, Indonesia. *Geothermics*, *54*, 109–114. https://doi.org/10.1016/j.geothermics.2014.12.003

Parasnis, D. S. (1952). *A Study Of Rock Densities In The English Midlands*.

Parasnis, D. Shripad. (1987). *Principles of applied geophysics*. Chapman and Hall.

Prasad, K. N. D., Pham, L. T., Singh, A. P., Eldosouky, A. M., Abdelrahman, K., Fnais, M. S., & Gómez-Ortiz, D. (2022). A Novel Enhanced Total Gradient (ETG) for Interpretation of Magnetic Data. *Minerals*, *12*(11). https://doi.org/10.3390/min12111468

PT. Geo Dipa Energi. (2017). *Laporan Survei Geosains*.

Qin, Q., Zhang, N., Nan, P., & Chai, L. (2011). Geothermal area detection using Landsat ETM+ thermal infrared data and its mechanistic analysis-A case study in Tengchong, China. *International Journal of Applied Earth Observation and Geoinformation*, *13*(4), 552–559. https://doi.org/10.1016/j.jag.2011.02.005

Ramadhan, Y., Channel, K., & Herdianita, N. R. (2013). Hotwater Geochemistry for Interpreting The Condition of Geothermal Reservoir, Dieng Plateau Case, Banjarnegara-Wonosobo Regency, Central Java. *Indonesian Journal of Geology*, *8*(2), 89–96. http://maps.google.com,

Ravat, D. (2007). Upward and Downward Continuation. In *Encyclopedia of Earth Sciences Series* (Vol. 2007, pp. 974–976). Springer Science and Business Media B.V. https://doi.org/10.1007/978-1-4020-4423-6_311

Reynolds, J. M. (1997). *An introduction to applied and environmental geophysics*. John Wiley and Sons Ltd.

Romaguera, M., Vaughan, R. G., Ettema, J., Izquierdo-Verdiguier, E., Hecker, C. A., & van der Meer, F. D. (2018). Detecting geothermal anomalies and evaluating LST geothermal component by combining thermal remote sensing time series and land surface model data. *Remote Sensing of Environment*, *204*, 534–552. https://doi.org/10.1016/j.rse.2017.10.003

Rosid, M. S., & Sibarani, C. (2021). Reservoir identification at Dieng geothermal field using 3D inversion modeling of gravity data. *Journal of Physics: Conference Series*, *1816*(1). https://doi.org/10.1088/1742-6596/1816/1/012083

Serway. (2009). *Fisika untuk Sains dan Teknik* (6th ed.). salemba teknik.

Shalihin, M. G. J., Darmawan, D., Tiyana, R. A., & Chandra, V. R. (2022, February). The Geology and Geothermal System of the Dieng Geothermal Field, Central Java, Indonesia. *47th Workshop on Geothermal Reservoir Engineering Stanford University*.

Simandjuntak, T. O., & Barber, A. J. (1996). Contrasting tectonic styles in the Neogene orogenic belts of Indonesia. In R. Hall & D. Blundell (Eds.), *Tectonic Evolution of Southeast Asia* (pp. 185–201). Geological Society Special Publication No. 106. http://sp.lyellcollection.org/

Sobrino, J. A., Jiménez-Muñoz, J. C., & Paolini, L. (2004). Land surface temperature retrieval from LANDSAT TM 5. *Remote Sensing of Environment*, *90*(4), 434–440. https://doi.org/10.1016/j.rse.2004.02.003

Talwani, M. (1965). Computation with the help of a digital computer of magnetic anomalies caused by bodies of arbitrary shape. *Geophysics* , *30*(5), 797–817.

Telford, W., Geldart, L., & Sheriff, R. (1990). *Geofisika Terapan* (2nd ed.). Cambridge University Press.

Telford, W. M., Gedart, L. P., & Sheriff, R. E. (1990). *Applied Geophysics*. Cambridge University Press.

Uchida, T., Takakura, S., Ueda, T., Sato, T., & Abe, Y. (2014). Three-Dimensional Resistivity Structure of the Yanaizu-Nishiyama Geothermal Reservoir, Northern Japan. *Environmental Science, Geology, Engineering*.

Uchôa, J., Viveiros, F., Tiengo, R., & Gil, A. (2023). Detection of Geothermal Anomalies in Hydrothermal Systems Using ASTER Data: The Caldeiras da Ribeira Grande Case Study (Azores, Portugal). *Sensors*, *23*(4). https://doi.org/10.3390/s23042258

USGS. (2019). *Landsat 8 data users handbook (Version 5.0)*. U.S. Geological Survey.

van Bemmelen, R. W., & Nijhoff. (1970). *The Geology of Indonesia*.

Verduzco, B., Fairhead, J. D., Green, C. M., & MacKenzie, C. (2004). New insights into magnetic derivatives for structural mapping. *Leading Edge (Tulsa, OK)*, *23*(2), 116–119. https://doi.org/10.1190/1.1651454

Weng, Q. (2009). Thermal infrared remote sensing for urban climate and environmental studies: Methods, applications, and trends. *ISPRS Journal of Photogrammetry and Remote Sensing*, *64*(4), 335–344. https://doi.org/10.1016/j.isprsjprs.2009.03.007

Weng, Q., Fu, P., & Gao, F. (2014). Generating daily land surface temperature at Landsat resolution by fusing Landsat and MODIS data. *Remote Sensing of Environment*, *145*, 55–67. https://doi.org/10.1016/j.rse.2014.02.003

Wijns, C., Perez, C., & Kowalczyk, P. (2005). Theta map: Edge detection in magnetic data. *Geophysics*, *70*(4). https://doi.org/10.1190/1.1988184

Wohletz, K., & Heiken, G. (1992). *Volcanology and Geothermal Energy*. University of California Press.

Zuhdi, M., Taufik, M., & Ayu, S. (2021). *Pengantar Geofisika*. Penerbit Einstein College.

Zuhdi, M., Taufik, M., & Ayub, S. (2021). Pengantar Geofisika. Penerbit Einstein College. In *Applied Sciences (Switzerland)* (Vol. 15, Issue 7). Multidisciplinary Digital Publishing Institute (MDPI). https://doi.org/10.3390/app15073740.