

DAFTAR PUSTAKA

- Adivadilah, F., 2024, Identifikasi Zona Struktur Geologi dan Manifestasi Air Panas Gunung Talang - Bukit Kili Menggunakan Metode Remote Sensing, Skripsi Sarjana, Teknik Geofisika, Institut Teknologi Sumatera, Lampung Selatan.
- Andreastuti, S.D., Paripurno, E.T., Gunawan, H., 2018, Peta Kawasan Rawan Bencana Gunungapi Talang, Sumatera Barat, Pusat Vulkanologi dan Mitigasi Bencana Geologi (PVMBG), Bandung.
- Augusty, D.G., Bagaskara, M.F., Oktaviani, A.D., 2023, Analisis Potensi Panas Bumi Pada Daerah G. Karang, Banten, Menggunakan Metode Penginderaan Jauh, Jurnal Teknik Geologi: Jurnal Ilmu Pengetahuan dan Teknologi, Vol. 5, Hal. 15, DOI: 10.30872/jtgeo.v5i2.5455.
- Blakely, R.J., 1996, Potential Theory in Gravity and Magnetic Applications, Cambridge University Press, Cambridge.
- Cahyati, W. (2025). Pemanfaatan Data Global Gravity Model (GGM)plus untuk Identifikasi Aktivitas Vulkanik dan Tektonik Wilayah Sumatera Barat, Indonesia. Skripsi, Universitas Andalas.
- Chasanah, U., Febriani, S.D.A., Minarto, E., 2021, Pendugaan Struktur Bawah Permukaan Gunung Merapi Berdasarkan Analisis Data Anomali Medan Gravitasi Citra Satelit, Jurnal Fisika Flux: Jurnal Ilmiah Fisika FMIPA Universitas Lambung Mangkurat, Vol. 18(1), Hal. 25-34, DOI: 10.20527/flux.v18i1.8456.
- Dentith, M., dan Mudge, S. T. (2014). Geophysics for the Mineral Exploration Geoscientist. Cambridge University Press.
- Dickson, M.H., Fanelli, M., 2004, What is Geothermal Energy?, Istituto di Geoscienze e Georisorse, CNR, Pisa.

El-Taher, M.M.S., Sawires, R., Tawfiq, S.N.E., Youssef, H.R., Li, W., 2025, Geospatial Intelligence and Multi-Criteria Analysis for Mapping Groundwater Potential Zones and Sustainable Resource Management in Wadi Qena Basin, Eastern Desert, Egypt, *Applied Water Science*, Vol. 15, Artikel 145, DOI: 10.1007/s13201-025-02487-1.

Falatehan, A.F., 2016, *Analytical Hierarchy Process (AHP): Teknik Pengambilan Keputusan untuk Pembangunan Daerah*, Indomedia Pustaka, Yogyakarta.

Gupta, H., Roy, S., 2006, *Geothermal Energy: An Alternative Resource for the 21st Century*, Elsevier, Amsterdam.

Hidayat, M.R., Marin, J., Rais, B.A., Syafa, N.D., Nur, F.I., 2023, Land Surface Temperature (LST) and Fault Fracture Density (FFD) Analysis in Bukit Kili Gunung Talang Geothermal Area, West Sumatra, *Journal of Aceh Physics Society*, Vol. 12, Hal. 25-31, DOI: 10.24815/jacps.v12i2.31160.

Hinze, W.J., von Frese, R.R.B., Saad, A.H., 2012, *Gravity and Magnetic Exploration*, Cambridge University Press, Edinburgh.

Idral, A. (2011). Effects of Subsurface Topography and Hydrogeology on Gunung Talang Hot Water Systems, Sumatra, Indonesia: An Analysis Based on Gravity Data. *Proceedings of the Stanford Geothermal Workshop*.

Khairunnisa, 2025, *Geothermal Potential Mapping Using Remote Sensing and AHP Based Multicriteria Analysis in Surian, Solok Regency, West Sumatera*, Skripsi Sarjana, Departemen Fisika, Universitas Andalas, Padang.

Kurniawan, O., 2022, Analisis Fault Fracture Density pada Potensi Panas Bumi Non-Vulkanik untuk Menentukan Recharge Area: Studi Kasus di Wilayah Lore Lindu, Sulawesi Tengah, *Jurnal Ilmiah Geomatika*, Vol. 2, Hal. 46, DOI: 10.31315/imagi.v2i2.9417.

Kusrini, 2007, Konsep dan Aplikasi Sistem Pendukung Keputusan, Andi Offset, Yogyakarta.

Macharia, M.W., Gachari, M.K., Mariita, N.O., Mundia, C.N., Kurnia, D.N., 2018, A GIS-Based Approach for Exploring Geothermal Resources Along Part of The Kenyan Rift, *Journal of Applied Science, Engineering and Technology for Development*, DOI: 10.33803/jasetd.2017.3-1.1.

Mayangsari, D., 2014, Geologi dan Studi Alterasi Hidrotermal Daerah Kamojang, Kabupaten Bandung, Jawa Barat, Tesis Magister, Institut Teknologi Bandung, Bandung.

NASA, 2020a, OLI-2 Design, Landsat Science, <https://landsat.gsfc.nasa.gov/satellites/landsat-9/landsat-9-instruments/oli-2-design/> (diakses 12 April 2024).

NASA, 2020b, TIRS-2 Design, Landsat Science, <https://landsat.gsfc.nasa.gov/satellites/landsat-9/landsat-9-instruments/tirs-2-design/> (diakses 12 April 2024).

Ngene, T., Mukhopadhyay, M., Ampana, S., 2022, Reconnaissance Investigation of Geothermal Resources in Parts of the Middle Benue Trough, Nigeria Using Remote Sensing and Geophysical Methods, *Energy Geoscience*, Vol. 3, Hal. 360-371, DOI: 10.1016/j.engeos.2022.06.002.

Njinju, E. A., dkk. (2019). Lithospheric Structure of the Malawi Rift: Implications for Magma-Poor Rifting Processes. *Tectonics*, 38.

Noor, M., Abidin, Z., Suryantini, 2019, Challenges in Conventional Geothermal Exploration in Indonesia: Lessons from Remote Volcanic Areas, *Proceedings World Geothermal Congress 2019*, Melbourne, Australia, Hal. 1-10.

- Noorollahi, Y., Itoi, R., Fujii, H., Tanaka, T., 2008, GIS Integration Model for Geothermal Exploration and Well Siting, *Geothermics*, Vol. 37(2), Hal. 107-131, DOI: 10.1016/j.geothermics.2007.12.001.
- Nurul, M., Yuliantina, A., Yulianata, A., Yogi, I.B.S., 2020, Forward Modelling Metode Gayaberat dengan Model Intrusi dan Patahan Menggunakan OCTAVE, *Jurnal Geocelebes*, Vol. 4(2), Hal. 111-117, DOI: 10.20956/geocelebes.v4i2.10112.
- Purnomo, J., Koesuma, S., dan Yunianto, M. (2013). Pemisahan Anomali Regional-Residual pada Metode Gravitasi Menggunakan Metode Moving Average, Polynomial dan Inversion. *Indonesian Journal of Applied Physics*, 3(1), 10-20.
- Pusat Sumber Daya Geologi, 2011, Potensi Panas Bumi Indonesia Jilid 1, Pusat Sumber Daya Geologi, Bandung.
- Pusat Sumber Daya Mineral, Batubara dan Panas Bumi (PSDMBP), 2013, Survei Terpadu Geologi, Geokimia, dan Geofisika Daerah Panas Bumi Gunung Talang-Bukit Kili, Kabupaten Solok, Provinsi Sumatera Barat, Kementerian Energi dan Sumber Daya Mineral, Bandung.
- Royana, R., 2013, Panduan Kelestarian Ekosistem untuk Pemanfaatan Panas Bumi, WWF-Indonesia, Jakarta.
- Saaty, T.L., 2008, Decision Making with the Analytic Hierarchy Process, *International Journal of Services Sciences*, Vol. 1(1), Hal. 83-98, DOI: 10.1504/IJSSCI.2008.017590.
- Saaty, T.L., Vargas, L.G., 2012, Models, Methods, Concepts & Applications of the Analytic Hierarchy Process, Springer Science & Business Media, New York.
- Sagita, A.R., Margaliu, A.S.C., Rizal, F., Mazzaluna, H.P., 2022, Analisis Korelasi Suhu Permukaan, NDVI, Elevasi dan Pola Perubahan Suhu Daerah Panas

Bumi Rendingan-Ulubelu-Waypanas, Tanggamus Menggunakan Citra Landsat 8 OLI/TIRS, Jurnal Geosains dan Remote Sensing, Vol. 3, Hal. 43-51, DOI: 10.23960/jgrs.2022.v3i1.72.

Sari, R., Widodo, 2020, Manifestasi Panas Bumi di Gunung Talang: Studi Geologi Lapangan dan Implikasi Eksplorasi, Jurnal Geologi Indonesia, Vol. 15(2), Hal. 120-135, DOI: 10.17014/ijog.v15i2.

Sihotang, B., Haryanto, A.D., Hutabarat, J., Gentana, D., 2021, Fault Fracture Density Analysis to Determine Geothermal Prospect Area in Dolok Marawa, Jurnal Geosains dan Teknologi, Vol. 9, Hal. 316-324.

Tchoukeu, C. D. N., dkk. (2021). Crustal Thickness, Depth to the Bottom of Magnetic Sources and Thermal Structure of the Crust from Cameroon to Central African Republic. Journal of African Earth Sciences.

Telford, W.M., Geldart, L.P., Sheriff, R.E., 1990, Applied Geophysics, Edisi ke-2, Cambridge University Press, Cambridge.

Toth, A., Bobok, E., 2017, Flow and Heat Transfer in Geothermal Systems: Basic Equations for Description and Modeling Geothermal Phenomena and Technologies, Elsevier, Amsterdam.

USGS, 2020, Landsat 9, Earth Resources Observation and Science (EROS) Center, Survei Geologi AS, Reston.

Wahyuni, W., 2025, Identifikasi Struktur Bawah Permukaan Gunung Talang Menggunakan Metode Gravitasi Berdasarkan Data Satelit GGMPlus, Skripsi Sarjana, Departemen Fisika, Universitas Andalas, Padang.

Welayaturromadhona, Susilo, A., Triastuty, H., 2013, Analisis Fisis Aktivitas Gunung Talang-Sumatera Barat Berdasarkan Karakteristik Spektral dan Estimasi Hiposenter Gempa Vulkanik, Jurnal Fisika, Vol. 1, Hal. 1-5.