

DAFTAR PUSTAKA

- Amaliyah, A., 2017, Studi Tingkat Resiko Bahaya Seismik Berdasarkan Analisis Pengukuran Mikrotremor di Kecamatan Alla Kabupaten Enrekang, *Skripsi Sarjana*, Universitas Islam Negeri Alauddin Makassar.
- Amin, T.C., Sidarto, S., Santosa, dan Gunawan, W., 1993, *Geologi Lembar Kota Agung, Sumatera*, Pusat Penelitian Dan Pengembangan Geologi, Bandung.
- Arifin, S.S., Marjiyono., dan Mulyanto, B.S., 2014, Penentuan Zona Rawan Guncangan Bencana Gempa Bumi Berdasarkan Analisis Nilai Amplifikasi HVSR Mikrotremor Dan Analisis Periode Dominan Daerah Liwa dan Sekitarnya, *Jurnal Geofisika Eksplorasi*, Vol. 2, No. 1.
- Bayu, K., Ermi, E., dan Pradanto, P., 2020, Analisis Peak Ground Acceleration di Wilayah Rejang Lebong dan Lubuk Linggau Menggunakan Metode Probabilistic Seismic Hazard Analysis, *Skripsi Sarjana*, Universitas Sriwijaya.
- Blakely, J.R., 1996, *Potential Theory in Gravity and Magnetic Applications*, Cambridge University Press, New york.
- de Groot-Hedlin, C., dan Constable, S., 1990, Occam's Inversion to Generate Smooth, Two-Dimensional Models from Magnetotelluric Data, *Geophysics*, Vol. 55, Hal. 1613-1624, <https://doi.org/10.1190/1.1442813>.
- Dentith, M.C., Mudge, S.T., 2014, *Geophysics for the Mineral Exploration Geoscientist*, Cambridge University Press.
- Desiasni, R., 2016, Inversi Kurva Horizontal To Vertical Spectrum Ratio (HVSR) Untuk Menentukan Kecepatan Gelombang Geser Rerata (V_{s30}) di Daerah Jawa Tengah, *Tesis*, Universitas Gadjah Mada, Yogyakarta.
- Fäh, D., Kind, F., dan Giardini, D., 2003, Inversion of local S-wave velocity structures from average H/V ratios, and their use for the estimation of site-effects, *Journal of Seismology*, Vol. 7, No. 4, Hal. 449–467, DOI:10.1023/b:jose.00000005712.860.
- Fauzi., 2009, Analisis Data Seismogram untuk Menentukan Parameter Magnitude Gempa Bumi: Studi Kasus Gempa Bumi Padang 30 september 2009, *Skripsi Sarjana*, Universitas Islam Negeri Syarif Hidayatullah Jakarta.

- Febrina, H. S., 2017, Analisis Kerentanan Bangunan dengan Pengujian Mikrotremor Studi Kasus di Daerah Rawan Pergerakan Tanah, *Skripsi Sarjana*, Universitas Negeri Semarang, Semarang.
- Fernandez-Blanco, D., Philippon, M., dan von Hagke, C., 2016, Structure and kinematics of the Sumatran fault system in North Sumatra (Indonesia). *Tectonophysics*, 693, Hal. 453–464.
- Franco, P., 2009, *Hydrothermal processes and mineral systems*, Springer.
- Gafoer, S., Amin, T.C., dan Pardede, R., 2007, *Geological map of Bengkulu quadrangle Sumatra*, Pusat Survey Geologi, Bandung.
- Gazali, L., 2017, Berdasarkan Inversi Mikrotremor Spectrum Horizontal to Vertical Spectral Ratio (HVSr) Studi Kasus: Tanah Longsor Desa Olak Alen, *Jurnal Teknik ITS*, Vol. 6, No. 2.
- GGMplus, 2023, *Global Gravity Model Plus*, Western Australian Geodesy Group at Curtin University, Australia.
- Grandis, H., 2009, *Pengantar Pemodelan Inversi Geofisika Himpunan Ahli Geofisika Indonesia (HAGI)*. Jakarta.
- Gupta, H., dan Roy, S., 2007, *Geothermal Energy: An Alternative Resource For The 21ST Century*, Elsevier.
- Gusti, P. K., Farid, M., Swistoro, E., dan Koto, L., 2019, Identifikasi Respon Tanah 41 terhadap Gelombang Gempa Bumi di Curup dan Implementasi Pembelajaran Fisika, *PENDIPA J. Sci. Educ.*, Vol. 3, No. 1, Hal. 45-53.
- Habibah, U., 2016, Karakteristik Mikrotremor Berdasarkan Analisis Spektrum, TFA (Time Frequency Analysis) Dan Analisis Seismisitas Pada Kawasan Jalur Sesar Opak, *Skripsi*, Universitas Negeri Yogyakarta.
- Haerudin, N., Alami, F. dan Rustadi., 2019, *Mikroseismik, Mikrotremor Microearthquake dan dalam ilmu kebumih*, Pusaka Media.
- Henley, R. W., dan Ellis, A. J., 1983, Geothermal systems ancient and modern: A geochemical review, *Earth-Science Reviews*, Vol. 19, No. 1, Hal. 1–50. [https://doi.org/10.1016/0012-8252\(83\)90075-2](https://doi.org/10.1016/0012-8252(83)90075-2)
- Herak, M., 2008, ModelHVSr-A Matlab Tool to Model Horizontal to Vertical Spectral Ratio of Ambient Noise, *Comput. Geosci*, Vol. 34, No. 11, Hal. 1514–1526.

- Hinze, W.J., Von Frese, R.R.B. dan Saad, A.H., 2013, Gravity and Magnetic Exploration Principles, Practices, and Applications, *Cambridge University Press*, New York, 515.
- Hirt, C., Claessens, S., Fecher, T., Kuhn, M., Pail, R. dan Rexer, M., 2013, New ultrahighresolution picture of Earth's gravity field: new picture of Earth's gravity field, *Geophysical Research Letters*, Vol. 16, No. 40, Hal. 4279–4283.
- Hirt, C., Yang, M., Kuhn, M., Bucha, B., Kurzmann, A. dan Pail, R., 2019, SRTM2gravity: an ultrahigh resolution global model of gravimetric terrain corrections, *Geophysical Research Letters*, Vol. 9, No. 46, Hal. 4618–4627.
- Hochstein, M. P., dan Browne, P. R. L., 2000, *Surface manifestations of geothermal systems with volcanic heat sources*, Encyclopedia of Volcanoes, Hal. 835–855.
- Hochstein, M. P., dan Sudarman, S., 2008, History of geothermal exploration in Indonesia from 1970 to 2000, *Geothermics*, Vol. 37, No. 3, Hal. 220-266.
- Hurukawa, N., Wulandari, B. R., Kasahara, M., 2014, Earthquake history of the Sumatran fault, Indonesia, since 1892, derived from relocation of large earthquakes, *Bull Seismol Soc Am*, Vol. 104, Hal. 1750–1762.
- Husein, S., Pramumijoyo, S., Karnawati, D., 2010, Pemetaan Zonasi Mikro Kerentanan Gempabumi Propinsi D.I. Yogyakarta, Simp. Geologi Yogyakarta - 23 Maret 2010.
- Ingebritsen, S. E., dan Manning, C. E., 1999, Geological implications of a permeability–depth curve for the continental crust, *Geology*, Vol. 27, No. 12, Hal. 1107–1110.
- Jiang, C., Yahong, D., Huangdong, M., You, X., dan Ge, D., 2022, Microtremor Study to Reveal the Dynamic Response of Earth Fissure Site: the Case Study in Fenwei Basins, China, *Environ. Earth Sci.*, Vol. 81, No. 3, Hal. 80.
- Juwita, W., 2022, Aplikasi Metode Gravity (Gaya Berat) Untuk Identifikasi Potensi Hidrokarbon di Cekungan Bengkulu, *Skripsi Sarjana*, Universitas Jambi.
- Kanai, K., 1966, Improved Empirical Formula for the Characteristic of Strong Earthquake Motions, *Pro. Japan Earthq*, Tokyo.
- Karnedah, B., Erni, E., dan Poerwono, P., 2020, Analisis Peak Ground Acceleration di Wilayah Rejang Lebong dan Lubuk Linggau Menggunakan

Metode Probabilistic Seismic Hazard Analysis, *Skripsi Sarjana*, Sriwijaya University.

Konno, K., Omachi, T., 1998, Ground Motion Characteristics Estimated from Spectral Ratio between Horizontal and Vertical Components of Microtremor, *Bulletin of the Seismological Society of America*, Vol.88, No.1, Hal. 228-241.

Li, Y., dan Oldenburg, D. W., 1998, *3-D inversion of gravity data: Geophysics*.

Li, Y., dan Yang, Y., 2011, Gravity data inversion for the lithospheric density structure beneath North China Craton from EGM 2008 model. *Physics of the Earth and Planetary Interiors*, Vol. 189, No.1–2, Hal. 9–26.

Mallick, K., Vasanthi, A., Sharma, K.K., 2012. Bouguer Gravity Regional and Residual Separation: Application to Geology and Environment. Springer Netherlands. <https://doi.org/10.1007/978-94-007-0406-0>.

Marjiyono, 2010. Estimasi Karakteristik Dinamika Tanah dari Data Mikrotremor. Tesis. Program Studi Geofisika Terapan, ITB Bandung.

Mary, H. D., dan Mario, F., 2004, *Geothermal Energy: Utilization and Technology*, Earthscan.

Mirzaoglu, K., dan Dýkmen, Ü., 2003, Application of Microtremors to Seismic Microzoning Procedure, *Journal of the Balkan Geophysical Society*, Vol. 6, No. 3, Hal.143-156.

Muhammad, Y., Faisal, A., Yenny, A., Muzakir, Z., Abubakar, M., dan Nazli, I., 2020, Continuity of great sumatran fault in the marine area revealed by 3D inversion of gravity data. *Jurnal Teknologi*, Vol. 83, No. 1, Hal. 145–155.

Nakamura, Y., 1989, A Method for Dynamic Characteristics Estimation of Subsurface Using Microtremor on the Ground Surface, *Quarterly Report Railway Technical Research Institute*, Tokyo, Vol. 30, Hal. 25-33.

Nakamura, Y., 1997, Seismic Vulnerability Indices for Ground and Structures Using Microtremor, *World Congress on Railway Research*, Florence, Italy, Hal. 1-7.

Nakamura, Y., 2000, Clear Identification of Fundamental Idea of Nakamura's Technique and Its Applications, *The 12th World Conference on Earthquake Engineering*, Auckland, New Zealand.

- Natawidjaja, D. H., 2003, *Neotectonics of the Sumatran Fault and Paleogeodesy of the Sumatran Subduction Zone*, California Institute of Technology.
- Natawidjaja, D. H., 2007, *Gempa Bumi dan Tsunami di Sumatera dan Upaya Untuk Mengembangkan Lingkungan Hidup Yang Aman Dari Bencana Alam*, Laporan KHL, LIPI, Jakarta.
- Nicholson, K., 1993, *Geothermal Fluids: Chemistry and Exploration Techniques*. Skotlandia: Springer-Verlag.
- Njinju, E. A., Atekwana, E. A., Stamps, D. S., Abdelsalam, M. G., Atekwana, E. A., Mickus, K. L., Fishwick, S., Kolawole, F., Rajaonarison, T. A., & Nyalugwe, V. N., 2019, Lithospheric structure of the Malawi Rift: Implications for magma- poor rifting processes. *Tectonics*, Vol. 38, No. 11, Hal. 3835–3853.
- Njiteu Tchoukeu, C.D., Basseka, C.A., Djomani, Y.P., Rousse, S., Etame, J., Llubes, M., Seoane, L., Som Mbang, C. dan Eyike Yomba, A., 2021, Crustal thickness, depth to the bottom of magnetic sources and thermal structure of the crust from Cameroon to Central African Republic: preliminary results for a better understanding of the origin of the Bangui Magnetic Anomaly, *J. Afr. Earth Sci*, Vol. 179.
- Nurhandoko, H., Widarto, D. S., dan Fatimah, I., 2020, Pemanfaatan mikrotremor untuk eksplorasi panas bumi menggunakan metode HVSR dan Ground Shear Strain, *Jurnal Geosains dan Teknologi*, No. 4, Vol. 2, Hal. 56–64.
- Pandu, J., Bahri, A.S., dan Wahyudi., 2012, Analisa Mikrotremor HVSR untuk Memetakan Potensi Likuifaksi Di Daerah Pesisir Kec. Pacitan, *J. Fis. Dan Apl.*
- Parasnis, D.S., 2012, *Principles of Applied Geophysics*, Springer Netherlands.
- Pirttijarvi, M., 2008, Gravity interpretation and modeling software based on 3-D block models, *User's Guide to Version*, No. 1.
- Putri, P. K., Marzuki., Pohan, A. F., 2024, Pemodelan Struktur Bawah Permukaan Kabupaten Rejang Lebong dengan Metode Inversi 3D Data Gravitasi Satelit Menggunakan Koreksi SRTM2gravity, *Jurnal Fisika Unand*, Vol. 13, No. 6, Hal. 799-805.
- Ravat, D., Pignatelli, A., Nicolosi, I., Chiappini, M., 2007, Sebuah studi tentang metode spektral memperkirakan kedalaman dasar sumber magnet dari data anomali magnet dekat permukaan. *Geofisika*. Vol. 169, No. 2, Hal. 421–434.

- Richard, H.S., 2010, Porphyry copper systems, *Economic Geology*, No.105, Vol.1, Hal. 3–41.
- Saylor, J. E., dan Horton, B. K., 2014, Nonuniform surface uplift of the Andean plateau revealed by deuterium isotopes in Miocene volcanic glass from southern Peru, *Earth and Planetary Science Letters*, Vol. 387, Hal. 120–131.
- Seed, H.B., Idriss, I.M., dan Arango, I., 1983, Evaluation of Liquefaction Potential Using Field Performance Data. *Journal of Geotechnical Engineering*, Vol. 109, Hal.458-482, [https://doi.org/10.1061/\(ASCE\)0733-9410\(1983\)109:3\(458\)](https://doi.org/10.1061/(ASCE)0733-9410(1983)109:3(458)).
- Seht, I.V., dan Wohlenberg, J., 1999, Microtremor Measurements Used to Map Thickness of Soft Sediment. *Bulletin of the Seismological Society of America*, Vol. 89, Hal. 250-259, <https://doi.org/10.1785/BSSA0890010250>.
- SESAME, 2004, Guidelines for the Implementation of the H/V Spectral Ratio Technique on Ambient Vibrations: Measurements, Processing and Interpretation, *SESAME European Research Project WP12*, Hal. 1-62.
- Setiawati, Y., 2017, Analisis GSS (Ground Shear Strain) dengan Metode HVSR Menggunakan Data Mikroseismik Pada Jalur Sesar Opak, *Jurnal Fisika*, Vol. 6, No. 2, Hal. 132-137.
- Sibson, R. H., 1996, Fault-valve behavior and the hydrothermal mineralization, *Earth-Science Reviews*, Vol. 36, No. 1–2, Hal. 141–189. [https://doi.org/10.1016/0012-8252\(96\)00019-4](https://doi.org/10.1016/0012-8252(96)00019-4)
- Siburian, B. I., Marzuki., dan Lubis, A. M., 2024, Local site effects and seismic microzonation around Suban Area, Curup Rejang Lebong, Bengkulu deduced by ambient noise measurements, *Geoenvironmental Disasters*, Vol. 11, No. 5.
- Sieh, K., dan Natawidjaja, D., 2000, Neotectonics of the Sumatran fault, Indonesia, *J Geophys Res Solid Earth*, Vol. 105, Hal. 28295–28326.
- Sihombing, R. B., 2017, Pemodelan dan Analisa Struktur Bawah Permukaan Daerah Prospek Panasbumi Kepahiang Berdasarkan Metode Gaya Berat, *Jurnal Geofisika Ekpplorasi*, Vol. 4, No. 2.
- Silvennoinen, H., dan Kozlovskaya, E., 2007, 3D structure and physical properties of the Kuhmo Greenstone Belt (eastern Finland): Constraints from gravity modelling and seismic data and implications for the tectonic setting, *Journal of Geodynamics*, Vol. 43, No. 3, Hal. 358–373.

- Snieder, R., dan Trampert, J., 1999, Inverse problems in geophysics, *Springer*, Hal. 119–190.
- Soehaimi, A., Marjiono, M., dan Kamawan, K., 2010, Mikrozonasi Kerentanan Bahaya Guncangan Gempa Bumi Kota Pekalongan Berdasarkan Analisis Mikrotremor, *Jurnal Sumber Daya Geologi*, Vol. 20, No. 5, Hal. 277-290.
- Sudrajat, A., dan Hartono, U., 2016, Karakteristik Geologi Gunung Kaba Berdasarkan Analisis Citra Satelit dan Data Vulkanologi, *Jurnal Geosains Indonesia*, Vol. 5, No. 2, Hal. 101–110.
- Sugianto, A., dan Mochamad, N.H., 2011, *Survei Terpadu Daerah Panasbumi Kepahiang Kabupaten Kepahiang, Bengkulu*, Pusat Sumber Daya Geologi, Bengkulu.
- Supartoyo, 2007, Kegempaan di Wilayah Bengkulu, Vol. 2, No. 3, Hal. 24-33.
- Sutrisno, W, T., Sentosa, B, J., dan Warnana, D, D., 2013, Profiling Kecepatan Gelombang Geser (Vs) Menggunakan Inversi Spektrum Horizontal to Spectral Ratio (HSVR), *Tek. Pomits*, Vol. 1, No. 1, Hal. 1–6.
- Talumepa, J, R., Manoppo, F, J., dan Manaroinsong, L, D, K., 2019, Respon Spektra pada Jembatan Ir. Soekarno Manado, *Jurnal Sipil Statik*, Vol. 7, No. 7, Hal. 777-786.
- Tanjung, N. A. F., Yuniarto, H. P., dan Widyawarman, D., 2019, Analisis Amplifikasi Dan Indeks Kerentanan Seismik Di Kawasan FMIPA UGM Menggunakan Metode HVSr, *Jurnal Geosaintek*, Vol. 5, No. 2, Hal. 61–68.
- Telford, W.M., Geldart, L.P. dan Sheriff, R.E., 1990, *Applied Geophysics*, Cambridge University Press, New York.
- Vallon, V., Richter, K., Blantz, R.C., Thomson, S., dan Osswald, H., 1999, Glomerular Hyperfiltration in Experimental Diabetes Mellitus: Potential Role of Tubular Reabsorption, *Journal of the American Society of Nephrology*, 10, Hal. 2569-2576.
- Wangsadinata, W., 2006, *Perencanaan Bangunan Tahan Gempa Berdasarkan SNI 1726-2002*, Shortcourse HAKI, Jakarta.
- William, C., 2009, *Geothermal resource conceptual models using surface exploration data*. Proceedings of the 34th Workshop on Geothermal Reservoir Engineering, Stanford University, Stanford, California, February 9–11, 2009.

- Zhao, J. X., Irikura, K., Zhang, J., Fukushima, Y., Somerville, P. G., Asano, A., Saiki, T., Okada, H., dan Takahashi, T., 2004, Site Classification for Strong-motion Stations in Japan Using H/V Response Spectral Ratio, *13th World Conference on Earthquake Engineering*, No. 1278.
- Zikri, A. M. M., Mayasari, E. D., dan Hastuti, E. W. D., 2019, Karakteristik Batuan Vulkanik Berdasarkan Analisis Petrografi Daerah Tangkit Serdang, Tanggamus, Lampung, *Proceddings Seminar Nasional AVoER XI*, Universitas Sriwijaya.

