

DAFTAR PUSTAKA

- Al Kausar, A., Indarto, S., dan Setiawan, I. (2018). Rock geochemistry related to mineralization processes in geothermal areas. *IOP Conference Series: Earth and Environmental Science*, 118(1). <https://doi.org/10.1088/1755-1315/118/1/012071>
- Ali, S., Hosseini, A., Doulati Ardejani, F., Tabatabaie, S. H., dan Hezarkhani, A. (2013). Edge Detection in Gravity Field of the Gheshm Sedimentary Basin. *Int J Min & Geo-Eng (IJMGE)*, 47(1), 41–50.
- Anas, A. S., dan Rizal, A. (2019). Deteksi Tepi Dalam Pengolahan Citra Digital. *Seminar Nasional TIK dan Ilmu Sosial (SocioTech)*, 2(x), 1–6.
- Badan Standarisasi Nasional. (2011). Pedoman Pelaporan, Sumberdaya, dan Cadangan Mineral. *Amandemen 1-SNI-13-4726-2011.*, 32.
- Baldwin, S. L., Fitzgerald, P. G., dan Webb, L. E. (2012). Tectonics of the new Guinea region. *Annual Review of Earth and Planetary Sciences*, 40, 495–520. <https://doi.org/10.1146/annurev-earth-040809-152540>
- BLAKELY, R. J. (1996). *Potential Theory in Gravity and Magnetic*.
- Bonvalot, S., Balmino, G., Briais, A., Kuhn, M., Peyrefitte, A., Vales, N., Biancale, R., Gabalda, G., Moreaux, G., Reinquin, F., dan Sarrailh, M. (2012). World Gravity Map-WGM2012. *Bureau Gravimetricque International (BGI), map, CGMW-BGI-CNES-IRD Ed., Paris, 1*, 8.
- Cahyani, N. M. S., Zacky, R. A., Aditya, A., Roslinda, R., dan Rindawati, P. I. (2024). Analisis Struktur Kawasan Bukit Berambai Dengan Metode Fault Fracture Density, Daerah Berambai, Sempaja Utara, Kec. Samarinda Utara, Kalimantan Timur. *JURNAL TEKNIK GEOLOGI : Jurnal Ilmu Pengetahuan dan Teknologi*, 7(1), 34. <https://doi.org/10.30872/jtgeo.v7i1.18224>
- Carrillo-de la Cruz, J. L., Prol-Ledesma, R. M., Velázquez-Sánchez, P., dan Gómez-Rodríguez, D. (2020). MAGCPD: a MATLAB-based GUI to calculate the Curie point-depth involving the spectral analysis of aeromagnetic data. *Earth Science Informatics*, 13(4), 1539–1550. <https://doi.org/10.1007/s12145-020-00525-x>
- Cooper, G. R. J., dan Cowan, D. R. (2006). Enhancing potential field data using filters based on the local phase. *Computers & Geosciences*, 32(10), 1585–1591. <https://doi.org/10.1016/J.CAGEO.2006.02.016>
- Davies, H. L. (2012). The geology of New Guinea -the cordilleran margin of the Australian continent. *Episodes*, 35(1), 87–102. <https://doi.org/10.18814/epiiugs/2012/v35i1/008>
- DiPietro, J. A. (2013). Keys to the Interpretation of Geological History. *Landscape Evolution in the United States*, 327–344. <https://doi.org/10.1016/B978-0-12->

397799-1.00020-8

- Duhri, N. I., Tiwow, V. A., dan Ihsan, N. (2019). Identifikasi Material Bawah Permukaan Kecamatan Bontocani Kabupaten Bone Menggunakan Metode Geomagnet. *Jurnal Sains dan Pendidikan Fisika*, 15(2), 76–83. <https://doi.org/10.35580/jspf.v15i2.11039>
- Ejiga, E. G., Yusoff, I., Ismail, N. E. H., dan Kumar, R. (2022). Geothermal energy assessment through the Curie point depth, geothermal gradient, and heat flow around the Akiri hot spring region in Central Nigeria. *Environmental Earth Sciences*, 81(4), 1–18. <https://doi.org/10.1007/s12665-022-10236-9>
- Faridiarti, Y. F. (2017). Relokasi hiposenter dan estimasi struktur model kecepatan 1-D gelombang P di Papua menggunakan velest 3.3. *Inovasi Fisika Indonesia*, 6(3), 133–139.
- Fatimah, dan Verdiansyah, O. (2018). Pemodelan Bawah Permukaan pada Gunung Wungkal Godean, Sleman, Yogyakarta Menggunakan Geomagnetik. *Prosiding Nasional Rekayasa Teknologi Industri dan Informasi XIII Tahun 2018 (ReTII)*, 2018(November), 215–222.
- Fleischer, M., dan Parker, R. L. (1967). Data of Geochemistry: Composition of the Earth's Crust. *U. S. Geological Survey Professional Paper 440-D*, 440(440-D), 12.
- Ghosh, G. K., dan Dasgupta, R. (2013). Edge detection and depth estimation using 3D Euler deconvolution, Tilt angle derivative and TDX derivative using magnetic data of thrust fold belt area of Mizoram. *Society of Petroleum Geophysicists, India*, 7. http://www.spgindia.org/10_biennial_form/P070.pdf
- Gold, D. P., Burgess, P. M., dan BouDagher-Fadel, M. K. (2017). Carbonate drowning successions of the Bird's Head, Indonesia. *Facies*, 63(4), 1–22. <https://doi.org/10.1007/s10347-017-0506-z>
- Grad, M., Tiira, T., Behm, M., Belinsky, A. A., Booth, D. C., Brückl, E., Cassinis, R., Chadwick, R. A., Czuba, W., Egorkin, A. V., England, R. W., Erinchek, Y. M., Fougler, G. R., Gaczyński, E., Gosar, A., Guterch, A., Hegedüs, E., Hrubcová, P., Janik, T., ... Zolotov, E. E. (2009). The Moho depth map of the European Plate. *Geophysical Journal International*, 176(1), 279–292. <https://doi.org/10.1111/j.1365-246X.2008.03919.x>
- Handyarso, A., dan Kadir, W. G. A. (2017). Gravity data decomposition based on spectral analysis and halo wavelet transform, case study at bird's head Peninsula, west papua. *Journal of Engineering and Technological Sciences*, 49(4), 423–437. <https://doi.org/10.5614/j.eng.technol.sci.2017.49.4.1>
- Harrison, D. (1991). *The Gravity Field of the Papuan Fold Belt and its Geological Implications*. July.
- Hinze, W. J., Von Frese, R. R. B., dan Saad, A. H. (2010). Gravity and magnetic exploration: Principles, practices, and applications. In *Gravity and Magnetic*

Exploration: Principles, Practices, and Applications.
<https://doi.org/10.1017/CBO9780511843129>

- Kartikasari, S. N., Marshall, A. J., dan Beehler, B. (2012). Ekologi Papua, Seri Ekologi Indonesia, Jilid VI. In *Yayasan Pustaka Obor Indonesia and Conservation International*.
- Kumar, R., Bansal, A. R., Betts, P. G., dan Ravat, D. (2021). Re-assessment of the depth to the base of magnetic sources (DBMS) in Australia from aeromagnetic data using the defractal method. *Geophysical Journal International*, 225(1), 530–547. <https://doi.org/10.1093/gji/ggaa601>
- Laske, G., Masters, G., Ma, Z., Pasyanos, M., dan Livermore, L. (2013). EGU2013-2658 Update on CRUST1.0: A 1-degree Global Model of Earth's Crust. *Geophysical Research Abstracts*, 15, Abstract EGU2013–2658. <https://igppweb.ucsd.edu/~gabi/crust1/laske-egu13-crust1.pdf>
- Lewerissa, R., Sismanto, dan Laponi, L. A. S. (2023). Identification of sediment–basement structure in West Papua province, Indonesia, using gravity and magnetic data inversion as an Earth's crust stress indicator. *Acta Geophysica*, 71(1), 209–226. <https://doi.org/10.1007/s11600-022-00913-5>
- Li, L. L., Han, L. G., dan Huang, D. N. (2014). Normalized edge detection, and the horizontal extent and depth of geophysical anomalies. *Applied Geophysics*, 11(2), 149–157. <https://doi.org/10.1007/s11770-014-0436-2>
- Lowrie, W. (2007). Fundamentals Of Geophysics, Second Edition. In *Cambridge University Press*.
- Maslihah Umamii, A., Yulianto, T., dan Dadan Dani Wardhana, D. (2017). Aplikasi metode magnetik untuk identifikasi sebaran bijih besi di Kabupaten Solok Sumatera Barat. *Youngster Physics Journal*, 6(4), 296–303.
- Maus, S., Barckhausen, U., Berkenbosch, H., Bournas, N., Brozena, J., Childers, V., Dostaler, F., Fairhead, J. D., Finn, C., Von Frese, R. R. B., Gaina, C., Golynsky, S., Kucks, R., Lühr, H., Milligan, P., Mogren, S., Müller, R. D., Olesen, O., Pilkington, M., ... Tontini, F. C. (2009). EMAG2: A 2-arc min resolution Earth Magnetic Anomaly Grid compiled from satellite, airborne, and marine magnetic measurements. *Geochemistry, Geophysics, Geosystems*, 10(8). <https://doi.org/10.1029/2009GC002471>
- Meissner, R., dan Mooney, W. (1998). Weakness of the lower continental crust: a condition for delamination, uplift, and escape. *Tectonophysics*, 296(1–2), 47–60. [https://doi.org/10.1016/S0040-1951\(98\)00136-X](https://doi.org/10.1016/S0040-1951(98)00136-X)
- Meyer, B., Chulliat, A., dan Saltus, R. (2017). Derivation and Error Analysis of the Earth Magnetic Anomaly Grid at 2 arc min Resolution Version 3 (EMAG2v3). *Geochemistry, Geophysics, Geosystems*, 18(12), 4522–4537. <https://doi.org/10.1002/2017GC007280>
- Misquita, N. A., Safani, J., dan Rubaiyn, A. (2024). Identifikasi Konfigurasi

- Struktur Geologi Bawah Permukaan Berdasarkan Data Anomali Medan Gravitasi dengan Teknik Deteksi Tepi dan Dekonvolusi Euler di Daerah Panas Bumi Lainya. *Jurnal Rekayasa Geofisika Indonesia*, 6(01), 29–36. <https://doi.org/10.56099/jrgi.v6i01.61>
- Naufal, M. Z., Rochman, J. P. G. N., Triahadini, A., Achsan, F. M., Dewi, M. K., Dwiska, C. A., dan Asyari, M. E. (2024). A Study of Lineament Density and Correlation Residual Gravity Anomalies to Identify Pacul Fault in Mount Pandan, East Java. *IOP Conference Series: Earth and Environmental Science*, 1418(1). <https://doi.org/10.1088/1755-1315/1418/1/012064>
- Nugraha, Purwaditya; Supriyadi; Yulianti, I. (2016). Pendugaan Struktur Bawah Permukaan Kota Semarang Berdasarkan Data Anomali Gravitasi Citra Satelit. *Unnes Physics Journal*, 5(2), 37–41.
- Okubo, Y., Graft, R. J., Hansen, R. O., Ogawa, K., dan Tsu, H. (1985). *surrounding areas*, Japan. 53(3), 481–494.
- Oruç, B. (2011). Edge detection and depth estimation using a tilt angle map from gravity gradient data of the Kozaklı-central Anatolia region, Turkey. *Pure and Applied Geophysics*, 168(10), 1769–1780. <https://doi.org/10.1007/s00024-010-0211-0>
- Osagie, A. U., Eshanibli, A., dan Adepelumi, A. A. (2021). Structural trends and basement depths across Nigeria from analysis of aeromagnetic data. *Journal of African Earth Sciences*, 178, 104184. <https://doi.org/10.1016/J.JAFREARSCI.2021.104184>
- Purnomo, J., Koesuma, S., dan Yunianto, M. (2016). Pemisahan Anomali Regional-Residual pada Metode Gravitasi Menggunakan Metode Moving Average, Polynomial dan Inversion. *Indonesian Journal of Applied Physics*, 3(01), 10. <https://doi.org/10.13057/ijap.v3i01.1208>
- Quintero, W., Campos-Enríquez, O., dan Hernández, O. (2019). Curie point depth, thermal gradient, and heat flow in the Colombian Caribbean (northwestern South America). *Geothermal Energy*, 7(1). <https://doi.org/10.1186/s40517-019-0132-9>
- Ross, H. E., Blakely, R. J., dan Zoback, M. D. (2006). Testing the use of aeromagnetic data for the determination of Curie depth in California. *Geophysics*, 71(5). <https://doi.org/10.1190/1.2335572>
- Saada, S. A. (2016). Edge detection and depth estimation of Galala El Bahariya Plateau, Eastern Desert-Egypt, from aeromagnetic data. *Geomechanics and Geophysics for Geo-Energy and Geo-Resources*, 2(1), 25–41. <https://doi.org/10.1007/s40948-015-0019-6>
- Salem, A., Green, C., Ravat, D., Singh, K. H., East, P., Fairhead, J. D., Mogren, S., dan Biegert, E. (2014). Depth to Curie temperature across the central Red Sea from magnetic data using the de-fractal method. *Tectonophysics*, 624–625,

75–86. <https://doi.org/10.1016/J.TECTO.2014.04.027>

- Santosa, B. J., Mashuri, M., Sutrisno, W. T., Wafi, A., Salim, R., dan Armi, R. (2012). Interpretasi Metode Magnetik Untuk Penentuan Struktur Bawah Permukaan Di Sekitar Gunung Kelud Kabupaten Kediri. *Jurnal Penelitian Fisika dan Aplikasinya (JPFA)*, 2(1), 7. <https://doi.org/10.26740/jpfa.v2n1.p7-14>
- Setiadi I., dan Marjiyono. (2018). Interpretasi Geologi Bawah Permukaan dan Delineasi Cekungan Salawati Wilayah Sorong dan Sekitarnya Berdasarkan Analisis Spektral Serta Pemodelan 2D dan 3D Data Gayaberat. *Geologi dan Sumberdaya Mineral*, 19(3), 117–130. <http://dx.doi.org/10.33332/jgsm.geologi.19.3.117-130>
- Setiadi, I., Nainggolan, T. B., dan Albab, A. (2020). Interpretasi Geologi Cekungan Berau - Papua Dan Sekitarnya, Berdasarkan Analisis Data Gayaberat. *Jurnal Geologi Kelautan*, 18(2), 125–138. <https://doi.org/10.32693/jgk.18.2.2020.671>
- Siahaan, M., B., U. B. (2009). *Penentuan Struktur Pada Zona Hidrokarbon*. 65.
- Solano-Acosta, J. D., Soesoo, A., dan Hints, R. (2023). New insights of the crustal structure across Estonia using satellite potential fields derived from WGM-2012 gravity data and EMAG2v3 magnetic data. *Tectonophysics*, 846(April 2022). <https://doi.org/10.1016/j.tecto.2022.229656>
- Sudrajad, B. (2022). Pemodelan Inversi Tiga Dimensi (3D) Struktur Bawah Permukaan Kelompok Batuan Ofiolit Di Distrik Uwapa, Kabupaten Nabire, Papua, Sebagai Referensi Potensi Sumberdaya Mineral Berdasarkan Data Anomali Gravitasi Ggmplus. *Prosiding Seminar Nasional MIPA UNIPA, July*, 109–116. <https://doi.org/10.30862/psnmu.v7i1.16>
- Tanaka, A., Okubo, Y., dan Matsubayashi, O. (1999). Curie point depth based on spectrum analysis of the magnetic anomaly data in East and Southeast Asia. *Tectonophysics*, 306(3–4), 461–470. [https://doi.org/10.1016/S0040-1951\(99\)00072-4](https://doi.org/10.1016/S0040-1951(99)00072-4)
- Telford, W. M., Geldart, L. P., dan Sheriff, R. E. (1990). Applied geophysics. 2nd edition. In *Applied geophysics. 2nd edition*.
- Turcotte, D., dan Schubert, G. (2014). *Geodynamics, 3rd edition* (Vol. 40, Nomor 6). [http://doi.wiley.com/10.1002/1521-3773\(20010316\)40:6%3C9823::AID-ANIE9823%3E3.3.CO;2-C](http://doi.wiley.com/10.1002/1521-3773(20010316)40:6%3C9823::AID-ANIE9823%3E3.3.CO;2-C)
- Wever, T. (1989). The conrad discontinuity and the top of the reflective lower crust—do they coincide? *Tectonophysics*, 157(1–3), 39–58. [https://doi.org/10.1016/0040-1951\(89\)90339-9](https://doi.org/10.1016/0040-1951(89)90339-9)
- Xiong, S., Yang, H., Ding, Y., Li, Z., dan Li, W. (2016). Distribution of igneous rocks in China revealed by aeromagnetic data. *Journal of Asian Earth Sciences*, 129, 231–242. <https://doi.org/10.1016/j.jseaes.2016.08.016>

- Y. A, S. (2014). Analysis of Surface and Magnetic Lineaments in and Around Wase Area of Northern Nigeria. *IOSR Journal of Applied Geology and Geophysics*, 5(1), 52–62. <https://doi.org/10.9790/0990-0501025262>
- Yonas, M. N. (2016). Geologi dan Potensi Batubara di Daerah Bonggo dan Sekitarnya Kabupaten Jayapura , Propinsi Papua. *Promine Journal*, 4(1), 1–2.
- Zaenudin, A., dan Yulistina, S. (2020). Studi Identifikasi Struktur Geologi Bawah Permukaan Untuk Mengetahui Sistem Sesar Berdasarkan Analisis First Horizontal Derivative (FHD), Second Vertical Derivative (SVD), Dan 2,5D Forward Modeling Di Daerah Manokwari Papua Barat. *JGE (Jurnal Geofisika Eksplorasi)*, 4(2), 173–186. <https://doi.org/10.23960/jge.v4i2.15>

