

## DAFTAR PUSTAKA

- Alamdar, K., Ansari, A.H. & Ghorbani, A., "Application of derivative-based filters to enhance potential field features", EGU General Assembly, Vol. 11 (2009), EGU2009-4071-1.
- Baranov, V., 1957, A New Method for Interpretation of Aeromagnetic Maps: Pseudogravimetric Anomalies, *Geophysics* (22), 359 - 383
- Baranov dan Naudy, H., 1964, Numerical Calculation of the Formula of Reduction to Magnetic Pole, *Geophysics* (53), 359 - 1600
- Blakely, J, 1996, *Potential Theory in Gravity and Magnetic Applications*, Cambridge: Cambridge University Press
- Blakely, J. dan Simpson, W., 1986, Approximating Edge of Source Bodies from Magnetic or Gravity Anomalies, *Geophysics* (51), 1.494 - 1.498
- Cahyaningsih, C. (2017). Hydrology Analysis and Rainwater Harvesting Effectiveness as an Alternative to Face Water Crisis in Bantan Tua Village Bengkalis District-Riau. *Journal of Dynamics*, 1(1).
- Choanji, T. (2016a). Indikasi Struktur Patahan Berdasarkan Data Citra Satelit dan Digital Elevation Model (DEM) di Sungai Siak, Daerah Tualang dan Sekitarnya Sebagai Pertimbangan Pengembangan Pembangunan Wilayah. *Jurnal Saintis*, 16(2), 22–31.
- Choanji, T. (2016b). Slope Analysis Based On SRTM Digital Elevation Model Data: Study Case On Rokan IV Koto Area And Surrounding. *Journal of Dynamics*, 1(2).
- Choanji, T., & Indrajati, R. (2016). Analysis of Structural Geology based on Sattelite Image and Geological Mapping on Binuang Area, Tapin Region, South Kalimantan. In *GEOSEA XIV AND 45TH IAGI ANNUAL CONVENTION 2016 (GIC 2016)* (Vol. 45).
- Choanji, T., Rita, N., Yuskar, Y., & Pradana, A. (2018). CONNECTIVITY RELATIONSHIP OF FLUID FLOW ON DEFORMATION BAND: ANALOG STUDY AT PETANI FORMATION, RIAU, INDONESIA. *Bulletin of Scientific Contribution: GEOLOGY*, 15(3), 193–198.

- Fatriadi, R., Asteriani, F., & Cahyaningsih, C. (2017). Effectiveness of the National Program for Community Empowerment (PNPM) for Infrastructure Development Accelerated and Geoplology in District of Marpoyan Damai, Pekanbaru. *Journal of Geoscience, Engineering, Environment, and Technology*, 2(1), 53-63.
- Grant, F dan West, G., 1965, *Gravity and Magnetic Mthods*, Toronto: University of Toronto
- Hadian, M.S.D., Waliana, T.Y., Sulaksana, N., Putra, D.B.E. and Yuskar, Y. 2017. Hydrochemistry and Characteristics of Groundwater: Case Study Water Contamination at Citarum River Upstream, *Journal of Geoscience Engineering Environmental and Technology*. 2(4), pp. 268-271
- Handaru, A., 2016, *Desain, Implementasi, dan Analisis Karakteristik Sensor pada Alat Perekam Medan Magnetik Berbasis Fluxgate Magnetic Sensor FGM3D/100*, Skripsi, Fakultas Matematika dan Ilmu Pengetahuan Alam, Universitas Gadjah Mada Yogyakarta
- Hinze, JW., Von Freese, R., Saad, A., 2013, *Gravity and Magnetic Exploration*, Cambridge: Cambridge University Press
- Ian. N. M, Jones. K, Ting. F. D, *3-D Analytic Signal in the Interpretation of Total Magnetic Field Data at Low Magnetic Latitudes*, (Geosoft Inc, Canada, 1999).
- Jannah, M., Suryadi, A., Zafir, M., Saputra, R., Hakim, I., Ariyuswanto, R., & Yusti, U. (2017). Geological Structure Analysis to Determine the Direction of the Main Stress at Western Part of Kolok Mudik, Barangin District, Sawahlunto, West Sumatera. *Journal of Geoscience, Engineering, Environment, and Technology*, 2(1), 46-52.
- Kausarian, H., Batara, B. and Putra, D.B>E. 2018. The Phenomena of Flood Caused by the Seawater Tidal and its Solution for the Rapid-growth City: A case study in Dumai City, Riau Province, Indonesia, *Journal of Geoscience Engineering Environmental and Technology*. 3(1), pp. 39-46.
- Kausarian, H., Sumantyo, J.T.S., Kuze, H. and Putra, D.B.E. 2015. Mapping of the oldest layer exposure at the top layer of Riau Bedrock using ALOS PALSAR Mosaic 25m Resolution Data. *Proceedings of the 58th Spring*

- Conference of The Remote Sensing Society of Japan. Chiba, Japan. pp. 37-40.
- Kausarian, H., Sumantyo, J.T.S., Karya, D., Putra, D.B.E. and Kadir, E.A. 2016. Geological Mapping for the Land Deformation Using Small UAV, DinSAR Analysis and Field Observation at The Siak Bridge I and II, Pekanbaru City, Indonesia. Proceeding of The 7th Indonesia Japan Joint Scientific Symposium. Chiba, Japan. pp. 452-458.
- Lubis, M. Z., Anggraini, K., Kausarian, H., & Pujiyati, S. (2017). Marine Seismic And Side-Scan Sonar Investigations For Seabed Identification With Sonar System. *Journal of Geoscience, Engineering, Environment, and Technology*, 2(2), 166-170.
- Lubis, M. Z., Anurogo, W., Kausarian, H., Surya, G., & Choanji, T. (2017). Sea Surface Temperature and Wind Velocity in Batam Waters Its Relation to Indian Ocean Dipole (IOD). *Journal of Geoscience, Engineering, Environment, and Technology*, 2(4), 255-263.
- Lubis, M. Z., Kausarian, H., & Anurogo, W. (2017). Seabed Detection Using Application Of Image Side Scan Sonar Instrument (Acoustic Signal). *Journal of Geoscience, Engineering, Environment, and Technology*, 2(3), 230-234.
- Leu. L. K, "Magnetic exploration with reduction of magnetic data to the equator", United State Patent, Patent Number 4.570.122: 57-64 (1986).
- Li. X, "Understanding 3D analytic signal amplitude", *Geophysics*. Vol. 71 (2006).
- Nabighian. M.N, "The analytic signal of two-dimensional magnetic bodies with polygonal cross-section: Its properties and use for automated anomaly interpretation", *Geophysics*. 37, (1972) 507-517.
- Mairizki, F., & Cahyaningsih, C. (2016). Ground Water Quality Analysis in the Coastal of Bengkalis City Using Geochemistry Approach. *Journal of Dynamics*, 1(2).
- Prayitno, B. (2015). Fasies Pengendapan Limnic-Marsh Pada Kondisi Gambut Ombrotrophic- Oligotrophic Rengat Barat Cekungan Sumatra Tengah-Indonesia. *Jurnal Relevansi, Akurasi Dan Tepat Waktu (RAT)*, 4(1), 546-554.

- Prayitno, B. (2016). Limnic Condition In Rheotrophic Peat Type As the Origin of Petai Coal, Central Sumatra Basin, Indonesia. *Journal of Geoscience, Engineering, Environment, and Technology*, 1(1), 63-69.
- Prayitno, B., & Ningrum, N. S. (2017). Development of Funginite on Muaraenim and Lower Members of Telisa Formations at Central Sumatra Basin-Indonesia. *Journal of Geoscience, Engineering, Environment, and Technology*, 2(2), 149-154.
- Putra, D.B.E, Samsudin, A.R. and Choanji, T. 2016. Geophysical Modelling Using Gravity Data of Meteorite Impact Crater at Bukit Bunuh, Lenggong, Perak, Malaysia. *Proceeding of The 7th Indonesia Japan Joint Scientific Symposium*. Chiba, Japan. pp. 515-523.
- Putra, D.B.E., Yuskar, Y., Cahyaningsih, C. and Khairani, S. 2017. Rock Mass Classification System Using Rock Mass Rating (RMR) of A Cut Slope in Riau West Sumatra Road. *Proceeding of International Conference on Science Engineering and Technology Universitas Islam Riau, Pekanbaru, Indonesia*. pp. 106-111.
- Putra, D.B.E., Yuskar, Y. and Hadian, M.S.D. 2017. Hydrogeology Assessment Using Physical Parameter in Bengkalis Riau, *Proceedings of the 2nd Join Conference of Utsunomiya University and Universitas Padjadjaran, Utsunomiya, Japan*. pp. 274-279
- Parasnis. D.S, *Prinsip-Prinsip Geofizik Gunaan*, Terj. Abdul Rahim Samsudin & Idrus Shudud, (Kuala Lumpur, Maziza Sdn. Bhd 1991).
- Pratt. D. A. & Shi, Z, "An improved pseudo-gravity magnetic transform technique for investigation of deep magnetic source rocks", *ASEG 17th Geophysical Conference and Exhibition* (2004).
- Putra, D.B.E. & Choanji. T. 2016. Preliminary Analysis of Slope Stability in Kuok and Surrounding Area, *Journal of Geoscience Engineering Environmental and Technology*. 1(1), pp. 41-44.
- Putra, D.B.E. & Yuskar, Y. 2016. Pemetaan Airtanah Dangkal Dan Analisis Intrusi Air Laut, *Penelitian Terhadap Airtanah Dangkal di Desa Bantan Tua, Kecamatan Bantan, Kabupaten Bengkalis, Propinsi Riau*.

- Proceedings of Seminar Nasional Ke-3 Fakultas Teknik Geologi Universitas Padjadjaran. Bandung, Indonesia. pp. 1.11.
- Roest. W.E, Verhoef. J, Pilkington. M, “Magnetic interpretation using 3-D analytic signal”, *Geophysics*. 57 (1992), 116-125.
- Reeve, W., 2010, *Geomagnetism Tutorial*, USA: Reeve Observatory Anchorage Alaska
- Samsudin, A.R., Saidin, M., Harun, A.R., Ariffin, M.H., Hamzah, U., and Putra, D.B.E. 2013. Possible Structure of Impact Crater at Lenggung Perak: Gravity Evidences. *Proceedings of the National Geoscience Conference 2013*. Ipoh, Perak, Malaysia. p. 89, paper B15.
- Telford, W., Geldart, P., Shreff, E., dan Keys, A., 1990, *Applied Geophysics*, Cambridge: Cambridge University Press
- Wu, P.P.C. 2004. *Laboratory 4: Filtering and Euler Deconvolution of Magnetic Data*. Gravity and Magnetic: GOPH 547.
- Yuskar, Y. (2014). Interpretasi Fasies Pengendapan Formasi Tondo, Pulau Buton, Sulawesi Tenggara Berdasarkan Data Pemetaan Geologi dan Potensinya Sebagai Batuan Reservoir Minyak bumi. *Journal of Earth Energy Engineering*, 3(1), 31-40.
- Yuskar, Y. (2014). Struktur Geologi Dan Model Tektonostratigrafi Daerah Gonda Dan Sekitarnya Kecamatan Sorawolio, Kabupaten Buton Sulawesi Tenggara. *Jurnal Relevansi, Akurasi Dan Tepat Waktu (RAT)*, 3(2), 473-480.
- Yuskar, Y. (2016). Geo-tourism Potential of Sand Bars and Oxbow lake at Buluh Cina, Kampar–Riau, Indonesia. *Journal of Geoscience, Engineering, Environment, and Technology*, 1(1), 59-62.
- Yuskar, Y., & Choanji, T. (2016a). Sedimen Deposit of Floodplain Formation Resulting From Lateral Accretion Surfaces on Tropical Area: Study Case at Kampar River, Indonesia. In *IJJSS 7th (Indonesia Japan Joint Scientific Symposium)*.