



DAFTAR PUSTAKA

- Adi, A.C., Lasnawatin, F., Prananto, A.B., Suroyo, H., Gunawan, D.M., Gunawan, M., Soemanto, A., Panuju, Hadimuljono, J.S., Hermansyah, Slameto, E., Nurdiana, I., Gumilar, I.S., Zajuli, M.H.H., Wahyudiono, J., Santy, L.D., Wibowo, A.S., Yogi, A., Adlan, R., & Arviallyn, G.G. (2022). *Peta Cekungan Sedimen Indonesia*. Kementerian Energi dan Sumber Daya Mineral.
- Anonim. (1987). *GeoSI Theory*. Panduan Software Hampson Russel. Total dan CGG.
- Anonim. (2016). *Indonesia Basin Summaries*. Patra Nusa Data. Jakarta.
- Asparini, D. (2011). *Penerapan Metode Stacking Dalam Pemrosesan Sinyal Seismik Laut di Perairan Barat Aceh*. Bogor Agricultural University (IPB).
- Asquith, G., & Gibson, C., 1982, *Basic Well Log Analysis for Geologist*, The American Associtaion of Petroleum Geologists, Tulsa, Oklahoma.
- Azevedo, L., & Soares, A. (2017). *Geostatistical Methods for Reservoir Geophysics. Dalam Advances in Oil and Gas Exploration and Production*, 1–141. New York: Springer.
- Barca, E., Bruno, D.E., Ekuakille, A.L., Maggi, S., & Passarella, G. (2016). *Heuristic Rules for a Reliable Variogram Parameter Tuning*. Symposium on Environmental Instrumentation and Measurements.
- Bhatia, A.B. dan Singh, R.N. (1986), Mechanics of Deformable Media, University of Sussex Press, Bristol.
- Braile, L.W. (2006). Seismic Waves and the Slinky. The IRIS Consortium.
- Bransden, P.J.E., & Matthews, S.J. (1992). Structural and Stratigraphic Evolution of the East Java Sea, Indonesia. Dalam Indonesia Petroleum Association, Proceeding the 21st Annual Convention, Jakarta, p. 417–453.
- Burger, H.R., Sheehan, A.F., & Jones, C.H. (2023). *Introduction to Applied Geophysics: Exploring the Shallow Subsurface*. Cambridge University Press.
- Cooke, D., & Cant, J. (2010). *Model-Based Seismic Inversion: Comparing Deterministic and Probabilistic Approaches*. Calgary: CSEG
- Cooke, D.A., & Schneider, W.A. (1983). *Generalized Linear Inversion Of Reflection Seismic Data*. Society Of Exploration Geophysicists, 48(6), 665–676.
- Dondorur, D. (2018). *Acquisition and Processing of Marine Seismic Data*, Elsevier, 312-363.
- Ellis, D.V., & Singer, J.M. (2008). *Well Logging for Earth Scientists*. <https://www.scirp.org/reference/referencespapers?referenceid=2334113>, diakses pada 22 September 2023.
- Gelfand, V.A., & Larner, K.L. (1983). *Seismic Lithologic Modeling*. Australian Petroleum Exploration Association.



- Glover, P.W. J. (2000). *Petrophysics*. Department of Geology and Petroleum Geology, University of Aberdeen, United Kingdom.
- Harsono, A., 1997, Evaluasi Formasi dan Aplikasi Log, Edisi revisi -8 mei 1997, Schlumberger Oilfield Services. Jakarta, 160 Halaman.
- Hiasinta, A.D. (2018). Distribusi Properti Reservoir Karbonat Pada Lapangan ‘ADH’, Formasi Tuban, Cekungan Jawa Timur Utara Menggunakan Metode Inversi Stokastik. *Skripsi*. Fakultas Matematika dan Ilmu Pengetahuan Alam. Universitas Gadjah Mada. Yogyakarta.
- Imron, M., Adriawan, A., Hartanto, R., Aryani, D., Alsa, S., Ali, A., Toruan, N., A., Sularsih, Punjung, Ikawati, dan Purwanti. (2021). *Statistik Minyak dan Gas Bumi Semester I 2021*. Kementerian ESDM, Direktorat Jenderal Minyak dan Gas Bumi.
- Koesoemadinata, R.P. (1980) *Geologi Minyak dan Gas Bumi*. Institut Teknologi Bandung. pp. 296.
- Loucks, R.G., Rodgers, S., Kerans, C., & Janson, X. (2003). Platform-Interior Carbonate Depositional Environments. https://www.beg.utexas.edu/lmod/_IOL-CM02/cm02-step10.htm, diakses pada 17 November 2023.
- Mondol, N.H. (2015). *Well Logging: Principles, Applications and Uncertainties*. K. Bjørlykke (Edisi ke-2), Petroleum Geoscience: From Sedimentary Environments to Rock Physics. Berlin: Springer-Verlag.
- Mudjiono, R., & Pireno, G.E. (2001). *Exploration of the North Madura Platform, Offshore, East Java*. Proceedings of 28th Annual Convention of Indonesian Petroleum Association. Jakarta.
- Munadi, S. (2009). *Seismic Versus Sonic Revisited*. Lemigas Scientific Contributions, 32(1), 1–8.
- Oettler, J., Schmid, V.S., Zankl, N., Rey, O., Dress, A., & Heinze, J. (2013). *Fermat’s Principle of Least Time Predicts Refraction of Ant Trails at Substrate Borders*. PLoS ONE, 8(3), e59739. <https://doi.org/10.1371/journal.pone.0059739>.
- Oliver, A. M., & Webster, R. (2015). *Basic Steps in Geostatistics: The Variogram and Kriging*. New York: Springer.
- Permana, U., Triyoso, K., & Sanjaya, M.W.S. (2015). *Pengolahan Data Seismik Refleksi 2d Untuk Memetakan Struktur Bawah Permukaan Lapangan X Prabumulih Sumatera Selatan*. Volume 2, Nomor 1, P. 2-4.
- Pyrcz, J., & Deutsch, V. (2014). *Geostatistical Reservoir Modeling*. Second Edition. Oxford: Oxford University Press.
- Rider, M. (2002). *The Geological Interpretation of Well Log*. 2nd Edition, Whittles Publishing, Scotland.
- Russel, B.H., Hampson, D., Schuelke, J., & Qurein, J. (1997). *Multiattribute Seismic Analysis*. The Leading Edge, 16, 1439-1443.
- Saputri, D.Y.M. (2017). Karakterisasi Reservoir Batugamping Menggunakan Analisis Inversi Impedansi Akustik Dan Multi-Atribut Pada Lapangan ‘Bondrang’, Formasi



Kujung I, Cekungan Jawa Timur. *Skripsi*. Fakultas Matematika dan Ilmu Pengetahuan Alam. Universitas Gadjah Mada. Yogyakarta.

Satyana, (2002). *Oligo-Miocene Reefs: East Java's Giant Fields*. Proceeding of Indonesian Association of Geologists (IAGI) Giant Field and New Exploration Concept Seminar. Jakarta: Oktober 2002.

Satyana, A. H., & Purwaningsih, E. M. (2003). *Oligo-Miocene carbonates of Java: Tectonic setting and effects of volcanism*. Proceeding of Joint Convention Jakarta, The 32nd dan 28th HAGI Annual Convention and Exhibition. Jakarta.

Schabenberger, O. and Gotway, C.A. (2004). *Statistical Methods for Spatial Data Analysis*. Edisi 1–58488–322–7. [Daring] Google Books. CRC Press. Tersedia di: https://books.google.co.id/books/about/Statistical_Methods_for_Spatial_Data_An_a.html?id=iVJuVLArmZcC&redir_esc=y, diakses pada 23 Oktober 2023.

Setiawan, D., Maryanto, F.D., Wikanswasti, D.K., & Wardhana, A.I. (2015). *Tuban Sandstone; An Overlooked Reservoir*. Proceedings of 39th Annual Convention of Indonesian Petroleum Association. Jakarta.

Simm, R., & Bacon, M. (2014). *Seismic Amplitude: An Interpreter's Handbook*. Cambridge: Cambridge University Press.

Sismanto. (2006). *Akuisisi dan Pemrosesan Data Seismik*. Laboratorium Geofisika, Jurusan Fisika, Program Studi Geofisika, FMIPA Universitas Gadjah Mada.

Slawinski, M.A. (2002). *On Seismic Waves in Linearly Elastic, Anisotropic and Nonuniform Continua*. Canadian Society of Exploration Geophysicists, 27(01).

Sribudiyani, Prasetya, I., Muchsin, N., Sapiie, B., Ryacudu, R., Asikin, S., Kunto, T., Harsolumakso, A., Astono, P., & Yulianto, I. (2003). *The Collision of the East Java Microplate and Its Implication for Hydrocarbon Occurrences in the East Java Basin*. Proceedings of 29th Annual Convention of Indonesian Petroleum Association. Jakarta.

Sukmono, S. (2000). *Seismik Inversi untuk Karakterisasi Reservoir*. Bandung: ITB Press.

Sukmono, S., 1999, *Interpretasi Seismik Refleksi*, Jurusan Teknik Geofisika, Institut Teknologi Bandung, Bandung.

Sulistiani, H. (2016). *Analisis Seismic Hazard Berdasarkan Data Peak Ground Acceleration (PGA) dan Kerentanan Gempa Menggunakan Metode Mikroseismik di Daerah Kampus Unnes Sekaran, Gunungpati, Kota Semarang*. Jurusan Fisika, Universitas Semarang.

Sulystyaningrum, E., Khumaedi, & Supriyadi (2014). *Aplikasi Metode Seismik Refraksi Untuk Identifikasi Pergerakan Tanah Di Perumahan Bukit Manyaran Permai (Bmp) Semarang*. Unnes Physics Journal, 3(2).

Suprajitno, M. (2005). *Pengantar Geostatistik*. Jakarta: Universitas Indonesia.

Supriyanto. (2007). *Analisis Data Geofisika: Memahami Teori Inversi*. Universitas Indonesia.



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Telford, W.M., Geldart, L.P., & Sheriff, R.E. (1990). *Applied Geophysics*. Edisi ke-2. Cambridge University Press, New York.

Veeken, P.C., & Moerkerken, B. v. (2013). *Seismic Stratigraphy and Depositional Facies Models*. Utrecht: EAGE.

Young, H.D., & Freedman, R.A. (2003) *University Physics with Modern Physics*. 11th Edition, Addison Wesley, Boston.

Zare, M., Javaherian, A. and Shabani, M. (2018). *Capability of the Stochastic Seismic Inversion in Detecting the Thin Beds: a Case Study at One of the Persian Gulf Oilfields*. Iranian Journal of Oil & Gas Science and Technology, 7, pp.01-17.