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DAFTAR PUSTAKA

Al-Mudhafar, W. J., Vo Thanh, H., Wood, D. A., dan Min, B., 2024. Stochastic lithofacies and petrophysical property modeling for fast history matching in heterogeneous clastic reservoir applications. *Scientific Reports*, *14*(1), 1–24. https://doi.org/10.1038/s41598-023-50853-3

Alabert, F. G., 1987. *Stochastic Imagingof Spatial Distributions Using Hard and Soft Information. M.Sc*. Thesis. Stanford, California: Department of Applied Earth Sciences, Stanford University.

Alifudin, R. F., Lestari, W., Syarifuddin, firman, dan Haidar, M. W., 2016. Karakterisasi Reservoir Karbonat dengan Aplikasi Seismik Atribut. *Jurnal Geosaintek*, *2*(2).

Asquith, G., dan Gibson, C., 2004. *Basic Well Log*. Tulsa, Oklahoma: American Association of Petroleum Geologists (AAPG).

Asquith, G., dan Krygowski, D., 2004. Basic (Well) Log Analysis. In *Dictionary Geotechnical Engineering/Wörterbuch GeoTechnik*.

Ayman, M. A., Sudarmaji, S., dan Trisna, M. D., 2024. Petrophysical Analysis and Seismic Attribute for Reservoir Characterization in "AMN" Field, Talang Akar Formation, South Sumatra Basin. *Jurnal Penelitian Fisika dan Aplikasinya (JPFA)*, *14*(1), 1–18. https://doi.org/10.26740/jpfa.v14n1.p1-18

Bishop, M. G., 2001. South Sumatra Basin Province, Indonesia: The Lahat/Talang Akar-Cenozoic Total Petroleum System. *USGS Open File Report*, (99-50-S), 22.

Biswas, A., dan Cheng, B., 2013. *Model Averaging for Semivariogram Model Parameters*.

Brown, A. R., 2001. *Interpretation of Three-Dimensional Seismic Data.* 5th ed. Tulsa, Oklahoma: American Association of Petroleum Geologists (AAPG).

Business Indonesia., 2024. *Bauran energi primer nasional 2024*. https://business-indonesia.org/energy

Chopra, S., dan Marfurt, K. J., 2005. Seismic attributes - A historical perspective. *Geophysics*, *70*(5). https://doi.org/10.1190/1.2098670.

Dake, L. P., 1978. Fundamentals fo Reservoir Engineering,volume 8. In *Elsevier*.

Darling, T., 2005. Well Logging and Formation Evaluation. In *Well Logging and Formation Evaluation*. https://doi.org/10.1016/B978-0-7506-7883-4.X5000-1

De Coster, G. L., 1974. *The Geology of the Central and South Sumatra Basins*.

UNIVERSITAS
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https://doi.org/10.29118/ipa.670.77.110

Ellis, D. V, dan Singer, J. M., 2008. *Well Logging for Earth Scientists, 2nd Edition*. Dordrecht: Springer.

Enerdata., 2024. *Indonesia energy information: Oil production, consumption and trade.* https://www.enerdata.net/estore/energy-market/indonesia/

Esiri, A. E., Jambol, D. D., dan Ozowe, C., 2024. Enhancing reservoir characterization with integrated petrophysical analysis and geostatistical methods. *Open Access Research Journal of Multidisciplinary Studies*, *7*(2), 168–179. https://doi.org/10.53022/oarjms.2024.7.2.0038

Galloway, W. E., dan Hobday, D. K., 1996. *Terrigenous Clastic Depositional Systems* : Applications to Fossil Fuel and Groundwater Resources. New York: Springer-Verlag.

Ginger, D., dan Fielding, K., 2005. *The petroleum systems and future potential of the South Sumatra basin*. (August). https://doi.org/10.29118/ipa.2226.05.g.039

Glover, P. W. J., 2000. *Petrophysics in MSc Petroleum Geology Program*.

Goovaerts, P., 1997. *Geostatistics for Natural Resources Evaluation.* New York: Oxford University Press.

Harsono, A., 1997. Aplikasi Well Logging Dalam Evaluasi Formasi. *Schlumberger Oilfields Services*, 69–89.

Ibe, O. C. 2014. *Introduction to Descriptive Statistics*. Dalam: *Fundamentals of Applied Probability and Random Processes*. Edisi ke-2. Oxford: Academic Press, hlm. 253–274. https://doi.org/10.1016/B978-0-12-800852-2.00008-0.

Intan, J., Barus, I. K., Yuniardi, Y., dan Mohammad, F., 2023. Sifat Fisik Reservoir Hidrokarbon pada Formasi Talang Akar, Zona Upper dan Lower, Cekungan Sumatera Selatan. *Padjadjaran Geoscience Journal*, *7*(4). https://jurnal.unpad.ac.id/geoscience/article/view/53314

International Energy Agency (IEA)., 2024. *Southeast Asia energy outlook 2024*.

Kamali, M. R., Omidvar, A., dan Kazemzadeh, E., 2013. 3D Geostatistical Modeling and Uncertainty Analysis in a Carbonate Reservoir, SW Iran. *Journal of Geological Research*, *2013*, 1–7. https://doi.org/10.1155/2013/687947

Koesoemadinata, R., 1980. *Geologi Minyak dan Gas Bumi*. Bandung: Institut Teknologi Bandung.

Mattar, L., Eng, P., Dean, L., dan Geol, P., 2008. Part 6 – Well Test Interpretation FUNDAMENTALS : *Interpretation A Journal Of Bible And Theology*, (4), 22–

UNIVERSITAS
GADJAH MADA
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24.

Miall, A. D., 2006. Architectural Elements of the Overbank Environment. In *The Geology of Fluvial Deposits* (hal. 169–190). https://doi.org/10.1007/978-3-662-03237-4_7.

Mizuno, T. A., dan Deutsch, C. V., 2022. *Sequential Indicator Simulation (SIS)*. 1–9. https://geostatisticslessons.com/pdfs/sequentialindicatorsim.pdf

Munadi, S., dan Pasaribu, D. P., 1987. Seismiogram Sintetik dari Rekaman Geofisika Sumur. In *Lembaran Publikasi LEMIGAS: No.4* (hal. 298–311).

Nichols, G., 2009. Sedimentology and Stratigraphy. 2nd ed. Chichester: Wiley-Blackwell.

Nugraha, A. E. 2023. *Data Analyst 7: Distribusi Data Dalam Melakukan Analisis Fenomena Pada Data*. Medium. Tersedia pada: https://medium.com/@an.ekanugraha/data-analyst-7-distribusi-data-dalam-melakukan-analisis-fenomena-pada-data-662b46ceaff.

Poupon, dan Leveaux., 1971. *Evaluation of Water Saturation In Shaly Formations*. The Log Analyst, 12(4), hal. 3–12.

Pulunggono, A. dan Cameron, N.R., 1984. *Sumatran Microplates, Their Characteristics and Their Role in the Evolution of the Central and South Sumatra Basins.* Proceedings of the 13th Annual Convention Indonesian Petroleum Association, Volume 1, hal. 121–143.

Pyrcz, Michael J. dan Deutsch, Clayton V., 2018. Transforming Data to a Gaussian Distribution. *In J. L. Deutsch (Ed.), Geostatistics Lessons.*, Edmonton: Centre for Computational Geostatistics, University of Alberta, hal. 1–5.

Questiaux, J.-M., 2025. *BRIEF REVIEW OF MODELLING TECHNIQUES: Sequential Simulation; SIS; SGS; Truncated SGS dan Collocated Kriging*.

Rahayu, N., Sitaresmi, R., dan Jambak, M. A., 2018. Penentuan OOIP Berdasarkan Pemodelan Geologi dan Reservoir di Daerah Tanisha Cekungan Sumatra Selatan. *Jurnal Offshore: Oil, Production Facilities and Renewable Energy*, *2*(2), 14. https://doi.org/10.30588/jo.v2i2.401

Rider, M., 2002. The Geological Interpretation of Well Logs. 2nd ed. Sutherland, Scotland: Rider-French Consulting Ltd.

Rider, M., dan Kennedy, M., 2011. The Geological Interpretation of Well Logs. 3rd ed. Sutherland, Scotland: Rider-French Consulting Ltd.

Ringrose, P., & Bentley, M. (2021). *Reservoir Model Design: A Practitioner's Guide* (2nd ed.). Springer Nature Switzerland. https://doi.org/10.1007/978-3-030-

UNIVERSITAS
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70163-5

Rocha, S. S., Pitombo, C. S., Costa, L. H. M., dan Marques, S. de F., 2021. Applying optimization algorithms for spatial estimation of travel demand variables. *Transportation Research Interdisciplinary Perspectives*, *10*(April), 100369. https://doi.org/10.1016/j.trip.2021.100369

Rosalline, A. H., Nugroho, M. O. B., dan Rizky, A., 2023. Tinjauan Geologi dan Pemodelan Fasies 3D, Lapangan "Glory", Formasi Talang Akar, Cekungan Sumatra Selatan. *Jurnal Ilmiah Geologi PANGEA*, *10*(2), 87. https://doi.org/10.31315/jigp.v10i2.11216

Sarma, D.D., 2009. *Geostatistics with Applications in Earth Sciences* (2nd ed.). Springer/Capital Publishing.

Selley, R. C., 1998. *Elements-of-Petroleum-Geology.* 2nd ed. San Diego: Academic Press.

Sheriff, R. E., dan Geldart, L. P., 1985. Exploration Seismology. In *Physics of the Earth and Planetary Interiors* (Vol. 39, Nomor 1). https://doi.org/10.1016/0031-9201(85)90116-5

SPE, WPC, AAPG, SPEE, SEG, SPWLA, dan EAGE., 2022. Petroleum Resources Management System, (revised June 2018). In *Society of Petroleum Engineers (SPE) World Petroleum Council (WPC) , (AAPG), (SPEE), (SEG), (SPWLA), (EAGE). https://www.spe.org/media/filer_public/0c/83/0c835db9-501f-4ce7-97f1-a1d6bb4e3331/prmgmtsystem_v103.pdf* (Vol. 2018, Nomor June).

Sukmono., 2013. *2013-Diktat Kuliah Interpretasi Seismik Refleksi, ITB-Sukmono, S.-.pdf _ FEISMO.COM Web Standards-Based Platform.*

Telford, W.M., Geldart, L.P. dan Sheriff, R.E., 1990. *Applied Geophysics.* 2nd ed. Cambridge: Cambridge University Press.

Thomas, L., 2013. Coal geology. In *Choice Reviews Online* (Vol. 50, Nomor 12). https://doi.org/10.5860/choice.50-6779

Waluyo., 2016. Bahan Ajar Bahan Ajar Bahan Ajar. *Repository.U&.Ac.Id*, (Mkb 7056), 1–101. https://repository.pertanian.go.id/items/84e82781-2ca4-4d63-a0ab-5234bdc7246c