

DAFTAR PUSTAKA

- A. Rachmad, A., Djuhaeni, D., & Sumintadiredja, P. (2017). TEKTONOSTRATIGRAFI DAN SIKUEN STRATIGRAFI ENDAPAN LISU BLOK DUYUNG, CEKUNGAN NATUNA BARAT. *Bulletin of Geology*, 1(2), 94–106. <https://doi.org/10.5614/bull.geol.2017.1.2.3>
- Abdulaziz, A. M., Ali, M. K., & Hafad, O. F. (2022). Influences of Well Test Techniques and Uncertainty in Petrophysics on Well Test Results. *Energies*, 15(19), 7414. <https://doi.org/10.3390/en15197414>
- Abuzaied, M. M., Chatterjee, S., & Askari, R. (2023). Stochastic inversion combining seismic data, facies properties, and advanced multiple-point geostatistics. *Journal of Applied Geophysics*, 213, 105026. <https://doi.org/10.1016/j.jappgeo.2023.105026>
- Allen, P. A. (2013). *Basin Analysis: Principles and Application to Petroleum Play Assessment* (1st ed). John Wiley & Sons, Incorporated.
- Allison, C. (2019, November 14). The Basic Principle of Sonic Logging Tools. *The Basic Principle of Sonic Logging Tools*. <https://onscale.com/the-basic-principle-of-sonic-logging-tools/>
- American Geosciences Institute. (2000). AGI Training Module, Interpreting Sequence Stratigraphy. *Interpreting Siliciclastic Sequence Stratigraphy from Well Logs*. <https://www.beg.utexas.edu/lmod/mod11/m11-bc01.htm>
- Ampilov, Y. P. (2014). *ebook—From Seismic Interpretation to Modelling and Assessment of Oil and Gas Fields*. EAGE Publications bv. <https://doi.org/10.3997/9789462820050>
- Boggs, S. (2014). *Principles of Sedimentology and Stratigraphy* (5. ed., Pearson New International Edition). Pearson Education Limited.
- Bredesen, K., Jensen, E. H., Johansen, T. A., & Avseth, P. (2015). Quantitative seismic interpretation using inverse rock physics modelling. *Petroleum Geoscience*, 21(4), 271–284. <https://doi.org/10.1144/petgeo2015-006>
- Burton, D., & Wood, L. J. (2010). Seismic geomorphology and tectonostratigraphic fill of half grabens, West Natuna Basin, Indonesia. *AAPG Bulletin*, 94(11), 1695–1712. <https://doi.org/10.1306/06301010003>
- Catuneanu, O., Galloway, W. E., Kendall, C. G. S. t. C., Miall, A. D., Posamentier, H. W., Strasser, A., & Tucker, M. E. (2011). Sequence Stratigraphy: Methodology and Nomenclature. *Newsletters on Stratigraphy*, 44(3), 173–245. <https://doi.org/10.1127/0078-0421/2011/0011>

- Copus, J. M. J., Bertram, G. T., Emery, D., & Myers, K. (1996). *Sequence stratigraphy*. *Geological Magazine*, 134(4), 575–582. <https://doi.org/10.1017/S0016756897307389>
- Daines, S. R. (1985, October 1). Structural history of the W Natuna basin and the tectonic evolution of the Sunda region. *Proc. Indon Petrol. Assoc.*, 14th Ann. Conv. Fourteenth Annual Convention. <https://doi.org/10.29118/IPA.420.39.61>
- Darmadi, Y. (2011, January 5). Reservoir characterization of the Gabus-1 reservoir in North Belut field: An integration of core, well logs and *seismic*, Natuna Sea Basin, Indonesia. *Proc. Indon Petrol. Assoc.*, 35th Ann. Conv. Thirty-Fifth Annual Convention. <https://doi.org/10.29118/IPA.1104.11.G.196>
- Darman, H. (2017). *SEISMIC EXPRESSION OF KEY GEOLOGICAL FEATURES IN THE EAST NATUNA BASIN*. 38.
- Darman, H., Sidi, F. H., & Indonesian Association of Geologists (Eds.). (2000). *An outline of the geology of Indonesia*. Regional Seminar Tectonics and Sedimentation of Indonesia, Jakarta. Indonesian Assoc. of Geolog.
- Das, V., Pollack, A., Wollner, U., & Mukerji, T. (2018). *Convolutional Neural Network for seismic impedance inversion*. *SEG Technical Program Expanded Abstracts 2018*, 2071–2075. <https://doi.org/10.1190/segam2018-2994378.1>
- De Mello E Silva, F. G., & Beneduzi, C. F. (2017). Using sonic log for fluid identification in siliciclastic reservoirs. *15th International Congress of the Brazilian Geophysical Society & EXPOGEF, Rio de Janeiro, Brazil, 31 July-3 August 2017*, 872–877. <https://doi.org/10.1190/sbgf2017-170>
- Doust, H., & Noble, R. A. (2008a). Petroleum systems of Indonesia. *Marine and Petroleum Geology*, 25(2), 103–129. <https://doi.org/10.1016/j.marpetgeo.2007.05.007>
- Doust, H., & Noble, R. A. (2008b). Petroleum systems of Indonesia. *Marine and Petroleum Geology*, 25(2), 103–129. <https://doi.org/10.1016/j.marpetgeo.2007.05.007>
- Doust, H., & Sumner, H. S. (2007). Petroleum systems in rift basins – a collective approach in Southeast Asian basins. *Petroleum Geoscience*, 13(2), 127–144. <https://doi.org/10.1144/1354-079307-746>
- Emery, D., & Myers, K. J. (1996). *Sequence stratigraphy* (1996).
- Fainstein, R., & Meyer, J. (1997). Structural Interpretation of the Natuna Sea, Indonesia. *SEG Technical Program Expanded Abstracts 1997*, 639–642. <https://doi.org/10.1190/1.1886021>

- Ginger, D. C. (1993, October 1). Inversion history of the West Natuna basin: Examples from the Cumi-Cumi PSC. *Proc. Indon Petrol. Assoc., 22nd Ann. Conv. Twenty Second Annual Convention*. <https://doi.org/10.29118/IPA.2023.635.658>
- Glover, P. (n.d.). *Petrophysics MSc Course Notes-Chapter 16 THE SONIC OR ACOUSTIC LOG*.
- Gu, W., Yin, X., Wu, F., Luo, Y., Liang, H., Pei, S., & Yang, Y. (2024). Five-dimensional *facies-driven seismic inversion* for igneous reservoirs based on rock-physics modelling. *Journal of Geophysics and Engineering*, 21(2), 634–648. <https://doi.org/10.1093/jge/gxae025>
- Hakim, M. R. (2008, May 1). Hydrocarbon play of West Natuna basin and challenge for new exploration related to structural setting and stratigraphic succession. *Proc. Indon Petrol. Assoc., 32nd Ann. Conv. Thirty-Second Annual Convention*. <https://doi.org/10.29118/IPA.513.08.SG.039>
- Halim, I. P. (2016). *INTEGRASI DATA GEOLOGI, GEOFISIKA DAN RESERVOIR DALAM PEMODELAN GEOLOGI DI LAPANGAN "X."*
- Hall, R. (2000). Cenozoic plate tectonic reconstructions of SE Asia. *Geological Society, London, Special Publications*, 126(1), 11–23. <https://doi.org/10.1144/GSL.SP.1997.126.01.03>
- Hall, R. (2002). *Cenozoic geological and plate tectonic evolution of SE Asia and the SW Pacific: Computer-based reconstructions, model and animations*.
- Hollad, S. (2008). *An Online Guide to Sequence Stratigraphy*.
- Ikatan Ahli Geologi Indonesia. (1996). *Sandi Stratigrafi Indonesia Edisi 1996*.
- Kausarian, H., Lei, S., Lai, G. T., Cui, Y., & Suryadi, A. (2019). A New Geological Map of Formation Distribution on Southern Part of South China Sea; Natuna Island, Indonesia. *IOP Conference Series: Materials Science and Engineering*, 532(1), 012020. <https://doi.org/10.1088/1757-899X/532/1/012020>
- Kendall, C. G. St. C. (2014). *Sequence Stratigraphy*. In J. Harff, M. Meschede, S. Petersen, & J. Thiede (Eds.), *Encyclopedia of Marine Geosciences* (pp. 1–10). Springer Netherlands. https://doi.org/10.1007/978-94-007-6644-0_178-1
- Khosro Anjom, F., Vaccarino, F., & Socco, L. V. (2024). Machine learning for seismic exploration: Where are we and how far are we from the holy grail? *GEOPHYSICS*, 89(1), WA157–WA178. <https://doi.org/10.1190/geo2023-0129.1>
- Koesoemadinata, R. P. (2020). *An Introduction into the Geology of Indonesia (General Introduction and Part I Western Indonesia)*.

- Li, M., Yan, X., & Zhang, M. (2023). A comprehensive review of *seismic inversion* based on neural networks. *Earth Science Informatics*, 16(4), 2991–3021. <https://doi.org/10.1007/s12145-023-01079-4>
- Magoon, B. L., & Dow, W. G. (1991). The Petroleum System—From Source to Trap. *AAPG Bulletin*, 75. <https://doi.org/10.1306/0C9B0689-1710-11D7-8645000102C1865D>
- Manur, H., & Jaques, J. M. (2014, May 21). Deformational Characteristics of the West Natuna Basin with Regards to Its Remaining Exploration Potential. *Proc. Indonesian Petrol. Assoc.*, 38th Ann. Conv. Thirty-Eight Annual Convention. <https://doi.org/10.29118/IPA.0.14.G.193>
- Michael, E. (1996, October 1). The petroleum systems of West Block “B” PSC, South Natuna Sea, Indonesia. *Proc. Indon Petrol. Assoc.*, 25th Ann. Conv. Twenty-Fifth Silver Anniversary Convention. <https://doi.org/10.29118/IPA.2146.465.479>
- Morley, R. J., Morley, H. P., & Pace, P. R. (2003, October 1). Unravelling the Tectonically Controlled Stratigraphy of the West Natuna Basin by Means of Palaeo-Derived Mid Tertiary Climate Changes. *Proc. Indon Petrol. Assoc.*, 29th Ann. Conv. Twenty-Ninth Annual Convention and Exhibition. <https://doi.org/10.29118/IPA.2557.03.G.118>
- Naeini, E. Z., & Nasser, J. (2019). Facies-based seismic inversion for a field development plan. *The Leading Edge*, 38(10), 770–779. <https://doi.org/10.1190/tle38100770.1>
- Obaje, S. O. (2013). *Sequence Stratigraphy Concepts and Applications: A Review*. 3.
- Payton, C. E. (1977a). *Seismic Stratigraphy—Applications to Hydrocarbon Exploration*. American Association of Petroleum Geologists. <https://doi.org/10.1306/M26490>
- Payton, C. E. (1977b). *Seismic Stratigraphy—Applications to Hydrocarbon Exploration*. American Association of Petroleum Geologists. <https://doi.org/10.1306/M26490>
- Peters, K. E., & Cassa, M. R. (1994). *Applied Source Rock Geochemistry*.
- Phillips, S. (1997, May 1). Sequence stratigraphy of Tertiary petroleum systems in the West Natuna Basin, Indonesia. *Proceedings of an International Conference on Petroleum Systems of SE Asia and Australasia*. International Conference on Petroleum Systems of SE Asia and Australasia. <https://doi.org/10.29118/IPA.640.381.390>
- Pollock, R. E. (1984, May 1). The petroleum geology of the KH field, Kakap, Indonesia. *Proc. Indon Petrol. Assoc.*, 13th Ann. Conv. Thirteenth Annual Convention. <https://doi.org/10.29118/IPA.520.407.423>

- Posamentier, H. W. (Ed.). (2006). *Facies models revisited*. Society for Sedimentary Geology.
- Posamentier, H. W., & George, P. (1992). Forced Regressions in a *Sequence Stratigraphic Framework: Concepts, Examples, and Exploration Significance* (1). *AAPG Bulletin*, 76. <https://doi.org/10.1306/BDF8AA6-1718-11D7-8645000102C1865D>
- Prasetyo, B. (2001, October 1). Source Rock Evaluation and Crude Oil Characteristics, West Natuna Area, Indonesia. *Proc. Indon Petrol. Assoc., 28th Ann. Conv.* Twenty-Eighth Annual Convention and Exhibition. <https://doi.org/10.29118/IPA.123.825>
- Purwaka, Z. S., & Ariadji, T. (2010). *KUANTIFIKASI KETIDAKPASTIAN DAN PENENTUAN PERSAMAAN UNTUK MEMPERKIRAKAN FAKTOR PEROLEHAN MINYAK PADA RESERVOIR MINYAK LAPANGAN X*.
- Rana, S., Burley, S., Chowdhury, S., India, B. E., Plaza, S., & Road, M. V. (n.d.). *The application of hierarchical seismic attribute combination to high precision infill well planning in the South Tapti Field, offshore Western India*.
- Riadini, P., Fardanea, G., Iskandar, D., & Rizaldi, O. (2023). *PROCEEDINGS, INDONESIAN PETROLEUM ASSOCIATION Forty-Seventh Annual Convention & Exhibition, July 2023*.
- Setyono, A. E., & Kiono, B. F. T. (2021). Dari Energi Fosil Menuju Energi Terbarukan: Potret Kondisi Minyak dan Gas Bumi Indonesia Tahun 2020 – 2050. *Jurnal Energi Baru dan Terbarukan*, 2(3), 154–162. <https://doi.org/10.14710/jebt.2021.11157>
- Sihombing, E. H. (2018, May 2). The Stratigraphy of a *Lacustrine* Associated Reservoir in the Belut Formation, Block B, West Natuna Basin. *Proc of Indonesian Petroleum Association 42nd Annual Convention*. Indonesian Petroleum Association 42nd Annual Convention and Exhibition. <https://doi.org/10.29118/IPA19.G.437>
- Surjono, S. S., Afandi, M., Arifianto, I., Mitasari, A. A., & Mada Mahendra, F. H. (2023a). Sedimentology and reservoir characteristics of *syn-rift* to *syn-inversion* succession in Anoa *half-graben*, West Natuna basin, Indonesia. *Marine and Petroleum Geology*, 152, 106258. <https://doi.org/10.1016/j.marpetgeo.2023.106258>
- Surjono, S. S., Afandi, M., Arifianto, I., Mitasari, A. A., & Mada Mahendra, F. H. (2023b). Sedimentology and reservoir characteristics of *syn-rift* to *syn-inversion* succession in Anoa *half-graben*, West Natuna basin, Indonesia. *Marine and Petroleum Geology*, 152, 106258. <https://doi.org/10.1016/j.marpetgeo.2023.106258>

- Sutoto, A. (1991, October 1). Reservoir geology of the Belida Field, South Natuna Sea, Block B. *Proc. Indon Petrol. Assoc., 20th Ann. Conv.* Twentieth Annual Convention. <https://doi.org/10.29118/IPA.1620.453.478>
- Tapponnier, P., Peltzer, G., Le Dain, A. Y., Armijo, R., & Cobbold, P. (1982). Propagating extrusion tectonics in Asia: New insights from simple experiments with plasticine. *Geology*, 10(12), 611–616. [https://doi.org/10.1130/0091-7613\(1982\)10<611:PETIAN>2.0.CO;2](https://doi.org/10.1130/0091-7613(1982)10<611:PETIAN>2.0.CO;2)
- Taye, M. M. (2023). Understanding of Machine Learning with Deep Learning: Architectures, Workflow, Applications and Future Directions. *Computers*, 12(5), 91. <https://doi.org/10.3390/computers12050091>
- Tjia, H. D. (1998). Origin and tectonic development of Malay-Penyu-West Natuna basins. *Bulletin of the Geological Society of Malaysia*, 42, 147–160. <https://doi.org/10.7186/bgsm42199813>
- Ugbor, C. C., Ihemnachor, U., & Ezienwokocha, S. (2025). *Three-Dimensional Modelling and Volumetric Analysis Using Seismic and Well Log Data at DINO Oil Field, Niger Delta Basin Nigeria*. <https://doi.org/10.4236/gep.2025.133006>
- Vail, P. R., Hardenbol, J., & Todd, R. G. (1984). Jurassic Unconformities, Chronostratigraphy, and Sea-Level Changes from Seismic Stratigraphy and Biostratigraphy. In J. S. Schlee, *Interregional Unconformities and Hydrocarbon Accumulation*. American Association of Petroleum Geologists. <https://doi.org/10.1306/M36440C10>
- Van De Lagemaat, S. H. A., Cao, L., Asis, J., Advokaat, E. L., Mason, P. R. D., Dekkers, M. J., & Van Hinsbergen, D. J. J. (2024). Causes of Cretaceous subduction termination below South China and Borneo: Was the Proto-South China Sea underlain by an oceanic plateau? *Geoscience Frontiers*, 15(2), 101752. <https://doi.org/10.1016/j.gsf.2023.101752>
- Van Wagoner, J. C., Mitchum, R. M., Campin, K. M., & Rahmanian, V. D. (1990). *Siliciclastic Sequence Stratigraphy in Well Logs, Cores, and Outcrops: Concepts for High-Resolution Correlation of Time and Facies*. AAPG/Datapages. <https://doi.org/10.1306/BF9AB431-0EB6-11D7-8643000102C1865D>
- Wilson, R. W., Houseman, G. A., Buiter, S. J. H., McCaffrey, K. J. W., & Doré, A. G. (2019). Fifty years of the Wilson Cycle concept in plate tectonics: An overview. *Geological Society, London, Special Publications*, 470(1), 1–17. <https://doi.org/10.1144/SP470-2019-58>
- Wirojudo, G. K., & Wongsosantiko, A. (1985). *TERTIARY TECTONIC EVOLUTION AND RELATED HYDROCARBON POTENTIAL IN THE NATUNA AREA*.

- Xu-Ri, H., Li, L., Fa-Lv, L., Xi-Sheng, L., Qi, C., & Yue, D. (2020). Development and application of iterative *facies*-constrained *seismic inversion*. *Applied Geophysics*, 17(4), 522–532. <https://doi.org/10.1007/s11770-020-0837-3>
- Zabihi Naeini, E., & Exley, R. (2017). Quantitative interpretation using *facies*-based *seismic inversion*. *Interpretation*, 5(3), SL1–SL8. <https://doi.org/10.1190/INT-2016-0178.1>
- Zhang, T.-F., Tilke, P., Dupont, E., Zhu, L.-C., Liang, L., & Bailey, W. (2019). Generating geologically realistic 3D reservoir *facies* models using deep *learning* of sedimentary *Architecture* with generative adversarial networks. *Petroleum Science*, 16(3), 541–549. <https://doi.org/10.1007/s12182-019-0328-4>