

DAFTAR PUSTAKA

- Ahmad, T., dan Zhang. 2020. A critical review of comparative global historical energy consumption and future demand: the story told so far, *Energy Rep*, v. 6, p. 1973-1991.
- Alfi, M., Yan, B., Cao, Y., An, C., Wang, Y., He, J., dan Killough, J. 2014. How to improve our understanding of gas and oil production mechanisms in liquid-rich shale. In SPE Annual Technical Conference and Exhibition (pp. SPE-170959). SPE.
- Badan Geologi, 2009. Peta Cekungan Sedimen Indonesia Berdasarkan Data Gayaberat dan Geologi. Badan Geologi, Bandung.
- BP Global, BP Statistical Review of World Energy 2020, 2020, available: <https://bp.com/content/dam/bp/businesssites/en/global/corporate/pdfs/energy-economics/statistical-review/bp-stats-review-2020-full-report.pdf>.
- Brunauer, S., Emmett, P. H., dan Teller, E. 1938. Adsorption of gases in multimolecular layers. *Journal of the American Chemical Society*, v. 60.2, p. 309–319.
- Charlton, T.R., 1996. Correlation of the Salawati and Tomori basin, eastern Indonesia: a constrain on left-lateral displacement of the sorong fault zone. From Hall, R. dan Blundell, D. (eds), 1996. *Tectonic Evolution of Southeast Asia*, Geological Society Publication No. 106: p. 465-481.
- Davies, I.C., 1990, Geological and Exploration Review of the Tomori PSC, Eastern Indonesia.
- Demaison, G. J., dan Moore, G. T. 1980. An Overview of the Concept of Source Rocks and Hydrocarbon Generation. In *Geology of Petroleum Systems*, edited by R. H. Worden, Society of Economic Paleontologists and Mineralogists, Tulsa, p. 1-20.
- Eslinger, E. V., dan Pevear, D. R. 1988. Clay minerals for petroleum geologists and engineers (SEPM Short Course Notes No. 22). Society of Economic Paleontologists and Mineralogists
- Ferdian, F., Hall, R., dan Watkinson, I. 2010. A structural re-evaluation of the North Banggai-Sula area, eastern Indonesia, Proceedings Indonesian Petroleum Association, 34th Annual Convention and Exhibition, Indonesian Petroleum Association, Jakarta, p. 20.
- Garrard, R.A., Supandjono, J. B. dan Surono. 1988. The Geology of the Banggai – Sula Microcontinent, Eastern Indonesia, Proceeding Indonesian Petroleum Association, 17th Annual Convention & Exhibition, Jakarta, p. 23-52
- Gao, H., Cao, J., Wang, C., Li, T., He, M., Dou, L., & Li, X. (2021). Comprehensive characterization of nano-pore system for Chang 7 shale oil reservoir in Ordos Basin. *Energy Exploration & Exploitation*, v. 39(1), p. 180-200.
- Gensterblum, Y., Ghanizadeh, A., Cuss, R. J., Amann-Hildenbrand, A., Krooss, B. M., Clarkson, C. R., dan Zoback, M. D. 2015. Gas transport and storage capacity in shale gas reservoirs—A review. Part A: Transport processes. *Journal of Unconventional Oil and Gas Resources*, v. 12, p. 87-122.

- Hasanusi, D., Abimanyu, A., Artono, E. dan Baasir, A., G., 2004. Prominent Senoro Gas Field Discovery in Central Sulawesi: IPA – AAPG Deepwater and Frontier Symposium: p. 177-197.
- Hunt, J. M., 1996, Petroleum Geochemistry and Geology, 2nd ed. San Francisco :Freeman.
- International Committee for Coal Petrology (ICCP), 2011. Training Course on Dispersed Organic Matter, p. 17-81.
- Javadpour, F., Fisher, D., dan Unsworth, M. 2007. Nanoscale gas flow in shale gas sediments. *Journal of Canadian Petroleum Technology*, v. 46.10, p. 55-61.
- Ji, L., Zhang, T., Milliken, K. L., Qu, J., dan Zhang, X. 2012. *Experimental investigation of main controls to methane adsorption in clay-rich rocks. Applied Geochemistry*, v. 27.1, p. 2533–2545
- Jiang, Z., Duan, H., Liang, C., Wu, J., Zhang, W., dan Zhang, J. 2017. Classification of hydrocarbon-bearing fine-grained sedimentary rocks. *Journal of Earth Science*, v. 28. p. 693-976.
- Kementerian Energi dan Sumber Daya Mineral. 2013. Cadangan Migas Non-Konvensional Indonesia Capai 1.037 TCF. Jakarta: Kementerian ESDM. <https://www.esdm.go.id/id/media-center/arsip-berita/cadangan-migas-non-konvensional-indonesia-capai-1037-tcf>
- Killops, S. dan Killops, V., 2005, Introduction to Organic Geochemistry, 2nd edition, Blackwell Publishing, Victoria, p. 393.
- Liu, J., Kang, S., Shen, W., Qin, L., Zhou, Q., Li, S., Ding, F., dan Shao, L. 2020. Petrology and hydrocarbon significance of the coaly source rocks from the Pinghu Formation in the Xihu Sag, East China Sea Shelf Basin. *Energy Exploration & Exploitation*, v. 38.5, p. 1295-1319.
- Massoud, M. S., dan Kinghorn. R.F. 1985. A New Classification for The Organic Components of Kerogen, *Journal of Petroleum Geology*, v.8.1, p. 85-100.
- McCarthy, J. 2011. Shale Gas: A Global Perspective. World Energy Council, London.
- Montgomery, S. L., Jarvie, D. M., Bowker, K. A., dan Pollastro, R. M. 2005. Mississippian Barnett Shale, Fort Worth basin, north-central Texas: Gas-shale play with multi-trillion cubic foot potential. *AAPG bulletin*, v. 89.2, p. 155-175.
- Moore, D. M., dan Reynolds, R. C., Jr. 1997. *X-ray diffraction and the identification and analysis of clay minerals* (2nd ed.). Oxford University Press.
- Muhartanto, A., dan Purwanto, T., 2011, Potensi Batuan Induk di Cekungan Banggai, Sulawesi Tengah, *Mindagi*, v. 2.1., p. 29-40.
- Nugraha, A.M.S., Hall, R., and BouDagher-Fadel, M. 2022. The Celebes Molasse: A Revised Neogene Stratigraphy for Sulawesi, Indonesia: *Journal of Asian Earth Sciences*, v. 228, p. 105140.
- Pan, Z., Connell, L. D., & Lu, M. (2010). Influence of clay content and associated compressibility and permeability on shale gas reservoir modeling. *Journal of Petroleum Science and Engineering*, v. 71.3-4, p. 113–120.
- Prabawa, G., Jambak, M.A., Harnest, B., Irano, T., and Ibrahim, I., 2020, Rejuvenating The Concept of The Salodik Group Reservoir of The Banggai Basin Through Surface Geological Mapping and Multi-Method Analyses.

- Pratapa, S. 2009. Difraksi Sinar-X untuk Sidikjari dalam Analisis Nanostruktur. Prosiding Seminar Nasional Hamburan Neutron Dan Sinar-X Ke 7, 1–5.
- Priyanto, B., dan Fitriannur, M. R., 2008. Neogene Tectonic and Sedimentary Control to Hydrocarbon Generation in Banggai Basin, Eastern Sulawesi. Prosiding Pertemuan Ilmiah Tahunan IAGI ke-37, Bandung, p. 54-65.
- Peters, K. E., and Cassa, M. R., 1994. Applied Source Rock Geochemistry. In L. B. Magoon and W. G. Dow (eds.), *The Petroleum System-From Source to Trap*. AAPG Memoir 60. Tulsa: American Association of Petroleum Geologists, p. 93-120.
- Ross, D. J. K., & Bustin, R. M. 2009. The importance of shale composition and pore structure in controlling the gas storage potential of shale gas reservoirs. *International Journal of Coal Geology*, v. 80.2, p. 135–168.
- Rudyawan, A., and Hall, R., 2012, Structural Reassessment Of The South Banggai-Sula Area: No Sorong Fault Zone
- Rusmana, E., Sukido, Sukarna, D., Haryanto, E. and Simandjuntak, T.O. 1993. Peta Geologi Lembar Luwuk, Sulawesi Tengah. Pusat Penelitian dan Pengembangan Geologi. Bandung.
- Satyana, A. H., dan Zaitun, S., 2016. Origins of Oils Aand Gases at Banggai–Sula Microcontinent, Eastern Sulawesi–North Moluccas: Constraints from Biomarkers and Isotope Geochemistry–Implications for Further Exploration of Cenozoic and Pre-Cenozoic Objectives. *Proceeding Indonesian Petroleum Association, 40th Annual Convention & Exhibition, Jakarta*, p. 1630-1656
- Siemons, N., & Busch, A. (2007). Measurement and interpretation of supercritical CO₂ sorption on various coals. *International Journal of Coal Geology*, v. 69.4, p. 229–242.
- Simandjuntak, TO.,1986. Sedimentology and Tectonics of the Collision Complex in the East Arm of Sulawesi, Indonesia. Unpubl. PhD Thesis RHBNC University of London, UK.
- Stach, E., Teichmuller, M., and Mackowsky, M., 1982, *Coal Petrology*, Gebrude Borntraeger, Berlin, p. 481.
- Surono. (2010). *Geologi Lengan Tenggara Sulawesi* (Publikasi Khusus). Badan Geologi, Kementerian Energi dan Sumber Daya Mineral, p. 17.
- Syahputra, G., Utomo, W., Rahman, A., 2019. Potensi Batuan Induk Formasi Salodik Pulau Peleng Bagian Barat, Cekungan Banggai. *Pusat Penelitian dan Pengembangan Teknologi Minyak dan Gas Bumi Lemigas*, v. 53. p. 97-109.
- Taylor, G.H., Teichmuller, M., Davis, A., Diesel, C.F.K., Littke, R., and Robert, P., 1998. *Organic Petrology*. Gebruder Borntraeger, Berlin-Stuttgart, p. 704.
- Tim *research* UGRG., 2024. Laporan Migas Non-Konvensional daerah Luwuk-Banggai. *Unconventional Geo-resources Research Group*.
- Thomas, L., 2002, *Coal Geology*, John Wiley dan Sons, Ltd., Chicester-England, p. 384.

- Tyson, R.V., 1993. Chapter 5: Palynofacies analysis. In: Jenkins, D.G. (Ed.), Applied Micropaleontology. Kluwer Academic Publishers. The Netherlands, Amsterdam, p. 153–191.
- Tyson, R.V., 1995. Sedimentary Organic Matter. Organic facies and palynofacies. Chapman and Hall, Londres, p. 615.
- U.S. Energy Information Administration & U.S. Geological Survey. 2012. *Technically recoverable shale oil and shale gas resources: An assessment of 137 shale formations in 41 countries outside the United States*. U.S. Department of Energy. <https://www.eia.gov/analysis/studies/worldshalegas/pdf/overview.pdf>
- Waples, D. W., 1985. Geochemistry in Petroleum Exploration, Boston: D. Reidel Publishing Company.
- Watkinson, I.M., Hall, R., and Ferdian, F., 2011, Tectonic re-interpretation of the Banggai-Sula–Molucca Sea margin, Indonesia: Geological Society, London, Special Publications, v. 355, p. 203–224.
- Winardi, S., Toha, B., Imron, M., and Amijaya, D.H., 2013. The Potential of Eocene Shale Nanggulan Formation as A Hydrocarbon Source Rock. Indonesian Journal of Geology, v. 8, p. 13-23.
- Xiao, H., Xie, N., Lu, Y., Cheng, T., & Dang, W. (2022). Experimental investigation of pore structure and its influencing factors of marine-continental transitional shales in southern Yan'an area, ordos basin, China. *Frontiers in Earth Science*, p. 10.
- Xie, W., Wang, M., Chen, S., Vandeginste, V., Yu, Z., dan Wang, H. (2022). Effects of gas components, reservoir property and pore structure of shale gas reservoir on the competitive adsorption behavior of CO₂ and CH₄. *Energy*, p. 254,
- Zhang, T., Ellis, G. S., Ruppel, S. C., Milliken, K., dan Yang, R. 2012. Effect of organic-matter type and thermal maturity on methane adsorption in shale-gas systems. *Organic geochemistry*, v. 47, p. 120-131.
- Zhang, T., Li, X., Yin, Y., He, M., Liu, Q., Huang, L., dan Shi, J. 2019. The transport behaviors of oil in nanopores and nanoporous media of shale, v. 242, p. 305-315.
- Zou, C., Dong, D., Wang, S., Li, J., Li, X., Wang, Y., dan Cheng, K. 2010. Geological characteristics and resource potential of shale gas in China. *Petroleum exploration and development*, v. 37.6, p. 641-653.
- Zou, C., Zhu, R., Tao, S., Hou, L., Yuan, X., Song, Y., Niau, J., Dong, D., Liu, S., Jiang, L., Wang, S., and Zhang, G., 2013. Unconventional Petroleum Geology. Elsevier, 225 Wyman Street, Waltham, MA02451, USA, p. 365.
- Zou, C. N., Dong, D. Z., Wang, Y. M., Li, J. Z., Li, X. X., Wang, S. J., dan Wang, H. F. 2019. Shale gas in China: Characteristics, challenges and prospects (II). *Petroleum Exploration and Development*, v. 46.6, p. 1086–1097.