

## DAFTAR PUSTAKA

- Ainsworth R. B., Vakarelov B. V., Nanson R. A., 2011, Dynamic spatial and temporal prediction of changes in depositional processes on clastic shorelines: toward improved subsurface uncertainty reduction and management. *AAPG Bulletin*. v. 95, p. 267-297
- Allen, G.P., dan Chambers, J.L.C., 1998, Sedimentation in the Modern and Miocene Mahakam Delta, Indonesian Petroleum Association 26th. v. 1, p. 79-89.
- Allen, J.R.L., 1994, A continuity-based sedimentological model for temperate-zone tidal salt marshes: *Journal of the Geological Society*, v. 151, p. 41-49, doi:10.1144/GSJGS.151.1.0041.
- Amiruddin, A., Suharno, dan Karyanto., 2019. Desain dan Realisasi Accelerometer Berbasis Arduino sebagai Instrumen Pendeteksi Mikrotremor. *Jurnal Geofisika Eksplorasi*. v. 5(3), p. 162-173. <https://doi.org/10.23960/jge.v5i3.31>
- Bachtiar. A., Setyobudi. P. T., Rozalli. M., Guritno. E., Subekti. A., Suandhi. P. A., Kriyuniyanto. A., 2015, Integrated Study Of The Depositional Environment, Structural Geology, Diagenesis, And Petroleum System Of The Tertiary At The Southern Border Of The Upper Kutai Basin. Indonesia Petroleum Association 39<sup>th</sup>. Jakarta.
- Bhattacharya. B., 2006, A Permo-Carboniferous Tide-Storm Interactive System: Talchir Formation, Raniganj Basin, India. *Journal of Asian Earth Sciences*, v. 27, p. 303-311. <http://dx.doi.org/10.1016/j.jseaes.2005.04.006>
- Blum, M.D. dan Törnqvist, T.E., 2000, Fluvial responses to climate and sea-level change: a review and look forward. *Sedimentology*, v. 47, p. 2-48. <https://doi.org/10.1046/j.1365-3091.2000.00008.x>
- Boggs Jr., S., 2006, Principles of Sedimentology and Stratigraphy. 4th Edition, Pearson Education Inc., Upper Saddle River, 662 p.
- Bridge, J., 2003, Rivers and Floodplains. *Wetlands*, v. 26, p. 283-289. [https://doi.org/10.1672/0277-5212\(2006\)26\[283:R\]2.0.CO;2](https://doi.org/10.1672/0277-5212(2006)26[283:R]2.0.CO;2)
- Bridge, J., 2006, Fluvial Facies Models: Recent Developments: Facies Models Revisited, v. 84, p. 85-170, doi:10.2110/pec.06.84.0085.
- Brown, L. F., Jr., dan Fisher, W. L., 1977, Seismic stratigraphic interpretation of depositional systems: examples from Brazilian rift and pull apart basins. *American Association of Petroleum Geologists Memoir*, v. 26, p. 213-248. <https://doi.org/10.1306/M26490C14>
- Bubnova. A., Ors. F., Rivoirard. J., Cojan. I., Romary. T., 2019, Automatic Determination of Sedimentary Units From Well Data. *Mathematical Geoscience*, v. 52, p. 213-231. <https://doi.org/10.1007/s11004-019-09793-w>

- Catuneanu, O., 2006, Sedimentology and Sequence Stratigraphy of Fluvial Deposits: A Tribute to Andrew Miall-Preface. *Sedimentary Geology*, v 190, p 1-5. <https://doi.org/10.1016/j.sedgeo.2006.05.004>
- Catuneanu, O., 2020, Sequence Stratigraphy. *Principle of Geologic Analysis*, v 1, p 605-686. <https://doi.org/10.1016/B978-0-444-64134-2.00021-3>
- Catuneanu, O., Galloway, W.E., Kendall, C.G.St.C., Miall, A.D., Posamentier, H.W., Strasser, A., dan Tucker, M.E., 2011, Sequence stratigraphy: methodology and nomenclature: *Newsletters on Stratigraphy*, v. 44, p. 173–245, <https://doi.org/10.1127/0078-0421/2011/0011>.
- Caumon, G., Collon, P., Le Carlier de Veslud, C., Viseur, S., dan Sausse, J., 2009, Surface-Based 3D Modeling of Geological Structures: *Mathematical Geosciences*, v. 41, p. 927–945, doi:10.1007/s11004-009-9244-2
- Chambers, J.L., dan Daley, T., 1997. A tectonic model for the onshore Kutai Basin, East Kalimantan. *Geological Society, London, Special Publications*, v. 126, p. 375 - 393. <https://doi.org/10.1144/GSL.SP.1997.126.01.23>
- Chopra, S., dan Marfurt, K.J., 2007, Seismic Attributes for Prospect Identification and Reservoir Characterization: Society of Exploration Geophysicists, Geophysical development series, <https://books.google.co.id/books?id=dP2iACuzq34C>.
- Collinson, J.D., 1969, The Sedimentology of the Grindslow Shales and Kinderscout Grit: A Deltaic Complex in the Namurian of Northern England. *Journal of Sedimentary Petrology*, v. 39, p. 194-221. <https://doi.org/10.1306/74D71C17-2B21-11D7-8648000102C1865D>
- Comunian, A., Renard, P., Straubhaar, J., dan Bayer, P., 2011, Three-dimensional high resolution fluvio-glacial aquifer analog—Part 2: Geostatistical modeling. *Journal of hydrology*, v. 405, p. 10-23. <https://doi.org/10.1016/j.jhydrol.2011.03.037>
- Deutsch, C. V. dan Tran, T. T, 2002, FLUVSIM: A Program for Object-Based Stochastic Modeling of Fluvial Depositional Systems. *Computers dan Geosciences*, v. 28, p. 525-535. [https://doi.org/10.1016/S0098-3004\(01\)00075-9](https://doi.org/10.1016/S0098-3004(01)00075-9).
- Falivene, O., Arbues, P., Gardiner, A., Pickup, G., Munoz, J. A., dan Cabrera, L., 2006, Best practice stochastic facies modeling from a channel-fill turbidite sandstone analog (the Quarry outcrop, Eocene Ainsa basin, northeast Spain). *AAPG bulletin*, v. 90(7), p. 1003-1029. <https://doi.org/10.1306/02070605112>
- Ferguson, A., dan McClay, K., 1997, Structural Modeling Within the Sanga Sanga PSC, Kutei Basin, Kalimantan: Its Application to Paleochannel Orientation Studies and Timing of Hydrocarbon Entrapment, in *Proceedings, Indonesian Petroleum Association 20<sup>th</sup>*, v. 1, p. 727–743.
- Fielding, C. R., 2010, Preservation of distributive vs. tributive and other fluvial

- system deposits in the rock record. American Geophysical Union. v. 38, p. 39-42
- Fisher, W.L., dan Middleton, G.V., 2019, Depositional systems and environments. AccessScience. <https://doi.org/10.1036/1097-8542.186800>.
- Galli. A., Beucher. H., LeLoc'h. G., Doligez. B., Heresim. G., 1994, The pros and cons of the truncated gaussian method. Simulations Geostatistical. Springer, Netherlands, Dordrecht, p. 217–233. <https://doi.org/10.1016/j.rse.2021.112381>
- Gibling, M.R., 2006, Width and Thickness of Fluvial Channel Bodies and Valley Fills in the Geological Record: A Literature Compilation and Classification: Journal of Sedimentary Research, v. 76, p. 731–770, doi:10.2110/JSR.2006.060.
- Godefroy, G., Caumon, G., Ford, M., Laurent, G., dan Jackson, C.A. -L., 2018, A Parametric Fault Displacement Model to Introduce Kinematic Control Into Modeling Faults from Sparse Data: Interpretation, v. 6, <https://api.semanticscholar.org/CorpusID:171777170>
- Goovaerts, P. (1997). Geostatistics for natural resources evaluation. Oxford University Press. 320 p
- Gorsel, J.V., 1988, Biostratigraphy in Indonesia: Methods, Pitfalls and New Directions. Indonesia Petroleum Association 17th. v 1, p 275-300
- Hall, R., dan Morley, C. K., 2004. Sundaland Basins. Geophysical Monograph Series, v. 149, p. 55-85, American Geophysical Union. <https://doi.org/10.1029/149GM04>
- Hall, R., dan Nichols, G., 2002. Cenozoic Sedimentation and Tectonics in Borneo: Climatic Influences on Orogenesis. Geological Society London Special Publications, v. 191, p. 5-22. <https://doi.org/10.1144/GSL.SP.2002.191.01.02>
- Hall. R., Clements. B., Smyth. H. R., Sundaland : Basement Character, Structure and Plate Tectonic Development. Indonesia Petroleum Association 33th.
- Hart, B.S., 2008, Channel Detection in 3-D Seismic Data Using Sweetness: AAPG Bulletin, v. 92, p. 733–742, doi:10.1306/02050807127
- Hoitink, A. J. F., Wang, Z. B., Vermeulen, B., Huismans, Y., dan Kästner, K., 2017, Tidal controls on river delta morphology. Nature Geoscience, v 10, p 637-645. <https://doi.org/10.1038/ngeo3000>
- James. N. P., dan Dalrymple. R. W., 2010, Facies Models 4. Geological Association of Canada. Canada. 275 p.
- Journel, A.G. dan Alabert, F., 1988, Focusing on spatial connectivity of extreme-values attributes: Stochastic Indicator models of reservoir heterogeneities. AAPG Bulletin, v. 73, p 334-358

- Journel, A.G. dan Huijbregts, C.J., 1978, Mining Geostatistics. Academic Press, London, 600 p.
- Journel. A. G. dan Zhang. T., 2006, The Necessity of a Multiple-Point Prior Model. *Mathematical Geology*, v. 38, 2006, p. 591-610. <https://doi.org/10.1007/s11004-006-9031-2>
- Kendall. C., 2003, Use of well logs for sequence stratigraphic interpretation of the subsurface. USC Sequence Stratigraphy Web. University of South Carolina.
- Lafont, F., 2003, "Sedimentary Geology: From Depositional Sequences to Reservoirs" in "Lower Kutai Basin Synthesis", TEPI Internal Report.
- Le Loc'h, G., dan Galli, A., 1997, Truncated plurigaussian method: theoretical and practical points of view. *Geostatistics wollongong*, v. 96, p. 211-222. <https://doi.org/10.1306/1063810CA53226>
- Leeder, M., 1973, Sedimentology and palaeogeography of the Upper Old Red Sandstone in the Scottish Border Basin: *Scottish Journal of Geology*, v. 9, p. 117-144, <https://doi.org/10.1144/SJG09020117>.
- Mallet, J.L. 2002, *Geomodeling*. Oxford University Press, Oxford. 624 p.
- Mariethoz, G. dan Caers, J., 2014, *Multiple-Point Geostatistics: Stochastic Modeling with Training Images*. Blackwell publishing. 361 p.
- Matheron, G., Beucher. H., de Fouquet. C., Galli. A., Guerillot. D., Ravenne. C., 1987, Conditional Simulation of the Geometry of Fluvio-Deltaic Reservoirs. <https://doi.org/10.2118/16753-MS>
- Miall, A.D., 1996, *The Geology of Fluvial Deposits* 1<sup>st</sup> ed. Springer, Berlin, 582 p.
- Miall, A.D., 2006, *The Geology of Fluvial Deposits* 2<sup>nd</sup> ed: *Sedimentary Facies, Analysis and Petroleum Geology. Ecology and Applications of Benthic Foraminifera*. Cambridge University Press, New York, 426 p.
- Miall, A. D., 2010, *The geology of stratigraphic sequences*, Second edition: Springer-Verlag, Berlin, 522 p.
- Miall, A. D., 2013, *The Geology of Fluvial Deposits* 3<sup>rd</sup> ed: *Sedimentary Facies, Basin Analysis, and Petroleum Geology*. Springer, Berlin, 342 p.
- Miall, A.D., 2014, *Fluvial Depositional Systems*. Springer International Publishing, 316 p.
- Nichols, G., 2009, *Sedimentology and Stratigraphy*. Blackwell Science Ltd., London, 335 p.
- Orton, G. J., Reading, H. G., 1993, Variability of deltaic processes in terms of sediment supply, with particular emphasis on grain size. *Sedimentology*, v. 40, p. 475-512 .doi:10.1111/j.1365-3091.1993.tb01347.x
- Posamentier, H.W. dan Allen, G.P., 1999, *Siliciclastic Sequence Stratigraphy*:

- Concepts and Applications. Society for Sedimentary Geology, v. 7, <https://doi.org/10.2110/csp.99.07>
- Posamentier, H.W. dan Allen, G.P., 1993, Variability of the Sequence Stratigraphic Model: Effects of Local Basin Factors. *Sedimentary Geology*, v. 86, p. 91-109. [https://doi.org/10.1016/0037-0738\(93\)90135-R](https://doi.org/10.1016/0037-0738(93)90135-R)
- Pyrcz, M.J., dan Deutsch, C. V., 2014, Geostatistical Reservoir Modeling:, <https://doi.org/10.1007/s11004-015-9588-8>
- Ramaekers, G., dan Deutsch, C. V., 2009, Improved reservoir characterization using vertical proportion curves and truncated Gaussian simulation: Case study from the Alberta Basin, Canada. *Mathematical Geosciences*, v. 41, p. 857-873
- Remy, N., Boucher, A., dan Wu, J., 2009, Applied geostatistics with SGeMS: A user's guide. Cambridge University Press. 254 p.
- Rider, M. (1996) *The Geological Interpretation of Well Logs*. 2nd Edition, Rider-French Consulting Ltd., Sucherland, 290 p.
- Rizal. F., Nugroho. D., Sumintadireja., P., 2023. Pendekatan Terintegrasi dalam Pemodelan Fasies Reservoir D-10 Struktur NKL, Lapangan Sanga Sanga, Cekungan Kutai, Indonesia. *Bulletin of Geology*. v. 7, p. 1227-1237
- Roberts, H.H. dan Sydow, J., 2003. Late Quarternary Stratigraphy and Sedimentology of the Offshore Mahakam Delta, East Kalimantan (Indonesia). <https://doi.org/10.2110/pec.03.76.0125>
- Saller, A. H., Lin, R., dan Dunham, J., 2006, Leaves in turbidite sands: The main source of oil and gas in the deep-water Kutei Basin, Indonesia. *AAPG Bulletin*, v. 90, p. 1585– 1608. <https://doi.org/10.1306/04110605127>
- Satjana. A. H., Nugroho. D., Surantoko., 1999. Tectonic Controls On The Hydrocarbon Habitats Of The Barito, Kutei, And Tarakan Basins, Eastern Kalimantan, Indonesia: Major Dissimilarities In Adjoining Basins. *Asian Earth Science*, v. 17, p. 99-122
- Seilacher, A., 1967, Bathymetry of trace fossils: *Marine Geology*, v. 5, p. 413–428, doi:10.1016/0025-3227(67)90051-5.
- Selley, R.C., 1976, An Introduction to Sedimentology. *Geological Magazine*, Academic Press, London. v. 113, p. 491-492. <https://doi.org/S0016756800050834>
- Selley, R.C., 2013, Ancient sedimentary environments and their sub-surface diagnosis: Routledge, doi:10.4324/9780203059845.
- Shanley, K.W., dan McCabe, P.J., 1994), Perspectives on the Sequence Stratigraphy of Continental Strata. *AAPG Bulletin*, v. 78, p. 544-568. <https://doi.org/10.1306/BDF9258-1718-11D7-8645000102C1865D>

- Stern, D., Leckie, D. A., dan Suter, J. R. (2017). Application of geostatistical techniques to model heterogeneity in fluvial reservoirs: A case study from the McMurray Formation, Canada. *AAPG Bulletin*, v. 101(5), p. 741-764. <https://doi.org/10.1306/12291616060>
- Susilohadi, S., Gaedicke, C. dan Ehrhardt, A., 2005. Neogene structures and sedimentation history along the Sunda forearc basins off southwest Sumatra and southwest Java. *Marine Geology*. v. 219, p. 133– 154. <https://doi.org/10.1016/j.margeo.2005.05.001>
- Yoga, T.Y., 2024, Facies-based Reservoir Modeling For Unveiling Hydrocarbon Reservoir Complexity In The Miocene Mahakam Delta : A Comprehensive Sedimentological Analysis, in PIT IAGI BALIKPAPAN 2024,.
- Tissot, B.P. dan Welte, D.H., 1984. *Petroleum Formation and Occurrence*. 2nd Edition, Springer-Verlag, Berlin, 699 p.
- Tucker, M.E., 2003, *Sedimentary Rocks in the Field*. 3rd Edition, John Willey and Sons Ltd., Chichester, 236 p.
- Vail, P.R., Hardenbol. J., Todd. R.G., 1984. Jurassic Unconformities, Chronostratigraphy, and Sea-Level Changes from Seismic Stratigraphy and Biostratigraphy. *American Association of Petroleum Geologists*. v. 36, p. 241 - 263. <https://doi.org/10.1306/M36440C10>
- Van Wagoner, J.C., Mitchum, R. M., Campion K. M. and Rahmanian, V.D., 1990, Siliciclastic Sequence Stratigraphy in Well Logs, Cores, and Outcrops. *American Association of Petroleum Geologists. Methods in Exploration Series*, v. 7, p. 55-85. <https://doi.org/10.1306/Mth7510>
- Van Wagoner, J.C., Posamentier, H.W., Mitchum, R.M., Vail, P.R., Sarg, J.F., Loutit, T.S., and Hardenbol, J., 1988, An Overview of the Fundamentals of Sequence Stratigraphy and Key Definitions, in *Special Publications of SEPM*, <https://doi.org/10.2110/PEC.88.01.0039>.
- Walker, R.G. dan James, N.P., 1992, *Facies Models: Response to Sea Level Change*. Geological Association of Canada, St. John's.
- Zaitlin, B.A., Dalrymple, R.W., and Boyd, R., 1994, The Stratigraphic Organization of Incised-Valley Systems Associated with Relative Sea-Level Change, in *Special Publications of SEPM*, <https://doi.org/10.2110/PEC.94.12.0045>.