

DAFTAR PUSTAKA

- Allen, G.P., dan Chambers, J.L.C., 1998, Sedimentation in the modern and Miocene Mahakam delta: Jakarta, Indonesian Petroleum Association, h. 79–80.
- Allen, G.P., Laurier, D., dan Thouvenin, J., 1977, Sediment distribution patterns in the modern Mahakam delta, *dalam* Proceedings Indonesian Petroleum Association, Indonesian Petroleum Association, h. 159–178.
- Amstrong, H.A., dan Brasier, M.D., 2005, Microfossils: Malden, Blackwell Publishing, h. 1–296.
- Van Den Bergh, G.D., Boer, W., De Haas, H., Van Weering, T.C.E., dan Van Wijhe, R., 2003, Shallow marine tsunami deposits in Teluk Banten (NW Java, Indonesia), generated by the 1883 Krakatau eruption: Marine Geology, v. 197, h. 13–34, doi:10.1016/S0025-3227(03)00088-4.
- Bergman, S.C., Coffield, D.Q., Talbot, J.E., dan Garrard, R.A., 1996, Tectonic Evolution of Southeast Asia: Geological Society Special Publication, h. 391–429, <http://sp.lyellcollection.org/Downloadedfrom>.
- Blott, S.J., dan Pye, K., 2001, Gradistat: A grain size distribution and statistics package for the analysis of unconsolidated sediments: Earth Surface Processes and Landforms, v. 26, h. 1237–1248, doi:10.1002/esp.261.
- Boggs, S., 2014, Principles of sedimentology and stratigraphy: Harlow, Pearson Education Limited, h. 261–277.
- Brackenridge, R.E., Nicholson, U., Sapiie, B., Stow, D., dan Tappin, D.R., 2020, Indonesian throughflow as a preconditioning mechanism for submarine landslides in the makassar strait: Geological Society Special Publication, v. 500, h. 195–217, doi:10.1144/SP500-2019-171.
- Bradley, R.S., 2015a, Paleoclimatology: Reconstructing Climates of the Quaternary, *dalam* Paleoclimatology: Reconstructing Climates of the Quaternary, Oxford, Elsevier, h. 196–197.
- Bradley, R.S., 2015b, Paleoclimatology: Reconstructing Climates of the Quaternary: Oxford, Elsevier Inc., h. 1–675.
- Burollet, P.F., Boichard, R., Lambert, B., and Villain, J.M., 1986, The Pater Noster Carbonate Platform, *dalam* Indonesian Petroleum Association 15th Annual Convention Proceedings, IPA, p. 155–169.
- Canfield, D.E., 1994, Factors influencing organic carbon preservation in marine sediments: Chemical Geology, v. 114, h. 315–329.
- Caratini, C., dan Tissot, C., 1988, Paleogeographical evolution of the Mahakam delta in Kalimantan, Indonesia during the Quaternary and late Pliocene: Review of Palaeobotany and Palynology, v. 55, p. 217–228.
- Chester, R., 1990, Marine Geochemistry: London, Unwin Hyman, h. 441–467.
- Cloke, I.R., Milsom, J., dan Blundell, D.J.B., 1999, Implications of gravity data from East Kalimantan and the Makassar Straits: a solution to the origin of the Makassar Straits? Journal of Asian Earth Sciences, v. 17, h. 61–78.
- Daly, M.C., Cooper, M.A., Wilson, I., Smith, D.G., dan Hooper, B.G.D., 1991, Cenozoic plate tectonics and basin evolution in Indonesia: Marine and Petroleum Geology, v. 8, h. 1–21.
- Dekov, V.M., Van Put, A., Eisma, D., dan Van Grieken, R., 1999, Single particle analysis of suspended matter in the Makasar Strait and Flores Sea with particular reference to tin-bearing particles.:

- Depuydt, P., Barras, C., Toucanne, S., Fossile, E., dan Mojtahid, M., 2023, Implication of size fraction on benthic foraminiferal-based paleo-reconstructions: A case study from the Bay of Biscay (NE Atlantic): *Marine Micropaleontology*, v. 181, h. 102242.
- Dypvik, H., dan Harris, N.B., 2001, Geochemical facies analysis of fine-grained siliciclastics using Th/U, Zr/Rb and (Zr+Rb)/Sr ratios: *Chemical Geology*, v. 181, h. 131–146.
- Eglinton, T.I., dan Eglinton, G., 2008, Molecular proxies for paleoclimatology: *Earth and Planetary Science Letters*, v. 275, h. 1–16, doi:10.1016/j.epsl.2008.07.012.
- Eisma, D., Kalf, J., Karmini, M., Mook, W.G., Van Put, A., Bernard, P., dan Van Grieken, R., 1989, Dispersal of Suspended Matter in Makassar Strait and the Flores Basin: *Netherlands Journal of Sea Research*, v. 24, h. 383–398.
- Fan, W., Jian, Z., Chu, Z., Dang, H., Wang, Y., Bassinot, F., Han, X., dan Bian, Y., 2018, Variability of the Indonesian Throughflow in the Makassar Strait over the Last 30 ka: *Scientific Reports*, v. 8, doi:10.1038/s41598-018-24055-1.
- Fieux, M., Andrie, C., Charriaud, E., Ilahude, A.G., Metzl, N., Molcard, R., dan Swallow, J.C., 1996, Hydrological and Chlorofluoromethane Measurements of the Indonesian Throughflow Entering the Indian Ocean: *Journal of Geophysical Research*, v. 101, h. 12433–12454.
- Folk, R.K., 1968, *Petrology of Sedimentary Rocks*: Austin, Hemphill Publishing Company, h. 170.
- Folk, R.L., dan Ward, W.C., 1957, Brazos River Bar: A Study in the Significance of Grain Size Parameters: *Journal of Sedimentary Petrology*, v. 27, h. 3–26.
- Fralick, P.W., dan Kronberg, B.I., 1997, Geochemical discrimination of elastic sedimentary rock sources: *Sedimentary Geology*, v. 113, h. 111–124.
- Fried, G.M., 1962, Comparison of Moment Measures for Sieving and Thin-Section Data in Sedimentary Petrological Studies : *Journal of Sedimentary Research*, v. 32, h. 15–25.
- Lo Giudice Cappelli, E., Holbourn, A., Kuhnt, W., dan Regenberg, M., 2016, Changes in Timor Strait hydrology and thermocline structure during the past 130 ka: *Palaeogeography, Palaeoclimatology, Palaeoecology*, v. 462, h. 112–124, doi:10.1016/j.palaeo.2016.09.010.
- Gooday, A.I., 2003, Benthic Foraminifera (Protista) as Tools in Deep-water Palaeoceanography: Environmental Influences on Fauna Characteristics: *Advances in Marine Geology*, v. 46, h. 1–90.
- Gordon, A.L., dan Fine, R.A., 1996, Pathways of Water Between the Pacific and Indian Oceans in the Indonesian Seas : *Nature*, v. 379, h. 146–149.
- Gordon, A.L., Susanto, R.D., Ffield, A., Huber, B.A., Pranowo, W., dan Wirasantosa, S., 2008, Makassar Strait throughflow, 2004 to 2006: *Geophysical Research Letters*, v. 35, doi:10.1029/2008GL036372.
- Guntoro, A., 1999, The formation of the Makassar Strait and the separation between SE Kalimantan and SW Sulawesi: *Journal of Asian Earth Sciences*, v. 17, h. 79–98.
- Hall, R., Ali, J.R., Anderson, C.D., dan Baker, S.J., 1995, Origin and motion history of the Philippine Sea Plate.:
- Hall, R., Cloke, I.R., Nur'aini, S., Puspita, S.D., Calvert, S.J., dan Elders, C.F., 2009, The North Makassar Straits: What lies beneath? *Petroleum Geoscience*, v. 15, h. 147–158, doi:10.1144/1354-079309-829.
- Hanebuth, T., Statterger, K., dan Grootes, P.M., 2000, Rapid flooding of the Sunda Shelf: A late-glacial sea-level record: *Science*, v. 288, h. 1033–1035, doi:10.1126/science.288.5468.1033.

- Hein, J.R., Mizell, K., Koschinsky, A., dan Conrad, T.A., 2013, Deep-ocean mineral deposits as a source of critical metals for high- and green-technology applications: Comparison with land-based resources: *Ore Geology Reviews*, v. 51, h. 1–14, doi:10.1016/j.oregeorev.2012.12.001.
- Hendrizan, M., Kuhnt, W., dan Holbourn, A., 2017, Variability of Indonesian Throughflow and Borneo Runoff During the Last 14 kyr: *Paleoceanography*, v. 32, h. 1054–1069, doi:10.1002/2016PA003030.
- Hendrizan, M., Kuhnt, W., Holbourn, A., Cahyarini, S.Y., dan Ningsih, N.S., 2023, Kalimantan hydroclimate variability since the last glacial period: *International Journal of Earth Sciences*, v. 112, h. 615–629, doi:10.1007/s00531-022-02266-2.
- Inman, D.L., 1952, Measures for describing the size distribution of sediments: *Journal of Sedimentary Research*, v. 22, h. 125–145.
- Jain, S., 2020, *Fundamentals of Invertebrate Palaeontology: Microfossils*: New Delhi, Springer Nature India Private Limited, 1–323 p.
- Johansen, K.B., Maingarm, S., dan Pichard, A., 2007, Hydrocarbon potential of the South Makassar Basin, *dalam* Proceedings of the 2007 South East Asia Petroleum Exploration Society (SEAPEX) Conference, Singapore, Southeast Asia Petroleum Exploration Society (SEAPEX), h. 1–45.
- Kopp, H., Flueh, E.R., Petersen, C.J., Weinrebe, W., Wittwer, A., dan Scientists, M., 2006, The Java margin revisited: Evidence for subduction erosion off Java: *Earth and Planetary Science Letters*, v. 242, h. 130–142, doi:10.1016/j.epsl.2005.11.036.
- Krumbein, W.C., 1934, Size Frequency Distributions of Sediments: *Journal of Sedimentary Petrology*, v. 4, h. 65–77.
- Krumbein, W.C., dan Pettijohn, F.C., 1938, *Manual of Sedimentary Petrography: I Sampling, Preparation for Analysis, Mechanical Analysis and Statistical Analysis*: California, University of California, v. 1.
- Kuhnt, W., Holbourn, A., Hall, R., Zuvella, M., dan Käse, R., 2004, Neogene history of the Indonesian throughflow, *in* *Geophysical Monograph Series*, Blackwell Publishing Ltd, v. 149, h. 299–320, doi:10.1029/149GM16.
- Langer, M.R., dan Hottinger, L., 2000, Biogeography of Selected “Larger” Foraminifera: *Micropaleontology*, v. 46, h. 105–126.
- Ledbetter, M.T., 1986, A Late Pleistocene Time-Series of Bottom-Current Speed in the Vema Channel: *Palaeogeography, Palaeoclimatology, Palaeoecology*, v. 53, h. 97–105.
- Liu, J.T., Huang, J.-S., Hsu, R.T., dan Chyan, J.-M., 2000, The coastal depositional system of a small mountainous river: a perspective from grain-size distributions: *Marine Geology*, v. 165, h. 63–68.
- Liu, Z., Wang, H., Hantoro, W.S., Sathiamurthy, E., Colin, C., Zhao, Y., dan Li, J., 2012, Climatic and tectonic controls on chemical weathering in tropical Southeast Asia (Malay Peninsula, Borneo, and Sumatra): *Chemical Geology*, v. 291, h. 1–12, doi:10.1016/j.chemgeo.2011.11.015.
- Ludwikowska-Kędzia, M., 2000, Ewolucja środkowego odcinka doliny rzeki Belnianki w późnym glacie i holocenie [Evolution of the middle segment of the Belnianka River valley in the Late Glacial and Holocene].: Warsaw, Dialog Press, h. 180.
- Magnier, P., Oki, T., dan Kaartadiputra, L.W., 1975, The Mahakam delta, Kalimantan, Indonesia, *dalam* Proceedings 9th World Petroleum Congress, Tokyo, Proceedings 9th World Petroleum Congress, h. 239–250.

- Malvern Instruments, 2007, Mastersizer 2000 User Manual: Malvern, Malvern Instruments.
- Martinez-Ruiz, F., Kastner, M., Gallego-Torres, D., Rodrigo-Gámiz, M., Nieto-Moreno, V., dan Ortega-Huertas, M., 2015, Paleoclimate and paleoceanography over the past 20,000yr in the Mediterranean Sea Basins as indicated by sediment elemental proxies: *Quaternary Science Reviews*, v. 107, p. 25–46, doi:10.1016/j.quascirev.2014.09.018.
- Mayer, B., dan Damm, P.E., 2012, The Makassar Strait throughflow and its jet: *Journal of Geophysical Research: Oceans*, v. 117, doi:10.1029/2011JC007809.
- McCave, I.N., dan Hall, I.R., 2006, Size sorting in marine muds: Processes, pitfalls, and prospects for paleoflow-speed proxies: *Geochemistry, Geophysics, Geosystems*, v. 7, doi:10.1029/2006GC001284.
- Mccave, I.N., Manighetti, B., dan Robinson, S.G., 1995, Sortable silt and fine sediment size/composition slicing: Parameters for palaeocurrent speed and palaeoceanography: *Paleoceanography*, v. 10, h. 593–610.
- Mclaren, P., 1981, An Interpretation of Trends in Grain Size Measures: *Journal of Sedimentary Petrology*, v. 51, h. 611–624.
- McManus, J., 1988, Grain Size Determination and Interpretation, *dalam* Trucker, M.E. ed., *Techniques in Sedimentology*, Oxford, Backwell, h. 63–85.
- Milliman, J.D., dan Farnsworth, K.L., 2011, *River discharge to the coastal ocean: A global synthesis*: Cambridge, Cambridge University Press.
- Mycielska-Dowgiało, E., dan Ludwikowska-Kędzia, M., 2011, Alternative Interpretations of Grain-Size Data from Quaternary Deposits: *Geologos*, v. 17, h. 189–203.
- Nichols, G., 2009, *Sedimentology and Stratigraphy*: Chichester, West Sussex, John Wiley and Sons, h. 24–27.
- Nugroho, S.H., dan Basit, A., 2014, Sebaran Sedimen Berdasarkan Analisis Ukuran Butir di Teluk Weda, Maluku Utara: *Jurnal Ilmu dan Teknologi Kelautan Tropis*, v. 6, h. 229–240.
- Passega, R., 1964, Grain Size Representation by CM Patterns as a Geologic Tool: *Journal of Sedimentary Research*, v. 34, h. 830–847.
- Passega, R., dan Byramjee, R., 1969, Grain-Size Image of Clastic Deposits: *Sedimentology*, v. 13, h. 233–252.
- Peerson, G.A., dan Simarmata, R., 2014, Undoing ‘marginality’: The islands of the Mahakam Delta, East Kalimantan (Indonesia): *Journal of Marine and Island Cultures*, v. 3, h. 43–53.
- Poizot, E., Méar, Y., dan Biscara, L., 2008, Sediment Trend Analysis through the variation of granulometric parameters: A review of theories and applications: *Earth-Science Reviews*, v. 86, h. 15–41, doi:10.1016/j.earscirev.2007.07.004.
- Posamentier, H.W., Meizarwin, Wisman, P.S., dan Plawman, T., 2000, Deep Water Depositional Systems—Ultra-Deep Makassar Strait, Indonesia, *in* *Deep-Water Reservoirs of the World*, Houston, SEPM Society for Sedimentary Geology, v. 20, h. 806–816.
- Prasetya, G.S., De Lange, W.P., dan Healy, T.R., 2001, The Makassar Strait Tsunamigenic Region, Indonesia: *Natural Hazards*, v. 24, h. 295–307.
- Purnawan, S., Setiawan, I., dan Marwantim, 2012, Studi sebaran sedimen berdasarkan ukuran butir di perairan Kuala Gigieng, Kabupaten Aceh Besar, Provinsi Aceh : *DEPIK*, v. 1, h. 31–36.

- Puspita, S.D., Hall, R., dan Elders, C.F., 2005, Structural Styles of The Offshore West Sulawesi Fold Belt, North Makassar Straits, Indonesia, *dalam* Proceedings, Indonesian Petroleum Association, h. 519–542.
- Putra, T.W.L., Kunarso, dan Kuswardani, A.R.T.D., 2020, Distribusi Suhu, Salinitas dan Densitas di Lapisan Homogen dan Termoklin Perairan Selat Makassar: Indonesian Journal of Oceanography, v. 2, h. 1–11.
- Rajput, S., dan Thakur, N.K., 2016, Geological controls for gas hydrates and unconventional: Amsterdam, Elsevier, h. 77–86.
- Rex, M.A., dan Etter, R.J., 2010, Deep-Sea Biodiversity: Pattern and Scale: Cambridge, Harvard University Press, h. 354.
- Roberts, H.H., dan Sydow, J., 2003, Late Quaternary Stratigraphy and Sedimentology of the Offshore Mahakam Delta, East Kalimantan (Indonesia), *dalam* Tropical Deltas of Southeast Asia—Sedimentology, Stratigraphy, and Petroleum Geology, Tulsa, SEPM Society for Sedimentary Geology, v. 76, h. 125–145.
- Rothwell, R.G., dan Croudace, I.W., 2015, Micro-XRF Studies of Sediment Cores: Applications of a non-destructive tool for the environmental sciences, *dalam* Croudace, I.W. and Rothwell, R.G. eds., Micro-XRF studies of sediment cores: perspective on capability and application in the environmental sciences, Dordrecht, Springer Science+Business Media, v. 17, h. 25–100.
- Saller, A., dan Dharmasamadhi, I.N.W., 2012, Controls on the development of valleys, canyons, and unconfined channel-levee complexes on the Pleistocene Slope of East Kalimantan, Indonesia: Marine and Petroleum Geology, v. 29, h. 15–34, doi:10.1016/j.marpetgeo.2011.09.002.
- Sassi, M.G., Hoitink, A.J.F., De Brye, B., Vermeulen, B., dan Deleersnijder, E., 2011, Tidal impact on the division of river discharge over distributary channels in the Mahakam Delta: Ocean Dynamics, v. 61, h. 2211–2228, doi:10.1007/s10236-011-0473-9.
- Situmorang, B., 1982, The formation and evolution of the Makassar Basin, Indonesia: University of London.
- Sprintall, J., dan Révelard, A., 2014, The Indonesian Throughflow response to Indo-Pacific climate variability: Journal of Geophysical Research: Oceans, v. 119, h. 1161–1175, doi:10.1002/2013JC009533.
- Storms, J.E.A., Hoogendoorn, R.M., Dam, R.A.C., Hoitink, A.J.F., dan Kroonenberg, S.B., 2005, Late-Holocene evolution of the Mahakam delta, East Kalimantan, Indonesia: Sedimentary Geology, v. 180, h. 149–166, doi:10.1016/j.sedgeo.2005.08.003.
- Sya'rani, L., dan Hariadi, 2006, Penentuan Sumber Sedimen Dasar Perairan: I. Berdasarkan Analisis Minerologi dan Kandungan Karbonat: Ilmu Kelautan, v. 11, h. 37–43.
- Taylor, S.R., 1965, The application of trace element data to problems in petrology, *dalam* Ahrens, L.A., Press, F., Runcorn, S.K., dan Urey, C. eds., Physics and Chemistry of the Earth, Oxford, Pergamon, h. 6, p. 135–213.
- Tillinger, D., 2011, Physical oceanography of the present day Indonesian Throughflow: Geological Society Special Publication, v. 355, h. 267–281, doi:10.1144/SP355.13.
- Trevena, A.S., Partono, Y.J., dan Clark, T., 2003, Reservoir heterogeneity of Miocene–Pliocene deltaic sandstones at Attaka and Serang field, Kutei basin, offshore East Kalimantan, Indonesia, *dalam* Tropical Deltas of Southeast Asia; Sedimentology, Stratigraphy, and Petroleum Geology, SEPM Special Publication, v. 76, h. 235–254.
- Trujillo, A.P., dan Thurman, H. V., 2017, Ocean Circulation, *in* Essentials of Oceanography, London, Pearson Education, h. 211.

Weltje, G.J., dan von Eynatten, H., 2004, Quantitative Provenance Analysis of Sediments: Review and Outlook: *Sedimentary Geology*, v. 171, h. 1–11.

Wentworth, C.K., 1922, A Scale of Grade and Class Terms for Clastic Sediments: *The Journal of Geology*, v. 30, h. 377–392.

Wyrтки, K., 1987, Indonesian through flow and the associated pressure gradient: *Journal of Geophysical Research*, v. 92, h. 12941, doi:10.1029/jc092ic12p12941.

Wyrтки, K., 1961, *Physical Oceanography of the Southeast Asian Waters.*: