



DAFTAR PUSTAKA

- Amos, C. L., Kassem, H., & Friend, P. L. (2017). *Ripple Marks* (pp. 1–8).
https://doi.org/10.1007/978-3-319-48657-4_262-2
- Ardhyastuti, S., Husein, S., Muljawan, D., Haryadi, Y., Wiguna, T., Febriawan, H. K., Putra, A. P., Tohari, A., Marcino, A. R. R. I., Nugroho, A. B., & Sudaryanto, A. (2023). Seabed morphology characterization for Indonesian cable-based tsunami route in Cilacap Segment, Indonesia. *IOP Conference Series: Earth and Environmental Science*, 1148(1). <https://doi.org/10.1088/1755-1315/1148/1/012009>
- Audsley, A., Bradwell, T., Howe, J. A., & Baxter, J. M. (2019). Distribution and classification of pockmarks on the seabed around western Scotland. *Journal of Maps*, 15(2), 807–817. <https://doi.org/10.1080/17445647.2019.1676320>
- Bergman, S. C., Coffield, D. Q., Talbot, J. P., & Garrard, R. A. (1996). Tertiary Tectonic and magmatic evolution of western Sulawesi and the Makassar Strait, Indonesia: Evidence for a Miocene continent-continent collision. *Geological Society Special Publication*, 106, 391–429.
<https://doi.org/10.1144/GSL.SP.1996.106.01.25>
- Braathen, A., & Brekke, H. (2020). *Characterizing the Seabed : a Geoscience Perspective*. <https://doi.org/10.1163/9789004391567>
- Brackenridge, R. E., Nicholson, U., Sapiie, B., Stow, D., & Tappin, D. R. (2020). Indonesian throughflow as a preconditioning mechanism for submarine landslides in the makassar strait. *Geological Society Special Publication*, 500(1), 195–217.
<https://doi.org/10.1144/SP500-2019-171>
- Burguera, A., & Oliver, G. (2016). High-resolution underwater mapping using Side-Scan Sonar. *PLoS ONE*, 11(1), 1–41.
<https://doi.org/10.1371/journal.pone.0146396>
- Chen, J., Song, H., Guan, Y., Yang, S., Pinheiro, L. M., Bai, Y., Liu, B., & Geng, M. (2015a). Morphologies, classification and genesis of pockmarks, mud volcanoes and associated fluid escape features in the northern Zhongjiannan Basin, South China Sea. *Deep-Sea Research Part II: Topical Studies in Oceanography*, 122, 106–117. <https://doi.org/10.1016/j.dsr2.2015.11.007>
- Chen, J., Song, H., Guan, Y., Yang, S., Pinheiro, L. M., Bai, Y., Liu, B., & Geng, M. (2015b). Morphologies, classification and genesis of pockmarks, mud volcanoes and associated fluid escape features in the northern Zhongjiannan Basin, South China Sea. *Deep-Sea Research Part II: Topical Studies in Oceanography*, 122, 106–117. <https://doi.org/10.1016/j.dsr2.2015.11.007>



Chesapeake Technology. (2020, July 18). *Seafloor Multiple Reflections in Sub-bottom Profiles* | Chesapeake Technology. Chesapeake Times.

<https://chesapeaketech.com/seafloor-multiple-reflections-in-sub-bottom-profiles/#>

Chiocci, F. L., Cattaneo, A., & Urgeles, R. (2011). Seafloor mapping for geohazard assessment: State of the art. In *Marine Geophysical Research* (Vol. 32, Issue 1, pp. 1–11). <https://doi.org/10.1007/s11001-011-9139-8>

Dignan, J., Hayward, M. W., Salmanidou, D., Heidarzadeh, M., & Guillas, S. (2023). Probabilistic Landslide Tsunami Estimation in the Makassar Strait, Indonesia, Using Statistical Emulation. *Earth and Space Science*, 10(8).
<https://doi.org/10.1029/2023EA002951>

Dove, D., Bradwell, T., Carter, G., Cotterill, C., Gafeira Goncalves, J., Green, S., Krabbendam, M., Mellett, C., Stevenson, A., Stewart, H., Westhead, K., Scott, G., Guinan, J., Judge, M., Monteys, X., Elvenes, S., Baeten, N., Dolan, M., Thorsnes, T., ... Ottesen, D. (2016). Seabed geomorphology: a two-part classification system. *British Geological Survey, OR/16/001*.

Gerard, J., & Oesterle, H. (1973). *FACIES STUDY OF THE OFFSHORE MAHAKAM AREA*.

Guntoro, A. (1999). The formation of the Makassar Strait and the separation between SE Kalimantan and SW Sulawesi. *Journal of Asian Earth Sciences*, 17(1–2), 79–98. [https://doi.org/10.1016/S0743-9547\(98\)00037-3](https://doi.org/10.1016/S0743-9547(98)00037-3)

Hall, R., Cloke, I. R., Nur'aini, S., Puspita, S. D., Calvert, S. J., & Elders, C. F. (2009). The North Makassar Straits: What lies beneath? *Petroleum Geoscience*, 15(2), 147–158. <https://doi.org/10.1144/1354-079309-829>

Hovland, M., & Judd, A. G. (1988). *Seabed Pockmarks and Seepages : Impact on Geology, Biology and the Marine Environment* (1st ed.). Graham and Trotman Limited.

Judd, A., & Hovland, M. (2007). Seabed fluid flow: The impact on geology, biology, and the marine environment. In *Seabed Fluid Flow: The Impact on Geology, Biology, and the Marine Environment*. Cambridge University Press.
<https://doi.org/10.1017/CBO9780511535918>

Kairyte, M., & Stevens, R. L. (2015). Composite methodology for interpreting sediment transport pathways from spatial trends in grain size: A case study of the Lithuanian coast. *Sedimentology*, 62(3), 681–696.
<https://doi.org/10.1111/sed.12156>

Kubalikova, L., Kirchner, K., Kuda, F., & Machar, I. (2019). The role of anthropogenic landforms in sustainable landscape management. *Sustainability (Switzerland)*, 11(16). <https://doi.org/10.3390/su11164331>



- Li, S., Zhao, J., Zhang, H., & Zhang, Y. (2022). Automatic Detection of Pipelines from Sub-bottom Profiler Sonar Images. *IEEE Journal of Oceanic Engineering*, 47(2), 417–432. <https://doi.org/10.1109/JOE.2021.3107609>
- McClay, K., Dooley, T., Ferguson, A., & Poblet, J. (2000). Tectonic Evolution of the Sanga Sanga Block, Mahakam Delta, Kalimantan, Indonesia. *AAPG Bulletin*, 84(6), 765–786.
- Michel, J., & Hansen, K. A. (2017). Sunken and Submerged Oil. *Oil Spill Science and Technology: Second Edition*, 731–758. <https://doi.org/10.1016/B978-0-12-809413-6.00013-8>
- Naryanto, S. (2021). *ANALISIS SUMBER TSUNAMI UNTUK PERTIMBANGAN PERENCANAAN JALUR KABEL INACBT DI SELAT MAKASSAR TSUNAMI SOURCE ANALYSIS FOR THE CONSIDERATION OF INACBT CABLE PLANNING IN MAKASSAR STRAIT* (Vol. 5, Issue 1).
- Nugraha, H. D., Jackson, C. A.-L., Johnson, H. D., & Hodgson, D. M. (2020). Lateral variability in strain along a mass-transport deposit (MTD) toewall: a case study from the Makassar Strait, offshore Indonesia Harya. *Journal of the Geological Society*, 30(357–358).
- Nur'Aini, S., Hall, R., & Elders, C. F. (2005). *Basement architecture and sedimentary fill of the North Makassar straits basin.* <https://doi.org/10.29118/ipa.1734.05.g.161>
- Ohata, K., Naruse, H., & Izumi, N. (2022). Upper and lower plane bed definitions revised. *Progress in Earth and Planetary Science*, 9(1). <https://doi.org/10.1186/s40645-022-00481-8>
- Pearce, B. (2018). *Recovery of Seabed Resources Following Marine Aggregate Extraction Science Monograph Series.* <https://doi.org/10.13140/RG.2.2.17345.40804>
- Pireno, G. E., & Darussalam, D. N. (2010). Petroleum System Overview of the Sebuku Block and the Surrounding Area: Potential as a New Oil and Gas Province in South Makassar Basin, Makassar Straits. *International Petroleum Association*.
- Prayetno, E., Ulinnuha, H., & Korespondensi, P. (2020). Pemanfaatan Citra Side Scan Sonar untuk Identifikasi Objek Bawah Laut Utilization Of Side Scan Sonar Images To Identification Underwater Objects. *JGISE*, 3(1). <https://doi.org/10.22146/jgise>
- Puspita, S. D., Hall, R., & Elders, C. F. (2005). *Structural styles of the offshore West Sulawesi fold belt, North Makassar straits, Indonesia. August*, 519–542. <https://doi.org/10.29118/ipa.1002.05.g.110>



- Roberts, H. H., & Sydow, J. (2003). Late Quaternary Stratigraphy and Sedimentology of the Offshore Mahakam Delta, East Kalimantan (Indonesia). In F. H. Sidi, D. Nummedal, P. Imbert, H. Darman, & H. W. Posamentier (Eds.), *Tropical Deltas of Southeast Asia—Sedimentology, Stratigraphy, and Petroleum Geology* (Vol. 76, p. 0). SEPM Society for Sedimentary Geology.
<https://doi.org/10.2110/pec.03.76.0125>
- Rogers, J. N., Kelley, J. T., Belknap, D. F., Gontz, A., & Barnhardt, W. A. (2006). Shallow-water pockmark formation in temperate estuaries: A consideration of origins in the western gulf of Maine with special focus on Belfast Bay. *Marine Geology*, 225(1–4), 45–62. <https://doi.org/10.1016/j.margeo.2005.07.011>
- Saleh, M. (2010). *Seabed classification using Sub-bottom profiler*. 109.
- Seibold, E., & Berger, W. (2017). *The Sea Floor*.
- Simons, D. B., Richardson, E. V, & Albertson, M. L. (1961). *Flume Studies Using Medium Sand (0.45 mm) Studies of Flow in Alluvial Channels*.
- Storms, J. E. A., Hoogendoorn, R. M., Dam, R. A. C., Hoitink, A. J. F., & Kroonenberg, S. B. (2005). Late-Holocene evolution of the Mahakam delta, East Kalimantan, Indonesia. *Sedimentary Geology*, 180(3–4), 149–166.
<https://doi.org/10.1016/j.sedgeo.2005.08.003>
- Sun, Q., Wu, S., Hovland, M., Luo, P., Lu, Y., & Qu, T. (2011). The morphologies and genesis of mega-pockmarks near the Xisha Uplift, South China Sea. *Marine and Petroleum Geology*, 28(6), 1146–1156.
<https://doi.org/10.1016/j.marpetgeo.2011.03.003>
- Sydow, J. C. (1996). *Holocene to Late Pleistocene Stratigraphy of the Mahakam Delta, Kalimantan, Indonesia*. [Dissertation]. Louisiana State Repository.
- Talif, M. (2017). *Analisis Data Multibeam Echosounder Dan Side Scan Sonar untuk Identifikasi Fitur Dasar Laut di Perairan Kepulauan Riau*.
- USF College of Marine Science. (2002). *Unit IV Deep-Sea Sediment Coring The Story of Deep-Sea Sediments Formation of Deep-Sea Sediments: - Google Search* (pp. 99–108).
- Vlad Lazar, A., Delia Bugheanu, A., & Viorel Ungureanu, G. (2013). Side-scan sonar mapping of anthropic influenced seafloor: a case study of Mangalia Harbour. *Geo-Eco-Marina*, 59–64. <https://doi.org/10.5281/zenodo.56843>
- Wessels, M., Bussmann, I., Schloemer, S., Schlüter, M., & Böder, V. (2010). Distribution, morphology, and formation of pockmarks in Lake Constance, Germany. *Limnology and Oceanography*, 55(6), 2623–2633.
<https://doi.org/10.4319/lo.2010.55.6.2623>



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Kajian Bentuklahan dan Proses Geologi Resen Paparan Mahakam, Selat Makassar Berdasarkan Data Sub
Bottom Profiler, Side Scan Sonar, dan Gravity Core
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Wood Hole Oceanographic Institution. (2023). *Gravity Corer - Woods Hole Oceanographic Institution*. <https://www.whoi.edu/what-we-do/explore/instruments/instruments-sensors-samplers/gravity-corer/>

Wu, Z., Yang, F., & Tang, Y. (2021). Side-scan Sonar and Sub-bottom Profiler Surveying. In *High-resolution Seafloor Survey and Applications* (1st ed., pp. 95–122). Springer Singapore. <https://doi.org/10.1007/978-981-15-9750-3>

Zolezzi, F., Traverso, C. M., & Parker, E. J. (2009). Offshore geohazards and their implication to industry. *Rendiconti Online Societa Geologica Italiana*, 7(January 2009), 33–38.