

DAFTAR PUSTAKA

- Achsan, A., Bisri, M. & Suhartanto, E. (2015). Analisis Kecenderungan Sedimentasi Waduk Bili-bili dalam Upaya Keberlanjutan Usia Guna Waduk. *Teknik Pengairan*, 6(1), 30–36.
- BSN. (2014). *Standar Nasional Indonesia 7988:2014 tentang Survei Batimetri Menggunakan Multibeam Echosounder*. Badan Standardisasi Nasional.
- BSN. (2010). *Standar Nasional Indonesia 7646:2010 tentang Survei Hidrografi Menggunakan Singlebeam Echosounder*. Badan Standardisasi Nasional.
- Dewi, L. S., Ismanto, A. & Indrayanti, E. (2015). Pemetaan Batimetri Menggunakan Singlebeam Echosounder di Perairan Lembar, Lombok Barat, Nusa Tenggara Barat. *Oceanografi*, 4(1), 10-17.
- Falco, G. D., Tonielli, R., Martino, G. D., Innangi, S., Simeone, S. &, & Parnum, I. M. (2010). Relationships Between Multibeam Backscatter, Sediment Grain Size and Posidonia Oceanica Seagrass Distribution. *Continental Shelf Research*, 30(18), 1941–1950. <https://doi.org/10.1016/j.csr.2010.09.006>
- Firdaus, I., Sai, S. S. &, & Batara, Y. D. (2024). Analisis Perbandingan Digital Terrain Model Dari Data Multibeam Echosounder yang Terkoreksi Data Sound Velocity Profiler dan Tanpa Koreksi. *Jurnal INTEKNA*, 24(1).
- Gaida, T. C., Mohammadloo, T. H., Snellen, M. &, & Simons, D. G. (2020). Mapping The Seabed and Shallow Subsurface with Multi-frequency Multibeam Echosounders. *Remote Sensing*, 12(1). <https://doi.org/10.3390/RS12010052>
- Handaya, K.B., Rechar, J. & Muyadi, D. S. (2019). *Analisis Perubahan Standarisasi Assessment IHO SP-44 dalam Survei Singlebeam Echosounder (Studi Kasus LATTEK STTAL 2019)*.
- Haryanto, D., Febriawan, H. K., Safi, A. F. &, & Irfan, M. (2020). Survei Dimensional Dan Kalibrasi Sistem Multibeam Laut Dalam Dikapal Riset Baruna Jaya 1. *GEOMATIKA*, 26(2), 95–106. <https://doi.org/10.24895/jig.2020.26-2.1143>
- Hendromi, Jumarang, M. I. & Putra, Y. s. (2015). Analisis Karakteristik Fisik Sedimen Pesisir Pantai Sebala Kabupaten Natuna. *PRISMA FISIKA*, III(01), 21–28.
- Huang, Z., Siwabessy, J., Cheng, H. &, & Nichol, S. (2018). Using Multibeam Backscatter Data to Investigate Sediment-Acoustic Relationships. *Journal of Geophysical Research: Oceans*, 123(7), 4649–4665. <https://doi.org/10.1029/2017JC013638>
- IEG. (2009). *Independent Evaluation Group (IEG)*. Dam Operational Improvement.
- IHO. (2024). *International Hydrographic Organization Standards for Hydrographic Surveys S-44 Edition 6.2.0*. International Hydrographic Organization Standards for Hydrographic Surveys.

- Joshi, N., Lamichhane, G. R., Rahaman, M. M., Kalra, A. &, & Ahmad, S. (2019). Application of HEC-RAS to Study The Sediment Transport Characteristics of Maumee River in Ohio. *World Environmental and Water Resources Congress 2019: Hydraulics, Waterways, and Water Distribution Systems Analysis - Selected Papers from the World Environmental and Water Resources Congress 2019*, 257–267. American Society of Civil Engineers (ASCE). <https://doi.org/10.1061/9780784482353.024>
- Karmila Akbar, Pratomo, D. G., & Khomsin. (2017). Analisis nilai hambur balik sedimen permukaan dasar perairan menggunakan data multibeam echosounder EM302. *Jurnal Teknik ITS*, 6(2), G154–G159. <https://doi.org/10.12962/j23373539.v6i2.24527>
- Khomsin, Pratomo, D. G., Hariyanto, T., Pribadi, C.B. & Nugraha, A. (2023). Analisa Sebaran Sedimentasi di Waduk Selorejo dengan Menggunakan Data Single Beam Echosounder. *Journal of Geodesy and Geomatics*, 18(2), 302–310.
- Koop, L. (2022). *Using Multibeam Echosounders for Multiscale and Interdisciplinary Habitat Mapping on the Dutch Continental Shelf* (Berlin Institute of Technology). Berlin Institute of Technology. <https://doi.org/10.4233/uuid:1af34dce-0e3b-45d0-8851-b6254612185e>
- Kustamar & Yulianti, E. (2009). Model Hidrologi DAS. *JSDA*, 5(2).
- Lamarche, G. & Lurton, X. (2017). Recommendations for Improved and Coherent Acquisition and Processing of Backscatter Data from Seafloor-Mapping Sonars. *Marine Geophysical Research*. <https://doi.org/10.1007/s11001-017-9315-6>
- Lubis, M. Z., Anurogo, W., Mufida, M., Antoni, S., Kausarian, H. &, & Pujiyati, S. (2019). Bathymetry Mapping in the Batu Ampar Waters, Batam: Using Teledyne Odom MB1 Multibeam Echo Sounder (MBES). *Proceedings of the 2019 2nd International Conference on Applied Engineering, ICAE 2019*. Institute of Electrical and Electronics Engineers Inc. <https://doi.org/10.1109/ICAE47758.2019.9221841>
- Lubis, M. Z., Anurogo, W., Mufida, M., Taki, H. M., Antoni, S. &, & Lubis, R. A. (2018). Physical Condition of the Ocean to Global Climate Change Variability: Case Study in The Batam Waters, Indonesia. *Proceedings of the 2018 International Conference on Applied Engineering, ICAE 2018*. Institute of Electrical and Electronics Engineers Inc. <https://doi.org/10.1109/INCAE.2018.8579397>
- Manik, H. M., Junaedi, L. & Harsono, G. (2016). Pemrosesan Citra Side Scan Sonar untuk Pemetaan Dasar Laut Pelabuhan Benoa. *Jurnal Nasional Teknik Elektro Dan Teknologi Informasi*, 5(2), 93–100.
- Medvešek, I. G., Šoda, J., Karin, I. &, & Maljković, M. (2023). The State of the Hydrographic Survey and Assessment of the Potentially Risky Region for Navigation Safety. *Journal of Marine Science and Engineering*, 11(8). <https://doi.org/10.3390/jmse11081498>

- Pambudhi, D. (2017). *Pengolahan Data Multibeam Echosounder Untuk Mendeteksi Pipa Bawah Laut Menggunakan Perangkat Lunak EIVA NAVISUITE*. Institut Teknologi Sepuluh November.
- Poerbandono & Djunarsjah. (2005). *Survei Hidrografi dan Rekayasa*.
- PUPR, K. (2017). *Dam Oprational Improvement and Safety Project Additional FINANCING (DOISP AF)*.
- Purwanto, H., Suhari, K. T., Tjahjadi, M. E. &, & Setyawan, D. A. (2022). 3D Topography Modeling from Integrating Bathymetric and Aerial Imagery for Sermo Reservoir Monitoring. *IOP Conference Series: Earth and Environmental Science*, 1051(1). Institut Teknologi Malang. <https://doi.org/10.1088/1755-1315/1051/1/012008>
- Rahmandhani, I., Legono, D. & Waluyadi, H. (2021). Analisa Rezim Sedimentasi Waduk Studi Kasus: Waduk Kedungombo dan Waduk Sermo. *Media Komunikasi Teknik Sipil*, 27(1), 80–87.
- Schimmel, A. C. G., Beaudoin, J., Parnum, I. M., Bas, T. L., Schmidt, V., Keith, G. &, & Ierodionou, D. (2018). Multibeam Sonar Backscatter Data Processing. *Marine Geophysical Research*, 39(1–2), 121–137. <https://doi.org/10.1007/s11001-018-9341-z>
- Trzcinska, K., Janowski, L., Nowak, J., Rucinska-Zjadacz, M., Kruss, A., Deimling, J. S. C., ... Tegowski, J. (2020). Spectral features of dual-frequency multibeam echosounder data for benthic habitat mapping. *Marine Geology*, 427. <https://doi.org/10.1016/j.margeo.2020.106239>
- Yolhamid, M. N. A. G., Rahman, A. H. A., Naiem, M. A. M., Razali, M. N., Ahmad, M. A. &, & Hashim, F. R. (2020). Sound Velocity Profile (SYP) at Strait of Malacca for Maritime Warfare Usage. *International Journal of Integrated Engineering*, 12(5), 108–123. <https://doi.org/10.30880/ijie.2020.12.05.014>