

DAFTAR PUSTAKA

- Alesheikh, A.A., Ghorbanali, A. & Nouri, N. 2007. Coastline Change Detection using Remote Sensing. *Int. J. Environ. Sci. Tech.*, 4 (1), 61-66.
- Albert, P. & Jorge, G. 1998. Coastal changes in the Ebro delta: Natural and human factors. *Journal of Coastal Conservation*, 4, 17-26.
- Anders, F.J. & Byrnes, M.R. 1991. Accuracy of Shoreline Change Rates as Determined from Maps and Aerial Photographs. *Shore and Beach*, 59(1), 17–26.
- Andreas, H., Abidin, Z. H., Sarsito, D, A. and Pradipta, D. 2018. Adaptation of ‘Early Climate Change Disaster’ to The Northern Coast of Java Island Indonesia. *Engineering Journal*, 22(3).
- Appleby, P.G. and Oldfield, F. 1978. The Calculation of Lead-210 Dates Assuming a Constant Rate of Supply of Unsupported ^{210}Pb to The Sediment. *Catena* 5(1),1-8
- Astjario, P. & Harkins, F. 2005. Penelitian Lingkungan Pantai Wilayah Pesisir Kabupaten Cirebon, Jawa Barat. *Jurnal Geologi Kelautan*, 3(2), 19–26.
- Bakorsutanal. 1999. Peta Rupabumi Digital Indonesia 1:25.000 Lembar 1309-231 Cirebon.
- Baskaran, M., Bianchi, T.S. & Filley, T.R. 2017. Inconsistencies between ^{14}C and Short-lived Radionuclides-based Sediment Accumulation Rates: Effects of Long-term Remineralisation. *Journal of Environmental Radioactivity*, 174, 10–16. <https://doi.org/10.1016/j.jenvrad.2016.07.028>
- Beatley, T., Brower, D.J. and Schwab A.K. 2002. *An Introduction to Coastal Zone Management: Second Edition*. Island Press: Washington.
- Bird E. 2008. *Coastal Geomorphology*. Second Edition. John Wiley & Sons Ltd, England.
- Boak, E.H. and Turner, I.L. 2005. Shoreline Definition and Detection: A Review. *Journal of Coastal Research*, 21(4), 688-703.
- Broce, K., Ruiz-Fernández, A.C., Batista, A., Franco-Ábrego, A.K., Sanchez-Cabeza, J.A., Pérez-Bernal, L.H. & Guerra-Chanis, G.E. 2022. Background Concentrations and Accumulation Rates in Sediments of Pristine Tropical Environments. *Catena*, 214.

Catuneanu, O., Abreub, V., Bhattacharya, J.P., Blum, M.D., Dalrymple, R.W., Eriksson, P.G., Fielding, C.R., Fisher, W.L., Galloway, W.E., Gibling, M.R., Giles, K.A., Holbrook, J.M., Jordan, R., Kendall, C.G.S.C., Macurda, B., Martinsen, O.J., Miall, A.D., Neal, J.E., Nummedal, D., Pomar, L. Posamentier, H.W., Pratt, B.R. Sarg, J.F., Shanley, K.W., Steel, R.J., Strasser, A., Tucker, M. E., dan Winker, C. 2009. Towards the Standardization of Sequence Stratigraphy Towards the Standardization of Sequence Stratigraphy. *Earth Science Reviews*, 92(January 2009), 1–33.

Coastal Engineering Research Center (CERC). 1984. Shore Protection Manual. US Army Corps of Engineers, In *Coastal Engineering Research Center: Vol. I* (4th ed.).

Crickmore, M.J., Tazioli, G.S., Appleby, P. G. and Oldfield, F. Eds. 1990. *The Use of Nuclear Techniques in Sediment Transport and Sedimentation Problems*, IHP-III Project 5.2 SC-90/WS-49, UNESCO, Paris, France.

Dahuri, R., Rais, J., Ginting S.P. dan Sitepu, M.J. 2013. *Pengelolaan Sumber Daya Wilayah Pesisir dan Lautan Secara Terpadu*. Jakarta: Balai Pustaka.

Danial, M.M. 2008. *Rekayasa Pantai*. Bandung: Alfabeta.

Davidson-Arnott, R. 2010. *An Introduction to Coastal Processes and Geomorphology*. Cambridge University Press the Edinburgh Building, Cambridge.

Davis R.A.Jr. 1991. *Oceanography: An Introduction to The Marine Environment*, New Jersey: WCB Publisher International Published.

De Lima, L.T., Fernández-Fernández, S., Espinoza, J.M.D.A., Albuquerque, M.D.G. & Bernardes, C. 2021. End Point Rate Tool for QGIS (EPR4Q): Validation using DSAS and AMBUR. *ISPRS International Journal of Geo-Information*, 10(3).

Dean, R.G. & Dalrymple, R.A. 2001. *Coastal Processes with Engineering Applications*. Cambridge University Press.

Dillenburg S.R. & Hesp P.A. 2009. *Geology and Geomorphology of Holocene Coastal Barriers of Brazil*. Springer-Verlag Berlin Heidelberg.

Dolan, R., Hayden, B.P., May, P. and May, S.K. 1980. The Reliability of Shoreline Change Measurements from Aerial Photographs. *Shore and Beach*, 48(4), 22–29.

- Dyer K. R. 1986. *Costal And Estuarine Sediment Dynamics*. Jhon Wiley & Sons, Inc. New York.
- Faisal W. 2009. Peran Metode Pertanggalan Radiometris di Bidang Arkeologi dan Geologi. *Jurnal Iptek Nuklir Ganendra*. 12(2): 70-81.
- Folk, R.L. 1980. *Petrology of Sedimentary Rocks*. Hemphill Publishing Company, Austin, 184 p.
- Friedman G.M. dan Sanders, J.E. 1978. *Principles of Sedimentology*. New York: John Wyley & Sons Ltd.
- Friedman, G.M. 1967. Dynamic Processes and Statistical Parameters Compared for Size Frequency Distribution of Beach River Sands. *Journal of Sedimentary Petrology*, 37, 327-354.
- Ghoneim, E., Mashaly, J., Gamble, D., Halls, J. & Abu Bakr, M. 2015. Nile Delta Exhibited a Spatial Reversal in The Rates of Shoreline Retreat on The Rosetta Promontory Comparing Pre- and Post-beach Protection. *Geomorphology*, 228, 1–14.
- Goldberg, E.D. 1963. Geochronology with Pb210: Radioactive Dating. Conference Proceedings, November 19-23, 1962, Athens, IAEA, Vienna, 121-131.
- Guariglia, A., Buonamassa, A., Losurdo, A., Saladino, R., Trivigno, M.L., Zaccagnino, A., & Colangelo, A. 2006. A Multisource Approach for Coastline Mapping and Identification of Shoreline Changes. *Annals of Geophysics*, 49(1), 295–304.
- Hanafi M., 2005. Studi Perubahan Garis Pantai Kaitannya Dengan Pengelolaan Wilayah Pesisir Indramayu Jawa Barat. *Marine Geological Institute*. Pusat Penelitian dan Pengembangan Geologi Kelautan. Bandung. <http://www.mgi.esdm.go.id.htm>.
- Hantoro, W.S. 2006. *Pengaruh Karakteristik Laut dan Pantai terhadap Perkembangan Kawasan Kota Pantai*. Pusat Penelitian Geoteknologi LIPI.
- Hersbach, H., Bell, B., Berrisford, P., Biavati, G., Horányi, A., Muñoz Sabater, J., Nicolas, J., Peubey, C., Radu, R., Rozum, I., Schepers, D., Simmons, A., Soci, C., Dee, D. & Thépaut, J.-N. 2018. *ERA5 Hourly Data on Single Levels from 1959 to Present*. Copernicus Climate Change Service (C3S) Climate Data Store (CDS).

- Kent, E.C. & Taylor P.K. 1997. Choice of a Beaufort Equivalent Scale. *Journal of Atmospheric and Oceanic Technology*, 14, 228–242
- Khadijah, S.R. & Wibowo, A. 2020. Coastline Changes on The Coast of Cirebon Using Landsat. *E3S Web of Conferences*, 202, 1–6. <https://doi.org/10.1051/e3sconf/202020215016>
- Komar P.D. 1998. *Beach Processes and Sedimentation*. Second Edition. New Jersey: Prentice-Hall Inc, Englewood Cliffs.
- Kumar, A., Narayana, A.C. & Jayappa, K.S. 2010. Shoreline Changes and Morphology of Spits along Southern Karnataka, West Coast of India: A Remote Sensing and Statistics-based Approach. *Geomorphology*, 120(3–4), 133–152. <https://doi.org/10.1016/j.geomorph.2010.02.023>
- Kumaravel, S., Ramkumar, T., Gurunananam, B., Suresh, M. & Dharanirajan, K. 2013. An Application of Remote Sensing and GIS Based Shoreline Change Studies-A Case Study in The Cuddalore District, East Coast of Tamilnadu, South India. *International Journal of Innovative Technology and Exploring Engineering (IJITEE)*, 2, 2278–3075.
- Kurt, S., Karaburun, A. & Demirci, A. 2010. Coastline Changes in Istanbul between 1987 and 2007. *Scientific Research and Essays*, 5(19), 3009–3017.
- Lewis, D.W. 1984. *Practical Sedimentology*. New Zealand: University of Canterbury.
- Liang, T.Y., Chang, C.H., Hsiao, S.C., Huang, W.P., Chang, T.Y., Guo, W.D., Liu, C.H., Ho, J.Y. & Chen, W.B. 2022. On-Site Investigations of Coastal Erosion and Accretion for the Northeast of Taiwan. *Journal of Marine Science and Engineering*, 10(2).
- Mahendra, I.W.W.Y., Maulana, E., Wulan, T.R., Rahmadana, A.D.W. dan Putra, A.S. 2017. *Pemetaan Kawasan Rawan Abrasi di Provinsi Jawa Tengah Bagian Utara*. Bunga Rampai Kepesisiran dan Kemaritiman Jawa Tengah Volume II, 93-105.
- Maiti, S. & Bhattacharya, A.K. 2009. Shoreline Change Analysis and Its Application to Prediction: A Remote Sensing and Statistics Based Approach. *Marine Geology*, 257(1–4), 11–23.
- Martínez-Carreño, N. & García-Gil, S. 2017. Reinterpretation of The Quaternary Sedimentary Infill of The Ría de Vigo, NW Iberian Peninsula, as a Compound Incised Valley. *Quaternary Science Reviews*, 173, 124–144.

- Menier, D., Tessier, B., Proust, J.N., Baltzer, A., Sorrel, P. & Traini, C. 2010. The Holocene Transgression as Recorded by Incised-valley Infilling in a Rocky Coast Context with Low Sediment Supply (Southern Brittany, Western France). *Bulletin de La Societe Geologique de France*, 181(2), 115–128.
- Meyssignac, B. & Cazenave, A. 2012. Sea level: A review of present-day and recent-past changes and variability. *Journal of Geodynamics*, 58, 96–109. <https://doi.org/10.1016/j.jog.2012.03.005>
- Monaghan, M.C. 1989. Lead – 210 in surface air and soils from California: Implications for The Behaviour of Trace Constituents in The Planetary Boundary Layer. *Journal of Geophysical Research*, 94D, 6449 – 6456.
- Moore, D. S., McCabe, G. P., & Craig, B. A. 2009. *Introduction to the Practice of Statistics*. Sixth Edition. New York: W. H. Freeman and Company.
- Naga Kumar, K.C.V., Deepak, P.M., Basheer Ahammed, K.K., Rao, K.N., Gopinath, G. & Dinesan, V.P. 2022. Coastal Vulnerability Assessment using Geospatial Technologies and A Multi-Criteria Decision Making Approach – A Case Study of Kozhikode District Coast, Kerala State, India. *Journal of Coastal Conservation*, 26(3). <https://doi.org/10.1007/s11852-022-00862-7>
- Naga Kumar, K.C.V., Demudu, G., Dinesan, V.P., Gopinath, G., Deepak, P.M., Lakshmanadinesh, K. & Nageswara Rao, K. 2019. Erosional Responses of Eastern and Western Coastal Regions of India, Under Global, Regional, and Local Scale Causes. *Coastal Zone Management: Global Perspectives, Regional Processes, Local Issues*, 155–179. <https://doi.org/10.1016/B978-0-12-814350-6.00007-0>.
- Nageswara Rao, K., Subraelu, P., Naga Kumar, K.C.V., Demudu, G., Hema Malini, B., Rajawat, A.S. & Ajai. 2010. Impacts of Sediment Retention by Dams on Delta Shoreline Recession: Evidences from The Krishna and Godavari Deltas, India. *Earth Surface Processes and Landforms*, 35(7), 817–827.
- Novico, F. dan Rahardjo, P. 2012. Desain Kapasitas Tiang Pancang Bulat Pada Lapis Sedimen Kohesif di Perairan Pantai Utara Cirebon Pada Rencana As Jetty Marine Center PPPGL Cirebon Jawa Barat. *Jurnal Geologi Kelautan*, 10,1.
- Novico, F., Endyana, C., Menier, D., Mathew, M., Kurniawan, I., Bachtiar, H., Ranawijaya, D. & Hendarmawan, H. 2021a. The Dynamic Coastal Evidence of Jakarta Bay during Late Pleistocene-Recent. *IOP Conference Series : Earth and Environmental Science*, 930(1), 1–13. <https://doi.org/10.1088/1755-1315/930/1/012002>

- Novico, F., Menier, D., Mathew, M., Ramkumar, M., Santosh, M., Endyana, C., Dewi, K. T., Kurniawan, I., Lambert, C., Goubert, E. & Hendarmawan. 2021b. Impact of Late Quaternary Climatic Fluctuations on Coastal Systems: Evidence from High-resolution Geophysical, Sedimentological and Geochronological Data from the Java Island. *Marine and Petroleum Geology*, 136, 105399. <https://doi.org/10.1016/j.marpetgeo.2021.105399>
- Novico, F., Siddik, D. A., Lufiandi, Albab, A., Mulia, A., Kusnida, D., Komarudin, R.A., Ranawijaya, D., Kamariah, I., Endyana, C., Bachtiar, H. & Hendarmawan. 2021c. Interdisciplinary approach for qualitatively monitoring coastline dynamics in North Java Coast, Case study: Karawang Regency Indonesia. *IOP Conference Series: Earth and Environmental Science*, 944(1). <https://doi.org/10.1088/1755-1315/944/1/012050>
- Páez-Osuna, F. & Mandelli, E.F. 1985. 210Pb in A Tropical Coastal Lagoon Sediment Core. *Estuarine, Coastal and Shelf Science*, 20(3), 367–374. [https://doi.org/10.1016/0272-7714\(85\)90048-4](https://doi.org/10.1016/0272-7714(85)90048-4)
- Pardo-Pascual, J.E., Sánchez-García, E., Almonacid-Caballer, J., Palomar-Vázquez, J.M., Priego de los Santos, E., Fernández-Sarría, A. & Balaguer-Beser, Á. 2018. Assessing the Accuracy of Automatically Extracted Shorelines on Microtidal Beaches from Landsat 7, Landsat 8 and Sentinel-2 Imagery. *Remote Sens.* 10, 326.
- Pariwono J.I. 1998. *Kondisi Oseanografi Perairan Pesisir Lampung*. Proyek Pesisir Publication. Technical Report (TE – 99/12 – I) Coastal Resources Center, University of Rhode Island. Jakarta. Indonesia. 24.
- Pian, S. & Menier, D. (2011). The use of a geodatabase to carry out a multivariate analysis of coastline variations at various time and space scales. *Journal of Coastal Research*, SPEC. ISSUE 64, 1722–1726.
- Poerbandono dan Djunarsjah, E. 2005. *Survei Hidrografi*. Bandung: Refika Aditama .
- Pond, S. dan Pickard, G.L. 1983. *Introductory Dynamical Oceanography*. Second edition. Pergamon Press. New York.
- Quang, D. N., Ngan, V. H., Tam, H. S., Viet, N. T., Tinh, N. X. & Tanaka, H. 2021. Long-term Shoreline Evolution using DSAS Technique : A Case Study of Quang Nam Province, Vietnam. *Journal of Marine Science and Engineering*, 9(10). <https://doi.org/10.3390/jmse9101124ast>
- Rajagopalan, V. & Ushanatesan. 2011. Delineation of Shoreline Changes Using Remote Sensing and Geographical Information System. *International Journal*

- of Applied Engineering Research*, 6(10), 1219–1226.
- Reineck, H. & Singh, I. 1980. *Depositional Sedimentary Environments* (second). Springer-Verlag.
- Rizzo, A. & Anfuso, G. 2020. Coastal dynamic and evolution: Case studies from different sites around the world. *Water*, 12, 2829; doi:10.3390/w12102829
- Robbins J.A. and Edgington D.N. 1975. Determination of Recent Sedimentation Rates in Lake Michigan using Pb-210 and Cs-137. *Geochimica et Cosmochimica Acta*, 39(3), 285-304
- Ruchyadi A., Badri I. dan Hilman T., 2007. *Penyelidikan Geologi Lingkungan Perkotaan Cirebon dan Sekitarnya Provinsi Jawa Barat*. DTLGKP. DESDM. Tidak Dipublikasikan
- Salahuddin, M., Astjario, P. & Lubis, S. 2001. *Peta Kompilasi Sebaran Sedimen Permukaan Dasar Laut di Laut Jawa, Perairan Indonesia Bagian Barat*. Pusat Penelitian dan Pengembangan Geologi Kelautan.
- Sastroprawiro H.S, Sungkowo, A., Purnomo, H. dan Supomo. 1992. Geomorfologi. Diktat Kuliah. Universitas Pembangunan Nasional ‘veteran’ Yogyakarta.
- Sathiamurthy, E. & Voris, K.H. 2006. Maps of Holocene Sea Level Transgression and Submerged Lakes on the Sunda Shelf. In *The Natural History Journal of Chulalongkorn University*. 2.
- Sesli, F.A., Karsli, F., Colkesen, I. & Akyol, N. 2009. Monitoring the Changing Position of Coastlines using Aerial and Satellite Image Data : An Example from The Eastern Coast of Trabzon, Turkey. *Environmental Monitoring and Assessment*, 153(1–4), 391–403.
- Setiabudi, A. R. & Maryanto, T. I. 2018. Deteksi Perubahan Garis Pantai di Pesisir Kabupaten Karawang dengan Aplikasi Digital Shoreline Analysis. *Reka Geomatika*, 1, 42–50. <https://doi.org/10.26760/jrg.v2018i2.2629>.
- Silitonga, P.H., Masria M. dan Suwarna N. 1996. Peta Geologi Lembar Cirebon
- Sorensen R.M, 1991. *Basic Coastal Engineering*. New York: John Wiley & Sons, Ltd.
- Stewart, R.H. 2008. Introduction to Physical Oceanography. In Texas A&M University, 65(10). Texas A&M University. <https://doi.org/10.1119/1.18716>
- Sugianto, D.N. dan ADS, A. 2007. Studi Pola Sirkulasi Arus Laut di Perairan Pantai Provinsi Sumatera Barat. *Jurnal Ilmu Kelautan Juni*, 12 (2): 79-92.

- Sumining, Wisyachudin, F. & Sudarmadji. 2002. Estimasi Kecepatan Pengendapan di Pantai Cirebon Menggunakan Profil ^{210}Pb . *Prosiding Pertemuan dan Presentasi Ilmiah Penelitian Dasar Ilmu Pengetahuan dan Teknologi Nuklir P3TM Batan*, 223–227.
- Thieler, E.R., Himmelstoss, E.A., Zichichi, J.L. & Ergul, A. 2009. *The Digital Shoreline Analysis System (DSAS) Version 4.0—An ArcGIS Extension for Calculating Shoreline Change*. <https://doi.org/10.3133/ofr20081278>
- Triatmodjo B. 2016. *Teknik Pantai*. Cetakan Ke-8. Yogyakarta: Beta Offset.
- Tylmann, W. 2004. Estimating Recent Sedimentation Rates Using ^{210}Pb on The Example of Morphologically Complex Lake (Upper Lake Radunske, N Poland). *Geochronometria*, 23:21-26.
- Vail, P.R., Mitchum, JR. & Thompson, B.P. 1977. Seismic Stratigraphy and Global Change in Sea Level, Part 3: Relative Change af Sea Level from Coastal Onlap. In Payton, C.E. (ed.) *Seismic Stratigraphy – Applications to Hydrocarbon Exploration*, American Association of Petroleum Geologists: Vol. Memoir 26, 63–81.
- Van Bemmelen, R. W. 1949. *The Geology of Indonesia. General Geology of Indonesia and Adjacent Archipelagoes*. in Government Printing Office, The Hague , 1–766.
- Van Rijn, L.C., Waslra, D.J.R., Grasmeijer, B., Sutherland, J., Pan, S. & Sierra, J.P. 2003. The predictability of cross-shore bed evolution of sandy beaches at the time scale of storms and seasons using process-based profile models. *Coastal Engineering*, 47(3), 295–327. [https://doi.org/10.1016/S0378-3839\(02\)00120-5](https://doi.org/10.1016/S0378-3839(02)00120-5)
- Wahyudi, Haryanto, T. dan Suntoyo.2009. Analisa Kerentanan Pantai di Wilayah Pesisir Pantai Utara Jawa Timur. *SEN TA*. Publikasi Jurnal Instut Teknologi Sepuluh Nopember, Surabaya.
- Williams, S.J. 2013. Sea-level rise implications for coastal regions. *Journal of Coastal Research*, 63, 184–196. <https://doi.org/10.2112/SI63-015.1>.
- Winarso, G., Judijanto & Budhiman, S. 2001. The Potential Application of Remote Sensing Data for Coastal Study. *Proc. 22nd Asian Conference on Remote Sensing*, 1(1), 5–9.
- Word Atlas, 2022. <https://www.worldatlas.com/articles/countries-with-the-most-coastline.html>

Xu, N. 2018. Detecting coastline change with all available landsat data over 1986-2015: A case study for the state of Texas, USA. *Atmosphere*, 9(3). <https://doi.org/10.3390/atmos9030107>.

Zevenbergen, L.W., Lagasse, P.F. and Edge, B.L. 2004. *Tidal Hydrology, Hydraulics and Scour at Bridges First Edition*. Hydraulic Engineering Circular, 25.