Daftar Pustaka

Amarrohman, F. J., Istiqomah, I., & Sasmito, B. (2016). Pemantauan Perubahan Pantai Menggunakan Aplikasi Digital Shoreline Analysis System (DSAS) Studi Kasus: Pesisir Kabupaten Demak. *Jurnal Geodesi UNDIP*, 5(1), 75-89.

Arnott, R. D. (2010). *Introduction to Coastal Processes and Geomorphology*.New York: Cambridge University Press

Anonim. *Undang-undang Republik Indonesia Nomor 27 tahun 2007 Tentang Pengelolaan Wilayah Pesisir dan Pulau-pulau kecil.*

Anonim. (2016). *Rencana Pembangunan Jangka Menengah Daerah Kota Semarang Tahun 2016-2021*. Semarang: Bappeda Kabupaten Kendal.

Apriyana, D. (2017). Monitoring Perubahan Garis Pantai dan Faktor-faktor Yang Mempengaruhinya di Wilayah Kepesisiran Kota Semarang.*Skripsi*. Yogyakarta: Fakultas Geografi Universitas Gadjah Mada

Atmodjo, W. (2010). Sebaran Sedimen di Perairan Delta Sungai Bodri, Kendal, Jawa Tengah. *Ilmu Kelautan,* 15(1), 53-58

Bada Pusat Statistik. (2017). *Kabupaten Kendal Dalam Angka 2016*. Kabupaten Kendal: Badan Pusat Statistik

Beatley, T., Brower, D. J., & Schwab, A. K. (2002). *An Introduction to Coastal Zone Management Second Edition*. Washington: Island Press.

Bird, E. C. F (2008). *Coastal Geomorphology: An Introduction. 2nd edition.* West Sussex: John Wiley & Sons.

Bird, E. C. F., & Ongkosongo, O. S. R. (1980*). Environmental changes on the coasts of Indonesia*. The united nations university: United Nations university press.

Campbell, J. B., & Wynne, R. H. (2011). *Introduction to Remote Sensing 5th edition.* New York: The Guilford Press.

Coastal Engineering Research Center. (1984). *Shore Protection Manual: Volume I*. Mississippi: Department of the Army

Dahuri, R., Rais, J., Ginting, S. P., & Sitepu, M. J. (1996). *Pengelolaan Sumber Daya Wilayah Pesisir & Lautan Secara Terpadu.* Jakata: Pradnya Paramitha.

Danoedoro, P. (2012). *Pengantar Penginderaan Jauh Digital*. Yogyakarta: Penerbit Andi.

Duxbury, A., Duxbury, A. C., & Sverdrup, K. A., (2006). *Fundamental Of Oceanography.5th edition*. New York: McGraw Hill.

Ervita, K. (2015). Kajian Perubahan Garis Pantai di Kabupaten Demak Tahun 1990-2015 Ditinjau dari Aspek Morfodinamika. *Skripsi*. Yogyakarta: Fakultas Geografi UGM.

Fandeli, C. (2012). *Analisis Mengenai Dampak Lingkungan Pembangunan Pelabuhan*. Yogyakarta: UGM-Press.

Fletcher, S., & Smith, H. D. (2007). Geography and coastal management. *Coastal Management*, 35(4), 419-427.

Fromad, F., Vega, C., & Proisy, C. (2004). Half a Century of Dynamic Coastal Change Effecting Mangrove Shorelines of French Guiana: a Case Study based on Remote Sensing Data Alayses and Field Surveys. *Journal of Marine Geology, 208,* 265-280.

Genz, A. S., Fletcher, C, H., Dunn, R. A., Frazer, L, F., & Rooney, J. J. (2007). The Predictive Accuracy of Shoreline Change Rate Methods and Alongshore Beach Variation on Maui, Hawaii. *Journal of Coastal Research,* Vol.23, 87-105.

Gomez, C., Wulder, M. A., Dawson, A. G., Ritchie, W., & Green, D. R. (2014). Shoreline Change and Coastal Vulnerabilityy Characterization with Landsat Imagery: A Case Study in the Outer Hebrides, Scotland. *Scottish Geographical Journal,* 130(4), 279-299

Hadi, S., & Sugianto, D. N. (2012). Model Distribusi Kecepatan Angin Untuk Peramalan Gelombang dengan Menggunakan Metode Darbyshire & Smb di Perairan Semarang. *Buletin Oseanografi Marina,* 1, 25-32.

Haibo, Y., Zongmin, W., Hongling, Z., & Yu, G. (2011). Water Body Extraction Methods Study Based on RS and GIS. *Procedia Environmental Science*, 10, 2619-2624.

Hedge, A. V., & Akshaya, B. J. (2015). Shoreline Transformation Study of Karnataka Coast: Geospatial Approach. *Aquatic Procedia*, Vol.4, 151-156.

Jensen, J.R. (1986). *Introductory Digital Image Processing, A Remote Sensing Perspective*. New Jersey: Prentice-Hall.

Ji, L., Geng, X., Sun, K., Zhao, Y., & Gong, P. (2015). Target Detection Method for Water Mapping Using Landsat 8 OLI/TIRS Imager y. Water, 7(2), 794-817.

Komar, P.D. (1976). *Beach Processes and Sedimentation*. New Jersey: Prentice Hall.

Kompas. (2008). Abrasi di Kendal Sulit Dikendalikan, *Kompas.* Diakses tanggal 20 September 2017, dari https://nasional.kompas.com/read/2008/12/03/20564958/abrasi.di.kendal.sulit.dikendalikan.htm

Kuleli, T., Guneroglu, A., Karsli, F., & Dihkan, M. (2011). Automatic Detection of Shoreline Change on Coastal Ramsar Wetlands on Turkey. Ocean Engineering, 38, 1141-1149

Ladys, M., Surbakti, H., & Hartoni. (2012). Penentuan Perubahan Garis Pantai dengan Teknologi Penginderaan Jauh & Model Numerik di Kabupaten Batang Provinsi Jawa Tengah. *Maspari Journal, 45 (3)*, 187-195.

Li, R., Di, K., & Ma, R. (2001). A Comparative Study of Shoreline Mapping Techniques. *Proceeding.* International Symposium on Computer Mapping and GIS for Coastal Zone Management, Halifax, Nova, Scotia, Canada, June 18 – 20, 2001.

Li, W., & Gong, P. (2016). Continuous Monitoring of Coastline Dynamics in Western Florida with A 30-year Time Series of Landsat Imagery. Remote Sensing of Environment, 179, 196-209.

Lillesand, T.M. & Kiefer, R.W. (1994). *Penginderaan Jauh dan Interpretasi Digital*. Yogyakarta: Gadjah Mada University Press

Lumbanbatu, U.M., & Hidayat, S. (2007). Evaluasi Awal Kerentanan Pelulukan/Likuefikasi Daerah Kendal & Sekitarnya, Jawa Tengah. *Jurnal Geologi Indonesia*, 2, 159-176.

Maiti, S., & Bhattacharya, A.K. (2009). Shoreline change analysis and its application to prediction: a remote sensing and statistics based approach. *Marine Geology*, 257, 11-23.

Marfai, M.A. (2011). The Hazards of Coastal Erosion in Central Java, Indonesia: An Overview. *Malaysian Journal of Society and Space*, 3, 1-9.

Marfai, M. A., Pratomoatmojo, N. A., Hidayatullah. T., Nirwansyah, A. W., & Gomareuzzaman, M. (2011). *Model Kerentanan Wilayah Pesisir Berdasarkan Perubahan Garis Pantai & Banjir Pasang (Studi Kasus: Wilayah Pesisir Pekalongan).* Yogyakarta: Magister Perencanaan dan Pengelolaan Pesisir dan Daerah Aliran Sungai (MPPDAS), Geografi UGM

Marfai, M.A., Hizbaron, D.R., & Mardiatno, D. (2015). *Research Report International Research Collaboration and Scientific Publication (Third Year)*: *Coastal Geomorphological Hazard in North Central JavaIndonesia*. UGM and Vrije Univ, Yogyakarta and Amsterdam.

Moore, L. J. (2000). Shoreline Mapping Techniques. *Journal of Coastal Research*, 16, 111-124.

Natesan, U., Parthasarathy, A., Vishnuath, R., Kumar, G. E. J., & Ferrer, V. A. (2015). Monitoring Longterm Shoreline Changes Along Tamil Nadu, India Using Geospatial Techniques. *Aquatic Procedia*, Vol.4: 325-332.

National Aeronautics and Space Administration. (2017). Earth Explorer. Diakses pada tanggal 20 November 2017 pada pukul 17.00 WIB http://www.earthexplorer.usgs.gov.

National Oceanic and Atmospheric Administration. (2017). *Current*. Diakses pada tanggal 14 Desember 2017 pada pukul 20.00 WIB http://oceanservice.noaa.gov/education/pd/tidescurrents/tidescurrents_currents.html.

Nizam. (1986). *Model Perkembangan Garis Pantai*. UGM: Media Teknik. Edisi No.3.

Oyedotun, T. D. T. (2014). Shoreline Geometry: DSAS as a Tool for Historical Trend Analysis. *Geomorphological Techniques*, Vol.3

Pethick, J. (1984). *An Introduction to Coastal Geomorphology*. Maryland: Edward Arnold Ltd.

Planetscope. (2018). Planet. Diakses pada tanggal 10 Juli 2018 pada pukul 10.00 WIB https://www.planet.com/explorer/#/mosaic/global_monthly_2018_06_mosaic/center/110.190,-6.861/zoom/14

Poerbondono & Djunasjah E. (2012). *Survei Hidrografi*. Bandung: Refika Aditama.

Ponte, A. L., Velasco, G.G.D., Valle-Levinson, A., Winters, K.B., & Winant, C.D. (2012). Wind-Driven Subinertial Circulation inside a Semiennclosed Bay in the Gulf of California. *Journal of Physical Oceanography, 42*, 940-953.

Purwadhi, F.S.H., & Sanjoto, T.B. (2008). *Pengantar Interpretasi Citra Penginderaan Jauh*. Jakarta: LAPAN-Geografi UNNES.

Qiao, G., Huan, M., Weian, W., Xiaohua, T., Zhongbin, L., Tan, L., dkk. (2018). 55-Year (1960-2015) spatiotemporal shoreline change analysis using historical DISP and Landsat time series data in Shanghai. *International Journal of Applied Earth Observation and Geoinformation*, 68, 238-251.

Rijn, L. V. (2010). Coastal Erosion Control based on the Concept of Sediment Cells. *Project of Concepts and Science for Coastal Erosion Management.* Deltares, Netherlands.

Rokni, K., Ahmad, A., Selamat, A., & Hazini, S. (2014). Water Feature Extraction and Change Detection Using Multitemporal Landsat Imagery. Remote Sensing, 6(5), 4173-4189.

Romine, B.M., Fletcher, C.H., Frazer, L.N., Genz, A.S., Barbee, M.M., & Lim, S. (2009). Historical shoreline change, Southeast Oahu, Hawaii; Applying

Polynomial Models to Calculate Shoreline Change Rates. *Journal of Coastal Reaserch,* 25, 1236-1253.

Salghuna, N. N., & Bharathvaj, A.S. (2015). Shoreline Change Analysis for Nothern Part of The Coromandel Coast. *Aquatic Procedia*, Vol. 4, 317-324.

Sanjoto, T. B., Sutrisno, A., & Agus, H. (2012). Kajian Perubahan Spasial Garis Pantai sebagai Zonasi Tata Ruang Pesisir (Studi Kasus Pesisir Kabupaten Kendal). *Tata Loka*, vol. 14, 1-12.

Sardiyatmo, Supriharyono, & Hartoko, A. (2013). Dampak Dinamika Garis Pantai Menggunakan Citra Satelit Multi Temporal: Pantai Semarang Provinsi Jawa Tengah. *Jurnal Saintek Perikanan*, 8, 33-37.

Sarp, G., & Ozcelik, M. (2017). Water Body Extraction and Change Detection Using Time Series: A Case Study of Lake Burdur, Turkey. *Journal of Taibah University for Science*, 11, 381-391.

Satriadi, A., & Widada, S. (2004). Distribusi Muatan Padatan Tersuspensi di Muara Sungai Bodri, Kabupaten Kendal. *Ilmu Kelautan,* Vol. 9 No.2: 101-107.

Shoshany, M., & Degani, A. (1992). Shoreline Detection by Digital Image Processing of Aerial Photography. *Journal of Coastal Research,* 6(1), 111-120.

Sindonews. (2014). Abrasi terus menggerus Pesisir Kendal, *Sindonews.* Diakses tanggal 20 September 2017, dari https://daerah.sindonews.com/read/852937/22/abrasi-terus-menggerus-pesisir-kendal-1397153019.htm

Stafford, D. B., & Langfelder, J.(1971). Air Photo Survey of Coastal Erosion. *Photogrammetric Engineering*, 37, 565-575.

Stephenson, W. (2016). Coastal Erosion. Dunedin: University of Otago.

Sunarto. (1999). Sistem Pengelolaan wilayah Pantai Berdasarkan Tingkat Kerawanan Bencana Marin Di Pantai Utara Jawa Tengah. *Majalah Geografi Indonesia*, Vol 13 No.23: 69-86.

Sunarto. (2000). Studi Geografi Pertumbuhan Bura dengan Acuan Pranata Mangsa pada Muara Sungai Opak & Progo, Daerah Istimewa Yogyakarta. *Laporan Penelitian*. Yogyakarta: Fakultas Geografi UGM.

Sunarto, Marfai, M.A., & Setiawan, M.A. (2014). *Geomorfologi & Dinamika Pesisir Jepara*. Yogyakarta: Gadjah Mada University Press.

Sutanto. (1986). *Penginderaan Jauh Jilid I.* Yogyakarta: Gadjah Mada University Press.

Sutoyo, T., Mulyanto, E., Suhartono, V., Nurhayati, O. D., & Wijanarto. (2009). Teori Pengolahan Citra Digital. Semarang: Penerbit ANDI

Tarigan, M. S. (2007). Perubahan garis pantai di wilayah pesisir perairan Cisa&e, Provinsi Banten. *Makara Sains* Vol. 11 (Nomor 1): 49-50.

Thanden, R. E. (1975). *Peta Geologi Lembar Magelang dan Semarang*. Bandung: Direktorat Geologi, Departemen Pertambangan Republik Indonesia.

Thanden, R. E., Sumadirdja, H., Richards, P.W., Sutisna, K., & Amin, T. C. (1996). *Peta Geologi Lembar Magelang dan Semarang, Skala 1:100.000.*Pusat Survei Geologi Bandung.

Thieler, E.R., Himmelstoss, E.A., Zichichi, J.L., & Ergul, A. (2009). *Digital Shoreline Analysis System (DSAS) version 4.0—An ArcGIS extension for calculating shoreline change*. U.S. Geological Survey Open-File Report 2008-1278.

Thieler E. R., & Danforth W. W. (1994a). Historical Shoreline Mapping (I): Improving and Reducing Positioning Errors. *Journal of Coastal Research*, Vol.10 No. 3: 549-563.

Thieler E. R., & Danforth W. W. (1994b). Historical Shoreline Mapping (II): Application of the Digital Shoreline Mapping and Analysis Systems (DSMS/DSAS) to Shoreline Mapping in Puerto Rico. *Journal of Coastal Research*, Vol.10 No. 3: 600-620.

Triatmodjo, B. (1999). *Teknik Pantai*. Yogyakarta: Beta Offset Winarto.

Trihatmoko, E. (2014). Evaluasi Perkembangan Wilayah Pesisir Dan Pantai Serta Budidaya Perikanan Tambak Terhadap Rencana tata Ruang Wilayah

(RTRW) Kabupatenn Sidoarjo. *Skripsi*. Yogyakarta: Fakultas Geografi, Universitas Gadjah Mada.

Trihatmoko, E. (2017). Proses Dan Dampak Dinamika Wilayah Kepesisiran Jawa Tengah Dan Daerah Istimewa Yogyakarta. *Tesis.* Yogyakarta: Fakultas Geografi, Universitas Gadjah Mada.

USGS. (2017). Landsat 8.Diiakses pada pada 15 Desember 2017 pukul 08.00 WIB landsat.usgs.gov/landsat8.php

Wahib, M. (1993). *Peta Geologi Tata Lingkungan Bersistem, Jawa lembar Semarang dan Magelang Skala 1:100.000*. Bandung: Direktorat Geologi Tata Lingkungan.

Yulius., & Ramdhan, M. (2013). Perubahan Garis Pantai di teluk Bungus Kota Padang, Provinsi Sumatera Barat Berdasarkan Analisis Citra Satelit. *Jurnal Ilmu & Teknologi Kelautan Tropis* ,5 (2), 417-427