

DAFTAR PUSTAKA

- A. A. Rizal and S. Soraya, 2018, "Multi Time Steps Prediction Dengan Recurrent Neural Network", *MATRIK (Jurnal Manajemen, Teknik Informatika & Rekayasa Komputer)*. Vol 18, hal 115–124.
- Ali., K. 2014. *Pemetaan Suhu Permukaan Laut Di Perairan Timur Aceh Dengan Menggunakan Citra Aqua Modis*. Universitas Riau.
- Arcgis., *Online*. 2022. Available: <Http://Pro.Arcgis.Com/En/Pro-App/Tool-Reference/Spatialstatistiks/H-How-Hot-Spot-Analysis-Getis-Ord-Gi-Spatial-Stati.Htm>. [Accessed 18 Juli 2022].
- Arcgis., *Online*. 2022. Available: <Http://Pro.Arcgis.Com/En/Pro-App/Tool-Reference/Spatialanalyst/How-Kernel-Density-Works.Htm>.
- Arief., M. 2012. *Pemetaan Muatan Padatan Tersuspensi Menggunakan Data Satelit Landsat, Study Kasus: Teluk Semangka, Jurnal Penginderaan Jauh Dan Pengolahan Citra Digital*. Vol. 9. No. 1 : 1412- 8098.
- Bayat., F and Hasanlou. M. 2016. *Feasibility Study Of Landsat-8 Imagery For Retrieving Sea Surface Temperature (Case Study Persian Gulf) In Remote Sensing And Spatial Information Science*. Vol 12 : 1107–1110.
- Cahyono. A. B., Armono. H. D and Saptarini. D. 2017. *Estimation Of Sea Surface Temperature (SST) Using Split Window Methods For Monitoring Industrial Activity In Coastal Area*.
- Campbell, J.B. 2016. *Introduction to Remote Sensing*. Taylor & Francis, London.
- Campbell., J. B and Wynne. R. H. 2011. *Introduction To Remote Sensing (5th Editio)*. New York: The Guilford Press.
- Chen. C., P. Shi and Q. Mao. 2013. *Application of remote sensing techniques for monitoring the thermal pollution of cooling-water discharge from nuclear*

power plant. Journal Environ Sci Health. Vol 38. No 8 : 1659–68.

Curran., P. 2015. *Principle Of Remote Sensing*. New York: John Willy & Son.

Danoedoro., P. 2016. *Pengolahan Citra Digital : Teori Dan Aplikasinya Dalam Bidang Penginderaan Jauh*. Yogyakarta: Gadjah Mada University Press.

Dekker., A. G. 2017. *Operational Tools For Remote Sensing Of Water Quality: A Prototype Tool Kit, Vrije Universiteit Amsterdam, Institute For Environmental Studies. Bcrs Report 96-18.*

Deser, C., A. S. Phillips, and M. A. Alexander. 2010. *Twentieth Century Tropical Sea Surface Temperature Trends Revisited. Geophys. Res. Lett. 37:1–6.*

Douglass, D. H., J. R. Christy, B. D. Pearsona, and S. FredSinger. 2018. *A Comparison of Tropical Temperature Trends with Model Predictions. Int. J. Climatol. 28:1693–1701.*

Du, C., Ren, H., Qin, Q., Meng, J., & Zhao, S. (2015). *A practical split-window algorithm for estimating land surface temperature from landsat 8 data. Remote Sensing, 7(1), 647–665.*

Effendi H. 2013. *Telaah Kualias Air*. Yogyakarta: Kanisius.

Febriani., E. R Dan Sukojo., B.M . 2016. *Analisa Perbandingan Penggunaan Citra Modis Level 1b Dan Level 2 Dalam Menentukan Prakiraan Daerah Penangkapan Ikan (Studi Kasus: Pantai Selatan Blitar). Jurnal Teknik ITS. Vol 5 (2).*

Gaol. J. L., Arhatin. R. E and Ling. M. M. 2014. *Pemetaan Suhu Permukaan Laut Dari Satelit Di Perairan Indonesia Untuk Mendukung “One Map Policy.” Seminar Nasional Penginderaan Jauh. 433–442.*

Gentemann., C. L. 2011. *Sea Surface Temperature : Satelite Microwave SSTs For Climate. In WCRP OSC, Climate Research in Service Society.*

Gitelson. A., G. Garbuzov. F. Szilagyi. K. H. Mittenzwey. K. Karnieli And A.

- Kaiser. 2013. *Quantitative Remote Sensing Methods For Real-Time Monitoring Of Inland Waters Quality, International Journal Of Remote Sensing*. 14 : 1269-1295.
- Habibie, M., & Nuraini, T. 2014. Karakteristik Dan Trenperubahan Suhu Permukaan Laut Di Indonesia periode 1982-2009. *Jurnal Meteorologi Dangeofisika*. 15 (1).
- Hadikusumah. 2018. Variabilitas Suhu dan Salinitas di Perairan Cisadane. *Makara Sains*. 12(2): 82-88.
- Halliday. D., Resnick. R. And Walker. J. 2014. *Fundamental Of Physics. Usa: Wiley*.
- Hamuna. B., Paulangan. Y. P dan Dimara. L. 2015. Kajian Suhu Permukaan Laut Menggunakan Data Satelit Aqua-Modis Di Perairan Jayapura, Papua. *Jurnal Depik Unsyiah*. 4 (3) 160–167.
- Harsanugraha. W. K dan Parwati. E. 2012. Aplikasi Algorithma Multi Kanal Untuk Estimasi SST Menggunakan Data Avhrr/2 Noaa-11. Jakarta: Lapan.
- Hosoda., K. H. Murakami, F. Sakaida, And H. Kawamura. 2017. *Algorithm And Validation Of Sea Surface Temperature Observation Using Modis Sensors*.
- Hosoda., K. H. Murakami. F. Sakaida And H. Kawamura. 2017. *Aboard Terra And Aqua In The Western North Pacific. Journal Oceanography*. Vol 63. No. 2 : 267–280.
- Hu, S., J. Sprintall, C. Guan, M. J. McPhaden, F. Wang, D. Hu, and W. Cai. 2020. *Deep-Reaching Acceleration of Global Mean Ocean Circulation over the Past Two Decades. Sci. Adv.* 6(6):1–9.
- Ilahude AG. 2015. Sebaran suhu, Salinitas, Siqma-T, Oksigen, dan Zat Hara di Perairan Teluk Jakarta in Atlas Oseanologi Teluk Jakarta. Jakarta : P20-LIPI.

- Jaelani, L. M., & Alfatinah, A. 2017. *Sea Surface Temperature Mapping at Medium*.
- Jaelani. L. M., B. Matsushita. W. Yang and T. Fukushima. 2015. *An improved atmospheric correction algorithm for applying MERIS data to very turbid inland waters. Int J Appl Earth Obs Geoinf.* Vol 39 : 128–141.
- Jaelani. L. M., B. Matsushita. W. Yang and T. Fukushima. 2013. *Evaluation of four MERIS atmospheric correction algorithms in Lake Kasumigaura, Japan. Int Journal Remote Sensing.* Vol 34. No 24 : 8967–8985.
- Jaelani. L. M., R. Limehuwey. N. Kurniadin. A. Pamungkas. E. S. Koenhardono. and A. Sulisetyono. 2016. *Estimation of TSS and Chl - a Concentration from Landsat 8 - OLI : The Effect of Atmosphere and Retrieval Algorithm. IPTEK Journal Technol Sci.* Vol 27. No 1 : 16–23.
- Jaelani., L. M and Alfatinah. A. 2017. *Sea Surface Temperature Mapping At Medium Scale Using Landsat 8-Tirs Satellite Image. In Regional Conference In Civil Engineereing.* (Pp. 582–587).
- Jatisworo. D., D. W. Kusuma. B. Sukresno dan R. Hanintyo. 2020. Analisis Spasio-Temporal Variabilitas Suhu Permukaanlaut Di Wilayah Pengelolaan Perikanan Berdasarkan Datasatelit Modis Aqua: Studi Kasus Di Wpp 573 Dan Wpp 715. *Majalah Ilmiah Globe.* Volume 22 No.2 : 101-112.
- Jensen., J. R. 2016. *Introductory Digital Image Processing – A Remote Sensing Prespective.* London: Prentice Hall.
- Jiang. Zhang, Ruqiang Yan, Robert X Gao, Zhihua Feng. 2010. *Performance Enhancement Of Ensemble Empirical Mode Decomposition. Mechanical System And Signal Processing.* 24 : 2104-2123.
- Kementerian Lingkungan Hidup dan Kehutanan. 2014. Keputusan Menteri Lingkungan Hidup dan Kehutanan Nomor 201 Tahun 2004 tentang Kriteria Baku Mutu Air Laut Untuk Biota Laut. Jakarta: Kementerian Lingkungan Hidup dan Kehutanan.

Kementrian Kelautan Dan Perikanan. 2011. Kelautan Dan Perikanan Dalam Angka 2011. Jakarta.

Koropitan, A. F., Ikeda, M., Damar, A and Yamanaka, Y. 2019. *Influences of physical processes on the ecosystem of Jakarta Bay: a coupled physical–ecosystem model experiment. ICES Journal of Marine Science: Journal du Conseil.* 66 (2) 336-348.

Kusuma AH, Prartono T, Atmadipoera AS, Arifin T. 2014. Sebaran Logam Berat Terlarut dan Terendapkan di Perairan Teluk Jakarta pada Bulan September 2014. *Teknologi Perikanan dan Kelautan.* 6(1): 41-49.

L. M. Mcmillin. 2015. *Estimation Of Sea Surface Temperatures From Two Infrared Window Measurements With Different Absorption. Journal Geophys.* Vol 80. No 36 : 5113–5117.

Lapan. 2013. *Jurnal Inderaja Volume Iv (Bidang Pengembangan Bank Data Penginderaan Jauh Pusat Teknologi Dan Data Penginderaan Jauh, Ed.).* Vol 6.

Limbong, M. 2018. Pengaruh Suhu Permukaan Laut Terhadap Jumlah Dan Ukuran Hasil Tangkapan Ikan Cakalang Di Perairan Teluk Pelabuhan ratu Jawa Barat. Bogor: Intitut Pertanian Bogor.

Mao CX , Colwell RK. *Estimation of species richness: mixture models, the role of rare species, and inferential challenges* , *Ecology.* 2015. vol. 86 (pg. 1143-53).

Masters, J. 2022. *The Landmark 2007 IPCC Report onClimate Change.* [Diakses pada 7 Juni 2022].

Mc Leod., A. 2011. *Kendall-Package:Kendall Corellation and Trend Test R Package Version.* Vol 2.

Mcbean, E and H. Motiee. 2018. *Assessment Of Impactof Climate Change On Water Resources: A Longterm Analysis Of The Great Lakes Of North*

America. Hydrology And Earth System Sciences.

McMillin LM and Crosby DS. 2014. *Theory and Validation of The Multiple Windows Sea Surface Temperature Technique. Journal of Geophysical Research.* 89 (3) : 3655-3661.

McPhaden, and S. P. Hayes. 2011. *On The Variability of Winds, Sea Surface Temperature, and Surface Layer Heat Content in The Western Wquatorial Pasific. J ournal Geophys.* 96: 3331 – 3342.

Mondal, A., Kundu, S and Mukhopadhyay, A. 2012. *Rainfall Trend Analysis By Mann-Kendall Test: Acase Study Of North-Eastern Part Of Cuttackdistrict, Orissa. International Journal Of Geology,Earth And Environmental Sciences.* 2 (1) 70-78.

Nababan, B dan Simamora, K. 2012. Variabilitas Konsentrasi Klorofil-A Dan Suhu Permukaan Laut Di Perairan Natuna. *Jurnal Ilmu Dan Teknologi Kelautan Tropis.* 4 (1) 121–134.

Nababan., Bisman. 2016. Variabilitas Suhu Permukaan Laut Dan Konsentrasi Klorofil-A Di Perairan Teluk Jakarta Dan Sekitarnya. *Jurnal Ilmu Dan Teknologi Kelautan Tropis, Vol. 8, No. 1, Hlm. 385-402.*

Nasa. 2018. *Landsat-8 / Ldcm (Landsat Data Continuity Mission). Nasa. 2015. Introduction To The Electromagnetic Spectrum.*

Ndossi, M. I., Avdan, U., Ndossi, M. I and Avdan, U. 2016. *Application Of Open Source Coding Technologies In The Production Of Land Surface Temperature (Lst) Maps From Landsat: A Pyqgis Plugin. Journal Remote Sensing.* 8 (5).

Nontji, A. 2017. *Laut Nusantara (5th Ed.). Jakarta: Djambatan.*

Nurhayati. 2019. Distribusi Suhu, Salinitas, Dan Arus Di Perairan Muara Ciracab Dan Muara Mati Pada Bulan Agustus 1998, Pesisir Dan Pantai Indonesia, Pusat Penelitian Dan Pengembangan Oseanologi, Lembaga Ilmu

Pengetahuan Indonesia. 27 – 35.

Onoz, B and Bayazit, M. 2013. *The Power Of Statistical Tests For Trend Detection. Turkish Journal Ofengineering And Environmental Sciences.* 27 (4).

Paongan Y, Soedharma D, Nurjaya IW, Pratono T. 2015. Sebaran Spasiotemporal Parameter dan Kimia Perairan Bokor, Pulau Payung, dan Pulau Pari, serta di Sekitar Teluk Jakarta. *Oseanografi.* 8(20): 21-25.

Peres, L., & DaCamara, C. (2015). *Land-surface emissivity maps based on MSG/SEVIRI information. Eumetsat.Int,* 1–8.

Pimpler., E. 2017. *Spasial Analytics With Arcgis, Birmingham: Packt Publishing. Pohlert. Package Trend. Package Trend.*

Po-Hong Wu. 2014. *Time-Frequency Analysis And Wave Transform Term Paper Tutorial Hilbert Huang Transform For Climate Analysis. Graduate Institute Of Communication Engineering. National Taiwan University.*

Praseno, J dan W. Kastoro. 2020. Evaluasi Hasil Pemantauan Kondisi Perairan Teluk Jakarta, 1975 – 1979 Proyek Penelitian Masalah Pengembangan Sumber Daya Laut Dan Pencemaran Laut. Lembaga Oseanologi Nasional-Lipi. Jakarta.

Prima., Carleone De. A. Hartoko dan M. R. Muskananfolo. 2016. Analisis Sebaran Spasial Kualitas Perairan Teluk Jakarta. *Dipenogoro Jurnal Of Aquares.* Vol 5. No 2 : 51-60.

Purwadhi, F. Hardiyanti, Sri. 2011. *Interpretasi Citra Digital.* Jakarta : Grasindo.

Puspitasari. 2014. Zonasi perairan Teluk Jakarta berdasarkan karakteristik sedimen, oseanografi, logam beratkontaminan dan toksisitasnya. Laporan Kegiatan Insentif Riset Penelitian dan Perakayasa LIPI: 60 pp.

Putra. T.M.K., W. Utama Dan M. S. Jaya. 2015. *Aplikasi Ensemble Empirical Mode Decomposition (Eemd) Pada Sinyal Mikroseismik Untuk Identifikasi*

Dinamika Hidrotermal Bawah Permukaan, Studi Kasus Daerah Potensi Geotermal Gunung Lamongan Jawa Timur. *Jurnal Geosaintek*. Vol 1 (1).

Rahardjo S, Harpasis SS. 2013. *Oseanografi Perikanan*. Jakarta : Departemen Pendidikan dan Kebudayaan.

Ritchie, J.C., and Charles, M.C., 2016. *Comparison Of Measured Suspended Sediment Concentration Estimated From Landsat Mss Data*. *Int J. Remote Sensing*. 9 (3) 379-387.

Rozenstein., O. Z. Qin. Y. Derimian and A. Karnieli. 2014. *Derivation of Land Surface Temperature for Landsat-8 TIRS Using a Split Window Algorithm*. Vol 14. 5768–5780.

Rubini Atmawidjaja. 2015. *Land Resource Balance. Conference Proceeding on Remote Sensing and GIS for Environmental Resources Management, BPPT New Building, Jakarta, June 6-8, 1995 : page 7- 1 to 7-14. Agency for The Assessment and Application of Technology (BPPTeknologi)*. Jalan Thamrin No.8 Jakarta.

Santoso., B. A. N dan F. S. Papilaya. 2019. Perancangan Model Untuk Analisa Data Calon Mahasiswa Dengan Menggunakan *Optimized Hot Spot Analysis* Dan *Kernel Density* Studi Kasus: Fti Uksw. *Prosiding Seminar Nasional Geotik*. 2580-8796.

Simamora., Indah. 2018. Metode Trend Non Linear Untuk Forecasting Komposisi Penduduk Kabupaten Tapanuli Tengah Menurut Jenis Kelamin Tahun 2006-2016. *Jurnal Curere*. Vol 2. No 2.

Sitanggang, G. 2010. Kajian Pemanfaatan Satelit Masa Depan : Sistem Penginderaan Jauh Satelit Ldcn (Landsat-8). *Berita Dirgantara*. 11(2) 47–58.

Sudarman. 2010. Meminimalkan Daya Dukung Sampah Terhadap Pemanasan Global *Profesional* Vol 8. No 1. 1693-3745.

Sugiyono. 2018. *Metode Penelitian Bisnis*. Alfabeta: Bandung.

Sutanto, 2014. *Pengeinderaan Jauh Jilid I*. Yogyakarta: Gadjah Mada University Press.

Syaifullah, M. D. 2015. Suhu Permukaan Laut Perairan Indonesia Dan Hubungannya Dengan Pemanasan Global. *Jurnal Segara*. 11(2) 103–113.

Syariz, M. A., Jaelani, L. M., Subehi, L., Pamungkas, A., Koenhardono, E. S and Sulisetyono, A. 2015. *Retrieval Of Sea Surface Temperature Over Poteran Island Water Of Indonesia With Landsat 8 Tirs Image : A Preliminary Algorithm*. In *Remote Sensing And Spatial Information Science*. Vol. X-2/W4. 87–90.

T. Chai and R. R. Draxler, 2014, "Root Mean Square Error (RMSE) Or Mean Absolute Error (MAE)? -Arguments Against Avoiding RMSE In The Literature", Vol 7.

Tamiminia, H., Salehi, B., Mahdianpari, M., Quackenbush, L., Adeli, S., & Brisco, B. 2020. *Google Earth Engine for geo-big data applications: A meta-analysis and systematic review*. *ISPRS Journal of Photogrammetry and Remote Sensing*. 164, 152-170.

Tanto., Try. Al. 2020. Deteksi Suhu Permukaan Laut (SPL) Menggunakan Satelit.

UNESCO. 2000. *Reducing Megacity Impacts on The Coastal Environment- Alternative Livelihoods and Waste Management in Jakarta and The Seribu Islands*. *Coastal Region and Small Island Papers* 6. UNESCO. Paris 59 pp.

USGS [U.S. Geological Survey]. (n.d.). 2022. *Landsat Collections Sensor Characteristics*.<https://developers.google.com/earthengine/datasets/catalog/landsat>.

Walton, C. C. 2018. *Nonlinear multichannel algorithms for estimating sea surface temperature with AVHRR satellite data*. *Journal of Applied Meteorology*. 27(2) 115-124.

Wan, Z., & Dozier, J. 2016. *A generalized split-window algorithm for retrieving*

land-surface temperature from space. IEEE Transactions on Geoscience and Remote Sensing. 34(4), 892–905.

Watson, K. 2012. *Two-temperature method for measuring emissivity. Remote Sensing of Environment - Remote Sens Environ.* 42, 117–121.

Williams TM, Ress JG dan Setiapermana D. 2020. *Metal and Trace Organic Compounds in Sedimen and Waters of Jakarta Bay and The Pulau Seribu Complex, Indonesia. Marine Pollution Bulletin.* 40(3): 277-285

Wubet, M. T. 2013. *Estimation Of Absolute Surface Temperature By Satellite Remote Sensing.*

Yue, S., & Pilon, P. .2014. *A Comparison Of The Power Ofthe T Test, Mann-Kendall And Bootstrap Tests Fortrend Detection. Hydrological Sciences Journal.* 49(1). 21-37.

Yusniati, M. 2016. *Analisis Spasial Suhu Permukaan Laut Di Perairan Laut Jawa Pada Musim Timur Dengan Menggunakan Data Digital Satelit Noaa16-Avhr. Ipb.*

Z.-L. Li, H. Wu, N. Wang, S. Qiu, J. A. Sobrino, Z. Wan, B.-H. Tang, And G. Yan. 2013. *Land Surface Emissivity Retrieval From Satellite Data. International Journal Remote Sensing.* Vol 34. No. 9–10 (3084–3127).

Zhaohua Wu, Norden E. Huang, 2019. *Esemble Empirical Mode Decomposition: A Noise-Assited Data Analysis Method, Advances In Adaptive Data Analysis.* 1(1) : 1-41.

Zhihua. M., Z. Qiankun. and P. Delu. 2014. *An operational satellite remote sensing system for ocean fishery. Acta Oceanol Sin.* Vol 23. No 3 : 427–436.