

DAFTAR PUSTAKA

- Arya, A., Winarso, G. dan Santoso, I. 2017 “Ekstraksi Kedalaman Laut Menggunakan Data Spot-7 Di Teluk Belangbelang Mamuju” *Jurnal Ilmiah Geomatika*, 22(1), hal. 09. doi: 10.24895/JIG.2016.22-1.423.
- Bierwirth, P. N., Lee, T. J., & Burne, R. V. 1993. “Shallow sea-floor reflectance and water depth derived by unmixing multispectral imagery.” In *Photogrammetric Engineering & Remote Sensing*.
- Campbell, J. B. dan Wynne, R. H. 2011. “Introduction to Remote Sensing”. 5 ed. New York: The Guilford Press.
- Chénier, R., Faucher, M. A., & Ahola, R. 2018. “Satellite-derived bathymetry for improving Canadian Hydrographic Service charts”. *ISPRS International Journal of Geo-Information*. <https://doi.org/10.3390/ijgi7080306>
- Danoedoro, P. 1996. “Pengolahan Citra Digital, Teori dan Aplikasinya dalam Penginderaan Jauh”. Yogyakarta: Fakultas Geografi Universitas Gadjah Mada.
- Dobrinić, D., Gašparović, M., & Župan, R. (2018). “Horizontal accuracy assessment of planetscope, rapideye and worldview-2 satellite imagery. *International Multidisciplinary Scientific GeoConference Surveying Geology and Mining Ecology Management, SGEM*. <https://doi.org/10.5593/sgem2018/2.3/S10.017>
- Ekadinata, A., Sonya ,D., Danan P.H., Dudy K.N.,& Feri J. 2008. “Sistem Informasi Geografis untuk Pengelolaan Bentang Lahan Berbasis Sumber Daya Alam”. Buku 1: Sisten Informasi Geografis dan Penginderaan Jauh Menggunakan ILWIS Open Sources. Bogor (ID): World Agroforestry Centre.
- Gabr, B., Ahmed, M., & Marmoush, Y. 2020. “PlanetScope and Landsat 8 Imageries for Bathymetry Mapping”. *Journal of Marine Science and Engineering*, 8(2), 143. doi:10.3390/jmse8020143.
- Gamma Design Software. 2005. “Interpolation in GS+.” [http://www.geostatistics.com/ OverviewInterpolation.html](http://www.geostatistics.com/OverviewInterpolation.html) (23 Juni 2008)
- Gao, J. 2009. “Bathymetric mapping by means of remote sensing: Methods, accuracy and limitations,” *Progress in Physical Geography*, 33(1), hal. 103–116.
- Ghilani, C. D. 2010. “Adjustment Computations Spatial Data Analysis”. 5 ed. New Jersey: John Wiley & Sons.
- Green, E. P., Mumby, P. J., Edwards, A. J. dan Clark, C. D. 2000. “Remote Sensing Handbook for Tropical Coastal Management”. Diedit oleh A. J. Edwards. Paris: UNESCO. doi: 10.1109/6.367967.
- Guntur, D. P., dan Wawan. (2012). *Pemetaan Terumbu Karang Teori, Metode Dan Praktik*. Bogor : Ghalia Indonesia

- Hall, F. G., Huemmrich, K. F., Goetz, S. J., Sellers, P. J., & Nickeson, J. E. 1992. "Satellite remote sensing of surface energy balance: success, failures, and unresolved issues in FIFE". *Journal of Geophysical Research*. <https://doi.org/10.1029/92jd02189>
- Hedley, J. D., A. R. Harborne, dan P. J. Mumby. 2005. "Simple and Robust Removal of Sun Glint for Mapping Shallow-Water Benthos." *International Journal of Remote Sensing*. <https://doi.org/10.1080/01431160500034086>.
- Hernandez, W. J., & Armstrong, R. A. (2016). Deriving bathymetry from multispectral remote sensing data. *Journal of Marine Science and Engineering*. <https://doi.org/10.3390/jmse4010008>
- Hochberg, Eric J., Serge Andréfouët, dan Misty R. Tyler. 2003. "Sea Surface Correction of High Spatial Resolution Ikonos Images to Improve Bottom Mapping in Near-Shore Environments." *IEEE Transactions on Geoscience and Remote Sensing*. <https://doi.org/10.1109/TGRS.2003.815408>.
- Holme, A.McR., Burnside, D.G. and Mitchell, A.A. 1987. The development of a system for monitoring trend in range condition in the arid shrublands of Western Australia. *Australian Rangeland Journal* 9:14-20.
- Hu, C. dan Tang, P. 2011. "Converting DN value to reflectance directly by relative radiometric normalization," *Proceedings - 4th International Congress on Image and Signal Processing, CISP 2011*. IEEE, 3, hal. 1614–1618. doi: 10.1109/CISP.2011.6100483
- IHO, 2019, "S-62 -List of Data Producer Codes." Monaco : International Hydrographic Bureau.
- Javernick, L., Brasington, J., & Caruso, B. 2014. "Modeling the topography of shallow braided rivers using Structurefrom-Motion photogrammetry". *Geomorphology*, 166-182.
- Jawak, S. D., Vadlamani, S. S. dan Luis, A. J. 2015. "A Synoptic Review on Deriving Bathymetry Information Using Remote Sensing Technologies: Models, Methods and Comparisons." *Advances in Remote Sensing*, 4(June), hal. 147–162. doi: 10.1016/j.talanta.2017.01.029.
- Jensen, J. R. 2005. "Introductory Digital Image Processing A Remote Sensing Perspective" 2005th ed. J. R. Jensen, ed., Pearson Prentice Hall Series.
- Jupp, D. L. B. 1989. "Background and extensions to depth of penetration (DOP) mapping in shallow coastal waters". *Collected Conference Papers Describing Remote Sensing Application Projects Using the MicroBRIAN Image Processing System*.
- Kanno. A., Koibuchi. Y., dan Isobe. M. 2019. "Shallow Water Bathymetry from Multispectral Satellite Images: Extensions Of Lyzenga's Method for Improving Accuracy". *Coastal Engineering Journal*, Vol. 53, No. 4 (2011) 431–450 DOI: 10.1142/S0578563411002410.

- Kay, S., Hedley, J. D., & Lavender, S. 2009. "SunGlint Correction of High and Low Spatial Resolution Images of Aquatic Scenes: a Review of Methods for Visible and Near-Infrared Wavelengths". *Remote Sensing*, 1, 697-730
- Khorrarn, S., Wiele, C. F. van der, Koch, F. H., Nelson, S. A. C. dan Potts, M. D. 2016. "Principles of Applied Remote Sensing". 1 ed. New York: Springer. Kurfürstendamm 22, 10719 Berlin, Germany
- Lenoble, J., Remer, L. dan Tanre, D. 2013. "Aerosol Remote Sensing". Chichester, UK: Springer.
- Lyzenga, D. R. 1978. "Passive remote sensing techniques for mapping water depth and bottom features," *Applied Optics*, 17(3), hal. 379.
- Lyzenga, D. R., Malinas, N. P. dan Tanis, F. J. 2006. "Multispectral bathymetry using a simple physically based algorithm". *IEEE Transactions on Geoscience and Remote Sensing*, 44(8), hal. 2251–2259. doi: 10.1109/TGRS.2006.872909.
- Manessa, M. D. M., Haidar, M., Hartuti, M., & Kresnawati, D. K. 2018. "Determination Of The Best Methodology For Bathymetry Mapping Using Spot 6 Imagery: A Study Of 12 Empirical Algorithms." *International Journal of Remote Sensing and Earth Sciences (IJReSES)*. <https://doi.org/10.30536/j.ijreses.2017.v14.a2827>
- Manessa, M. D. M., Kanno, A., Sagawa, T., Sekine, M. dan Nurdin, N. 2017. "Simulation-based investigation of the generality of Lyzenga's multispectral bathymetry formula in Case-1 coral reef water," *Estuarine, Coastal and Shelf Science*. Elsevier Ltd. doi: 10.1016/j.ecss.2017.10.014.
- Martin, S. .2014. "An Introduction To Ocean Remote Sensing". 2 ed. United Kingdom: Cambridge University Press.
- Mather, P. M. 1987. "Computer Processing of Remotely-Sensed Images. An Introduction", 1st Edition. Wiley: Chichester.
- Mather, P. M. 2004. "Computer Processing of Remotely-Sensed Images an Introduction". John Willey & Sons Inc. Chichster.
- Navionics, 2020, "Nautical Chart, The Most Detailed Charts". Italy : Viareggio. <https://www.navionics.com/aus/charts/features/nautical-chart> (diakses pada tanggal 14 April 2019 pukul 19.35 WIB)
- NCGIA. 2007. "Interpolation: Inverse Distance Weighting." <http://www.ncgia.ucsb.edu/pubs/spherekit/inverse.html> (23 Juni 2008)
- Pasaribu, M., Junita, Haryani, S., Nanik. 2012. "Perbandingan Teknik Interpolasi DEM SRTM dengan Metode Inverse Distance Weighted (IDW), Natural Neighbor dan Spline." *LAPAN, Jurnal Penginderaan Jauh Vol 9 (2)*, : hal. 123-139.
- Peraturan BIG Nomor 6 Tahun 2018 Tentang Pedoman Teknis Ketelitian Peta Dasar.

- Pike, S., Traganos, D., Poursanidis, D., Williams, J., Medcalf, K., Reinartz, P., & Chrysoulakis, N. 2019. Leveraging commercial high-resolution multispectral satellite and multibeam sonar data to estimate bathymetry: The case study of the Caribbean Sea. In *Remote Sensing*. <https://doi.org/10.3390/rs11151830>
- Planet Labs. 2018. "Planet Imagery Product Specifications".
- Planet. 2016. "Planet Imagery Product Specification: *Planetscope & Rapideye*". Berlin
- Pluck, R. A., and R. E. Walpole. 1976. "Introduction to Statistics, 2nd Ed." *Journal of the Royal Statistical Society. Series A (General)*. <https://doi.org/10.2307/2344392>.
- Poursanidis, D., Traganos, D., Chrysoulakis, N., & Reinartz, P. 2019. "Cubesats allow high spatiotemporal estimates of satellite-derived bathymetry." In *Remote Sensing*. <https://doi.org/10.3390/rs11111299>
- Poursanidisa, D., Traganosb, D., Reinartzc, P., dan Chrysoulakisa, N. 2019. "On the use of Sentinel-2 for coastal habitat mapping and satellite-derived bathymetry estimation using downscaled coastal aerosol band". *International Journal of Applied Earth Observation and Geoinformation*, hal 58-70. doi: 10.1016/j.jag.2019.03.012. *Praktek*. Bogor: Ghalia Indonesia
- Pramono G. 2008. "Akurasi metode IDW dan kriging untuk interpolasi sebaran sedimen tersuspensi di Maros, Sulawesi Selatan". *J Forum Geografi*. 22(1): 145-158.
- Purkis, S. J. (2018). *Remote Sensing Tropical Coral Reefs: The View from Above*. *Annual Review of Marine Science*. <https://doi.org/10.1146/annurev-marine-121916-063249>
- Purkis, S. J. 2018. "Remote Sensing Coral Reefs," *Reference Module in Earth Systems and Environmental Sciences*. 3 ed. Elsevier Inc., hal. 1–8. doi: 10.1016/B978-0-12-409548-9.10813-9.
- PUSFATJA. 2014. "Penelitian Dan Pengembangan Pemanfaatan Data Penginderaan Jauh Untuk Ekstraksi Informasi Terumbu Karang Dan Padang Lamun. Lembaga Penerbangan dan Antariksa Nasional".
- PUSHIDROSAL. 2018, "Data Kelautan Yang Menjadi Rujukan Nasional Diluncurkan", Jakarta Utara : *Hydrography and Oceanography Center, Indonesian Navy*, 28 Agustus 2018, <http://www.pushidrosal.id/berita/5256/DATA-KELAUTAN-YANG-MENJADI-RUJUKAN-NASIONAL--DILUNCURKAN/> (di akses pada tanggal 24 September 2019 pukul 14.00 WIB)
- Putri, C. A. J., Fuad M. A. Zainul, Adi M. A. As'. 2018. "Bathymetry Mapping Using Landsat 8 Multyspectral Data of Bangsring Coastal Area." *Omni-Akuatika* Vol. 15, 14 (1), hal. 54–61.

- Putri, K, D, A., 2018. Perbandingan Akurasi Pemetaan Habitat Bentik Berdasarkan Klasifikasi Berbasis Pikel Dengan Klasifikasi Berbasis Objek Menggunakan Citra PlanetScope (Studi Kasus Di Pulau Tabuhan, Kabupaten Banyuwangi, Provinsi Jawa Timur)". Yogyakarta : Universitas Gadjah Mada.
- Sawyer, S. F. (2009). "Analysis of Variance: The Fundamental Concepts". *Journal of Manual & Manipulative Therapy*. <https://doi.org/10.1179/jmt.2009.17.2.27>
- Setiawan, K. T., Adawiah, S. W., OSAWA, T., & Nuarsa, I. W. (2017). Application Of Van Hengel And Spitzer Algorithm For Information On Bathymetry Extraction Using Landsat Data. *International Journal of Remote Sensing and Earth Sciences(IJReSES)*. <https://doi.org/10.30536/j.ijreses.2014.v11.a2603>
- Sivakumar, M. V. K., Roy, P. S., Harmsen, K., & Saha, S. K. (2004). "Satellite Remote Sensing and GIS Applications in Agricultural Meteorology". *Satellite Remote Sensing and GIS Applications in Meteorology*.
- Skifstad, K., & Jain, R. (1989). "Illumination independent change detection for real world image sequences. *Computer Vision, Graphics and Image Processing*". [https://doi.org/10.1016/0734-189X\(89\)90039-X](https://doi.org/10.1016/0734-189X(89)90039-X).
- Soeprapto., 1993. "Pasang Surut Laut dan Chart Datum". Yogyakarta : Jurusan Teknik Geodesi, Fakultas Teknik Universitas Gadjah Mada.
- Supriyatna., & Sukartono, W. 2002. "Teknik perbaikan data digital (koreksi dan penajaman) citra satelit". Buletin teknik pertanian. Pusat penelitian dan pengembangan tanah dan agroklimat bogor.
- Suryopuspito. H. D. 2017. "Evaluasi Ketelitian Penentuan Kedalaman Perairan Dangkal Menggunakan Citra Satelit Pleiades". Thesis, Yogyakarta : Universitas Gadjah Mada.
- Syarifuddin, M, F., Musadieg, M, A., Yulianto, E. 2017. "Pentingnya Pelabuhan Tanjung Perakbagi Perekonomian Jawa Timur (Studi Pada Pt. Pelindo Iii Tanjung Perak Surabaya). Universitas Brawijaya : Fakultas Ilmu Administrasi.
- Traganos, Dimosthenis, Dimitris Poursanidis, Bharat Aggarwal, Nektarios Chrysoulakis, and Peter Reinartz. 2018. "Estimating Satellite-Derived Bathymetry (SDB) with the Google Earth Engine and Sentinel-2." *Remote Sensing*. <https://doi.org/10.3390/rs10060859>.
- UKHO. 2015. "Satellite Derived Bathymetry". IHO, 11th CSPCWG - 1st NCWG Meeting, Rostock, Germany.
- Ulinuha. M. 2019. "Optimalisasi Parameter Analitis Ekstraksi Kedalaman Laut dengan Citra Satelit Resolusi Tinggi pada Zona Laut Dangkal". Thesis, Yogyakarta : Universitas Gadjah Mada.
- Undang-Undang No. 6 th 1996 Tentang Perairan Indonesia.

- Vermote, E. F., Tanre, D., Deuze, J. L., Herman, M. dan Morcrette, J.-J. 1997. “Second Simulation of the Satellite Signal in the Solar Spectrum , 6s : An Overview,” *IEEE Geoscience and Remote Sensing Letters*, 35(3), hal. 675–686.
- Wicaksono, P., & Hafizt, M. 2017. “Dark target effectiveness for dark-object subtraction atmospheric correction method on mangrove above-ground carbon stock mapping”. *IET Image Processing* 2017.0295.
- Wicaksono, P., Aryaguna, P. A., Akhyar, H. 2015. “Pemetaan Habitat Bentik sebagai Dasar Pengelolaan Wilayah Pesisir dan Pulau – Pulau Kecil, Studi Kasus Pulau Menjangan Besar dan Menjangan Kecil Kepulauan Karimun Jawa”. *Seminar Nasional Pengelolaal Pesisir dan Daerah Aliran Sungai ke 1 UGM*, 370 – 383.
- X. Monteys, P. Harris, S. Caloca, and C. Cahalane, “Spatial prediction of coastal bathymetry based on multispectral satellite imagery and multibeam data,” *Remote Sens.*, 2015, doi: 10.3390/rs71013782.