

DAFTAR PUSTAKA

- Ali, F. (2018). *Peran Penting Perairan Darat untuk Keberlangsungan Ekosistem*. Lembaga Ilmu Pengetahuan Indonesia. <http://lipi.go.id/siaranpress/peran-penting-perairan-darat-untuk-keberlangsungan-ekosistem/21766>
- Allaby, M. (2013). *A Dictionary of Geology and Earth Sciences (Oxford Quick Reference)* (4th ed.). Oxford University Press.
- Apridayanti, Eka. (2018) “Evaluasi Pengelolaan Lingkungan Perairan Waduk Lahor Kabupaten Malang, Jawa Timur.” Tesis. Magiser Ilmu Lingkungan, Program Pascasarjana, Universitas Diponegoro, Semarang.
- Bana, E. A. H., Mappiratu, M., & Prismawiryanti, P. (2015). KAJIAN METODE GRAVIMETRI DALAM ANALISIS KADAR KARAGINAN RUMPUT LAUT *Eucheuma cottonii*. *KOVALEN*, 1(1). <https://doi.org/10.22487/j24775398.2015.v1.i1.5094>
- Bawono, M. R. K. S., & Wicaksono, P. (2019). Total Suspended Solid Mapping Using Remote Sensing: Accuracy Comparison of Absolute and Relative Atmospheric Correction. *Proceeding the Fifth International Conferences of Indonesian Society for Remote Sensing (ICOIRS) 2019*, 297–304. <https://icoirsmapi2019.org/proceedings/>
- Berk, A., Anderson, G., Acharya, P., Hoke, M., Chetwynd, J., Bernstein, L., . . . AdlerGolden, S. (2003). MODTRAN4 Version 3 Revision 1 USER’S MANUAL, Space Vehicles Directorate, . AIR FORCE RESEARCH LABORATORY, Space Vehicles Directorate, AIR FORCE MATERIEL COMMAND, HANSCOM AFB.
- Bernardo, N., Watanabe, F., Rodrigues, T., & Alcântara, E. (2017). Atmospheric correction issues for retrieving total suspended matter concentrations in inland waters using OLI/Landsat-8 image. *Advances in Space Research*, 59(9), 2335–2348. <https://doi.org/10.1016/j.asr.2017.02.017>
- Berner EK, Berner RA. (1987). The global water cycle, geochemistry and environment. Prentice-hall, Upper Saddle River, pp 1–453.
- Caballero, I., Steinmetz, F., & Navarro, G. (2018). Evaluation of the First Year of Operational Sentinel-2A Data for Retrieval of Suspended Solids in Medium- to

High-Turbidity Waters. *Remote Sensing*, 10(7), 982.

<https://doi.org/10.3390/rs10070982>

Campbell, B. (2021). *What is Total Suspended Solids (TSS)?* Water & Wastes Digest.

Retrieved October 15, 2021, from <https://www.wwdmag.com/suspended-solids-monitors/what-total-suspended-solids-tss>

Danoedoro, P. (2012). *Pengantar penginderaan jauh digital* (1st ed., Vol. 1). Penerbit Andi.

Dörnhöfer, K., Göritz, A., Gege, P., Pflug, B., & Oppelt, N. (2016). Water Constituents and Water Depth Retrieval from Sentinel-2A—A First Evaluation in an

Oligotrophic Lake. *Remote Sensing*, 8(11), 941.

<https://doi.org/10.3390/rs8110941>

Dodson, S. (2004). *Introduction to Limnology*. McGraw-Hill Education.

Feyisa, G. L., Meilby, H., Fensholt, R., & Proud, S. R. (2014). Automated Water Extraction Index: A new technique for surface water mapping using landsat imagery. *Remote Sensing of Environment*, 140, 23–35.

<https://doi.org/10.1016/j.rse.2013.08.029>

Garno, Y. S. (2001). STATUS DAN KARAKTERISTIK PENCEMARAN DI WADUK KASKADE CITARUM. *JURNAL TEKNOLOGI LINGKUNGAN*, 2(2). <https://doi.org/10.29122/jtl.v2i2>

Gascon, F., Bouzinac, C., Thépaut, O., Jung, M., Francesconi, B., Louis, J., Lonjou, V., Lafrance, B., Massera, S., Gaudel-Vacaresse, A., Languille, F., Alhammoud, B., Viallefont, F., Pflug, B., Bieniarz, J., Clerc, S., Pessiot, L., Trémas, T., Cadau, E., . . . Fernandez, V. (2017). Copernicus Sentinel-2A Calibration and

Products Validation Status. *Remote Sensing*, 9(6), 584.

<https://doi.org/10.3390/rs9060584>

Ginkel, Kees C.H.. (2015). Water quality monitoring in the Upper Citarum River Basin: rethinking the role of stakeholders.

Giri, A., & Sharma, P. (2018). Productivity evaluation of lotic and lentic water body in Himachal Pradesh, India. *MOJ Ecology & Environmental Sciences*, 3(5).

<https://doi.org/10.15406/mojes.2018.03.00105>

Hana, U., Ajeng, N., Suharyanto, & Pranoto, S. (2016). PENGARUH SEDIMETASI PADA KINERJA PENGOPERASIAN WADUK SERBAGUNA WONOGIRI.

JURNAL KARYA TEKNIK SIPIL, 5(1), 59–69. <http://ejournal-s1.undip.ac.id/index.php/jkts>

Herfinalis. 2005. Kandungan *Total Suspended Solid* Dan Sedimen Di Dasar Perairan Panimbang. *Makara Sains* 9 (2): 45–51

Hidayat, Y., & Khakhim, N. (2018). PEMANTAUAN DISTRIBUSI MUATAN PADATAN TERSUSPENSIF MENGGUNAKAN CITRA LANDSAT 8 OLI DI MUARA CI TARUM, JAWA BARAT. *Jurnal Bumi Indonesia*, 6(1). Diambil dari <http://lib.geo.ugm.ac.id/ojs/index.php/jbi/article/view/813>

Irwan, A., Wicaksono, A., & Khairin, F. A. (2020). Identifikasi Distribusi Beban Sedimentasi pada Intake DAM dan Reservoir PLTA (Studi Kasus: PLTA Cirata, Purwakarta – Jawa Barat). *JOURNAL OF APPLIED SCIENCE (JAPPS)*, 2(1), 022–030. <https://doi.org/10.36870/japps.v2i1.159>

IOCCG, Iocccg. (2012). Mission Requirements for Future Ocean-Colour Sensors.

Jaelani, L. M., Limehuwey, R., Kurniadin, N., Pamungkas, A., Koenhardono, E. S., & Sulisetyono, A. (2016). Estimation of Total Suspended Sediment and Chlorophyll-A Concentration from Landsat 8-Oli: The Effect of I and Retrieval Algorithm. *IPTEK The Journal for Technology and Science*, 27(1). <https://doi.org/10.12962/j20882033.v27i1.1217>

Jaelani, L. M. (2018). *Cara Pengukuran Total Suspended Sedimen dari Sampel Air – LMJaelani.com*. Lmjaelani.Com. Retrieved January 18, 2022, from <https://lmjaelani.com/2018/04/cara-pengukuran-total-suspended-sedimen-dari-sampel-air/>

Jaelani, L., & Wardani, R. (2019). VALIDASI REFLEKTAN PERMUKAAN HASIL DARI KOREKSI ATMOSFER METODE SEN2COR MENGGUNAKAN DATA IN SITU (STUDI KASUS: DANAU KASUMIGAURA, JEPANG). *Geoid*, 14(2), 35 – 42. Doi:10.12962/j24423998.v14i2.3888

Jensen, J. R. (2000). Remote Sensing of The Environment : An Earth Resource Perspective. New York: Practice Hall

Jiyah, J., Sudarsono, B., & Sukmono, A. (2017). STUDI DISTRIBUSI *TOTAL SUSPENDED SOLID* (TSS) DI PERAIRAN PANTAI KABUPATEN DEMAK MENGGUNAKAN CITRA LANDSAT. *Jurnal Geodesi Undip*, 6(1), 41-47.

Retrieved

from

<https://ejournal3.undip.ac.id/index.php/geodesi/article/view/15033>

Kartamihardja, E. S., K., Haryani, G. S., Haryadi, S., & Balai Riset Pemulihan Sumber Daya Ikan (Indonesia). (2017). *Ekologi dan pengelolaan perikanan waduk kaskade Sungai Citarum, Jawa Barat*. Balai Riset Pemulihan Sumber Daya Kelautan dan Perikanan, Balai Riset Pemulihan Sumber Daya Ikan.

Kementrian PU. (2014). *POLA PENGELOLAAN SUMBER DAYA AIR WILAYAH SUNGAI CITARUM* [E-book].

Khatib, A., Adriati, Y., & Wahyudi, A. E. (2013). ANALISIS SEDIMENTASI DAN ALTERNATIF PENANGANANNYA DI PELABUHANSELAT BARU BENGKALIS. *KeairanKonferensi Nasional Teknik Sipil 7, 7*, 31–36

Krisanti, M. (2006). Permasalahan dan Strategi Pengelolaan Perairan Waduk: Contoh Kasus Waduk Jatilhur dan Cirata, Jawa Barat. *IPB Repository*.
<https://repository.ipb.ac.id/handle/123456789/52141>

Kumar, S. (2021, December 16). *Understanding 8 types of Cross-Validation – Towards Data Science*. Medium. <https://towardsdatascience.com/understanding-8-types-of-cross-validation-80c935a4976d>

Lantzanakis, G. & Mitraka, Zina & Chrysoulakis, Nektarios. (2016). Comparison of physically and image based atmospheric correction methods for Sentinel-2 satellite imagery. 96880A. 10.1117/12.2242889.

Lillesand, T.M., Kiefer, R.W. and Chipman, J.W. (2008) *Remote Sensing and Image Interpretation*. 6th Edition, John Wiley & Sons, Hoboken.

Malinowski, R., Groom, G., Schwanghart, W., and Heckrath, G. (2015). Detection and Delineation of Localized Flooding from WorldView-2 Multispectral Data. *Remote Sensing*, 14853-14875

Mann, K. H. and Williams, . William David (2014, April 4). *inland water ecosystem*. *Encyclopedia Britannica*.
<https://www.britannica.com/science/inland-water-ecosystem>

Marselina, M., Sabar, A., Salami, I. R. S., & Marganingrum, D. (2017). PENENTUAN BOD, ZN, DAN NO₃-N DI WADUK SAGULING PADA SETIAP PEMBAGIAN KELAS TAHUN BERDASARKAN DISKRIT MARKOV 3 DAN 5 KELAS (Determination of BOD, ZN, and NO₃-N Concentrations in Saguling Reservoir on Each Year Class Division Based on Discrete Markov's

3 and 5 Class). *Jurnal Manusia Dan Lingkungan*, 24(3), 125.

<https://doi.org/10.22146/jml.23061>

Martins, V., Barbosa, C., de Carvalho, L., Jorge, D., Lobo, F., & Novo, E. (2017). Assessment of Atmospheric Correction Methods for Sentinel-2 MSI Images Applied to Amazon Floodplain Lakes. *Remote Sensing*, 9(4), 322.

<https://doi.org/10.3390/rs9040322>

Matthew, M. W., Adler-Golden, S. M., Berk, A., Richtsmeier, S. C., Levine, R. Y., Bernstein, L. S., . . . Miller, D. P. (2000). Status of atmospheric correction using a MODTRAN4-based algorithm. Algorithms for Multispectral, Hyperspectral, and Ultraspectral Imagery VI. 4049, hal. 199-207. Proceedings of SPIE

Mawardi, M. (2014). *AIR DAN MASA DEPAN KEHIDUPAN*, Jurnal TARJIH 12(1).

McCoy, R. M. (2005). *field Methods in Remote Sensing*. New York and London: The Guilford Press.

Molkov, A, Fedorov, Sergey, Pelevin, Vadim, Korchemkina, Elena. (2019). Regional Models for High-Resolution Retrieval of Chlorophyll a and TSM Concentrations in the Gorky Reservoir by Sentinel-2 Imagery. *Remote Sensing*. 11. 1215. [10.3390/rs11101215](https://doi.org/10.3390/rs11101215).

Nechad, B., Ruddick, K., & Park, Y. (2010). Calibration and validation of a generic multisensor algorithm for mapping of total suspended matter in turbid waters. *Remote Sensing of Environment*, 114(4), 854–866.

<https://doi.org/10.1016/j.rse.2009.11.022>

Nurgiantoro, N., & Jaelani, L. M. (2017). Monitoring of Total Suspended Solid in Coastal Waters due to Conventional Gold Mining Using Multi Temporal Satellite Data, Case Study: Bombana, Southeast Sulawesi. *IPTEK Journal of Proceedings Series*, 0(2), 83.

<https://doi.org/10.12962/j23546026.y2017i2.2285>

Olmanson L.G., Brezonik P.L., Bauer M.E. (2015) Remote Sensing for Regional Lake Water Quality Assessment: Capabilities and Limitations of Current and Upcoming Satellite Systems. In: Younos T., Parece T. (eds) *Advances in Watershed Science and Assessment*. The Handbook of Environmental Chemistry, vol 33. Springer, Cham. https://doi.org/10.1007/978-3-319-14212-8_5

Pandhadha, E. A. K., Aunurrahim, A. G., Ayudyanti, A. G., Huda, M., Sabrina, N. F., & Anindya, S. (2020). Total Suspended Solid (TSS) Estimation in Lake Tempe,

South Sulawesi Using Sentinel-2B Imagery. *Journal of Engineering Technology and Applied Physics*, 2, 19–22.

<https://doi.org/10.33093/jetap.2020.x1.4>

Prihartanto. (2017). Water turbidity fluctuation pattern in the potential flood area of the Ciujung River in Kragilan District, Serang Regency. *Jurnal Alami*, 1(1), 17-20.

Purwanto, A., Supriyanto, C., & Samin, P. (2007). VALIDASI PENGUJIAN Cr, Cu DAN Pb DENGAN METODE SPEKTROMETRI SERAPAN ATOM. *Prosiding PPI – PDIPTN 2007*.

<https://digilib.batan.go.id/ppin/katalog/file/0216-3128-2007-2-151.pdf>

Ramadianto. (2014). *PEMANFAATAN CITRA PENGINDERAAN JAUH UNTUK PEMETAAN KUALITAS AIR DI WADUK JATILUHUR, KABUPATEN PURWAKARTA, PROVINSI JAWA BARAT*. [Yogyakarta] : Universitas Gadjah Mada.

Ramspek, C. L., Jager, K. J., Dekker, F. W., Zoccali, C., & van Diepen, M. (2020). External validation of prognostic models: what, why, how, when and where? *Clinical Kidney Journal*, 14(1), 49–58. <https://doi.org/10.1093/ckj/sfaa188>

Rivani, Anggia & Wicaksono, Pramadiya. (2018). Water Trophic Status Mapping of Tecto-Volcanic Maninjau Lake during Algae Bloom using Landsat 8 OLI Satellite Imagery. 1-7. 10.1109/ICARES.2018.8547055.

Santoso, A. A. (2017). Analisis Pengaruh Tingkat Bahaya Erosi Daerah Aliran Sungai (DAS) Bengawan Solo terhadap *Total Suspended Solid* (Tss) di Perairan Waduk Gajah Mungkur. *Geodesi*, 6(4), 463–473.

Setiawan, F., Matsushita, B., Hamzah, R., Jiang, D., & Fukushima, T. (2019). Long-Term Change of the Secchi Disk Depth in Lake Maninjau, Indonesia Shown by Landsat TM and ETM+ Data. *Remote Sensing*, 11(23), 2875. <https://doi.org/10.3390/rs11232875>

Suheri, A., Kusmana, C., Purwanto, M. Y. J., & Setiawan, Y. (2019). Model Prediksi Kebutuhan Air Bersih Berdasarkan Jumlah Penduduk di Kawasan Perkotaan Sentul City. *Jurnal Teknik Sipil Dan Lingkungan*, 4(3), 207–218. <https://doi.org/10.29244/jsil.4.3.207-218>

- Steyerberg, E. W. (2019). *Clinical Prediction Models: A Practical Approach to Development, Validation, and Updating (Statistics for Biology and Health)* (2nd ed. 2019 ed.). Springer.
- Simonett, *et al* 1983, The Development and Principles of Remote Sensing, In: Manual of Remote Sensing, Vol 1, Second edition, R.N. Colwell: ed.-in-chief, Falls Church, Virginia.
- Ulfa, K., H., Muchsin, F., Candra, D. S., & Pradono, K. A. (2019). ANALISA POLA SPEKTRAL CITRA SENTINEL-2 (SPECTRAL ANALYSIS OF SENTINEL-2 IMAGES). *Berita Dirgantara*, 20(2), 38–43.
- Vanhellemont, Q., & Ruddick, K. (2015). Advantages of high quality SWIR bands for ocean colour processing: Examples from Landsat-8. *Remote Sensing of Environment*, 161, 89–106. <https://doi.org/10.1016/j.rse.2015.02.007>
- Vanhellemont, Q.; Ruddick, K. (2016) Acolite for Sentinel-2: Aquatic applications of MSI imagery. In Proceedings of the ESA Living Planet Symposium, Pragur, Czech Republic, 9–13 May 2016.
- Wahyono, H. D. (2018). PENERAPAN TEKNOLOGI ONLINE MONITORING KUALITAS AIR DI INDONESIA. *Seminar Nasional Dan Konsultasi Teknologi Lingkungan*. <https://enviro.bppt.go.id/Publikasi/ProsidingTekLing2018/>
- Wicaksono, P., Aryaguna, P. A., & Lazuardi, W. (2019b). Benthic Habitat Mapping Model and Cross Validation Using Machine-Learning Classification Algorithms. *Remote Sensing*, 11(11), 1279. <https://doi.org/10.3390/rs11111279>
- Wicaksono, P. & Hafizt, M. (2018), Dark target effectiveness for dark-object subtraction atmospheric correction method on mangrove above-ground carbon stock mapping. *IET Image Processing*, 12: 582-587. <https://doi.org/10.1049/iet-ipr.2017.0295>
- Yanjiao, W., Feng, Y., Peiqun, Z., and Wenjie, D. (2007). Experimental Research on Quantitative Inversion Models of Suspended Sediment Concentration Using Remote Sensing Technology. *Chinese Geographical Science*, 243-249.
- Zhao, J., Zhang, F., Chen, S., Wang, C., Chen, J., Zhou, H., & Xue, Y. (2020). Remote Sensing Evaluation of Total Suspended Solids Dynamic with Markov Model: A Case Study of Inland Reservoir across Administrative Boundary in South China. *Sensors (Basel, Switzerland)*, 20(23), 6911. <https://doi.org/10.3390/s20236911>