

DAFTAR PUSTAKA

- Adolf, S. (2019). *Tuna wars: Powers around the fish we love to conserve*. <https://doi.org/10.1007/978-3-030-20641-3>
- Agrawal, N., & Venugopalan, K. (2011). Speckle reduction in remote sensing images. In *2011 International Conference on Emerging Trends in Networks and Computer Communications (ETNCC)* (pp. 195–199). IEEE. <https://doi.org/10.1109/ETNCC.2011.5958515>
- Alaska Satellite Facility. (2025). *Introduction to SAR*. Alaska Satellite Facility. https://hyp3-docs.asf.alaska.edu/guides/introduction_to_sar/
- Alexandre, C., Johary, R., Catry, T., Mouquet, P., Révillion, C., Rakotondraompiana, S., & Pennober, G. (2020). A Sentinel-1 based processing chain for detection of cyclonic flood impacts. *Remote Sensing*, *12*(2), 252. <https://doi.org/10.3390/rs12020252>
- Antara News. (2023, October 24). *KKP amankan 16 rumpon ilegal di perbatasan laut Indonesia-Filipina*. <https://www.antarane.ws.com/berita/3840825/kkp-amankan-16-rumpon-ilegal-di-perbatasan-laut-indonesia-filipina>. Diakses pada 12 Mei 2025.
- Ayu, N., Agus, A., & Ibsik, S. (2017). Kinerja Dinas Kelautan dan Perikanan Kabupaten Kepulauan Selayar (Studi kasus illegal fishing), 157–167
- Chee, J. D., & Chee, J. (2013). Pearson's product-moment correlation: Sample analysis NURS 220L Clinical Course Lecturer View project Rapid Cycle Deliberate Practice View project. *ResearchGate*. <https://www.researchgate.net/publication/262011045>
- Chen, Y., Li, C., Ghamisi, P., Jia, X., & Gu, Y. (2017). Deep fusion of remote sensing data for accurate classification. *IEEE Geoscience and Remote Sensing Letters*, *14*, 1253–1257. <https://doi.org/10.1109/LGRS.2017.2704625>
- Costantini, M., Malvarosa, F., Minati, F., Trillo, F., & Vecchioli, F. (2017). Complementarity of high-resolution COSMO-SkyMed and medium-resolution Sentinel-1 SAR interferometry: Quantitative analysis of real target displacement and 3D positioning measurement precision, and potential operational scenarios. In *2017 IEEE International Geoscience and Remote Sensing Symposium (IGARSS)* (pp. 4602–4605). IEEE. <https://doi.org/10.1109/IGARSS.2017.8128026>
- Davidson, M., Snoeij, P., Attema, E., & Rommen, B. (2010). *Sentinel-1 mission overview*. In Proceedings of IGARSS 2010, EUSAR Conference. IEEE.
- De Zan, F., & Monti Guarnieri, A. (2006). TOPSAR: Terrain Observation by Progressive Scans. *IEEE Transactions on Geoscience and Remote Sensing*, *44*(9), 2352–2360. <https://doi.org/10.1109/TGRS.2006.8738>
- Drakopoulos, L., Silver, J. J., Nost, E., Gray, N. J., & Hawkins, R. (2022). Making global oceans governance in/visible with Smart Earth: The case of Global Fishing Watch. *Environment and Planning E: Nature and Space*. <https://doi.org/10.1177/25148486221111786>

- Elvidge, C., Zhizhin, M., Baugh, K., & Hsu, F. (2015). Automatic boat identification system for VIIRS low light imaging data. *Remote Sensing*, 7(3), 3020–3036. <https://doi.org/10.3390/rs70303020>
- Eriksen, T. R., Brekke, C., & Eltoft, T. (2018). Ship detection in SAR imagery: A review of techniques and applications. *IEEE Journal of Oceanic Engineering*, 43(2), 327–345. <https://doi.org/10.1109/JOE.2017.2758478>
- ESRI. (2004). *Understanding GIS: The ArcGIS book*. Environmental Systems Research Institute.
- Esri. (2025). *Buffer (Analysis)*. ArcGIS Desktop. <https://desktop.arcgis.com/en/arcmap/latest/tools/analysis-toolbox/buffer.htm>
- Filipponi, F. (2019). Sentinel-1 GRD preprocessing workflow. *Proceedings*. <https://doi.org/10.3390/ECRS-3-06201>
- Fitriani, S., Gaol, J., & Kushardono, D. (2020). Fishing-vessel detection using synthetic aperture radar (SAR) Sentinel-1 (case study: Java Sea). *International Journal of Remote Sensing and Earth Sciences*, 16, 131. <https://doi.org/10.30536/j.ijreses.2019.v16.a3235>
- Gonzalez, R. C., & Woods, R. E. (2002). *Digital Image Processing* (3rd ed.). Pearson.
- Google Earth Engine. (2024). *Sentinel-1 preprocessing*. Retrieved November 18, 2024, from <https://developers.google.com/earth-engine/guides/sentinel1#sentinel-1-preprocessing>
- Gorelick, N., Hancher, M., Dixon, M., Ilyushchenko, S., Thau, D., & Moore, R. (2017). Google Earth Engine: Planetary-scale geospatial analysis for everyone. *Remote Sensing of Environment*, 202, 18–27. <https://doi.org/10.1016/j.rse.2017.06.031>
- Griffith, L., Watts, C., Hutchinson, M., Gottwald, M., Idler, S., Bauleo, A., Carbone, A., & Bertoni, R. (2013). The Sentinel-1 SAR electronics performance. In *2013 14th International Radar Symposium (IRS)* (Vol. 1, pp. 497–502). IEEE.
- Guarnieri, A., Giudici, D., & Recchia, A. (2017). Identification of C-band radio frequency interferences from Sentinel-1 data. *Remote Sensing*, 9(11), 1183. <https://doi.org/10.3390/rs9111183>
- Herman, V., & Carlos, S. (2014). First analyses of Sentinel-1 images for maritime surveillance. *European Commission Joint Research Centre*. <https://doi.org/10.2788/132810>
- Hrysiewicz, A., Khoshlahjeh Azar, M., & Holohan, E. P. (2024). EGMS-toolkit: A set of Python scripts for improved access to datasets from the European Ground Motion Service. *Earth Science Informatics*, 17, 3825–3837. <https://doi.org/10.1007/s12145-024-01356-w>
- Hsu, F., Elvidge, C., Baugh, K., Zhizhin, M., Ghosh, T., Kroodsma, D., Susanto, A., Budy, W., Riyanto, M., Nurzaha, R., & Sudarja, Y. (2019). Cross-matching VIIRS boat

detections with vessel monitoring system tracks in Indonesia. *Remote Sensing*, 11, 995. <https://doi.org/10.3390/rs11090995>

Indonesia, & Philippines. (2014). *Agreement between the Government of the Republic of Indonesia and the Government of the Philippines concerning the delimitation of the exclusive economic zone boundary (with map)*. United Nations. Retrieved November 13, 2024, from <https://www.un.org/depts/los/LEGISLATIONANDTREATIES/STATEFILES/IDN.htm>

Jensen, J. R. (2005). *Introductory Digital Image Processing: A Remote Sensing Perspective* (3rd ed.). Prentice Hall.

Jiang, Z., & Shekhar, S. (2017). *Spatial big data science*. <https://doi.org/10.1007/978-3-319-60195-3>. Diakses pada 18 November 2024.

Kitchin, R. (2013). Big data and human geography. *Dialogues in Human Geography*, 3(3), 262–267. <https://doi.org/10.1177/2043820613513388>

Kumar, S., & Chong, I. (2018). Correlation analysis to identify the effective data in machine learning: Prediction of depressive disorder and emotion states. *International Journal of Environmental Research and Public Health*, 15, 1–24.

Li, S., Dragicevic, S., & Veenendaal, B. (2020). *Advances in Web-based GIS, Mapping Services and Applications*. CRC Press.

Liang, J., & Liu, D. (2020). A local thresholding approach to flood water delineation using Sentinel-1 SAR imagery. *ISPRS Journal of Photogrammetry and Remote Sensing*, 159, 53–62. <https://doi.org/10.1016/j.isprsjprs.2019.10.017>

Liu, J. G., & Mason, P. J. (2016). *Image Processing and GIS for Remote Sensing: Techniques and Applications* (2nd ed.). Wiley-Blackwell.

Lee, J., Jurkevich, L., Dewaele, P., Wambacq, P., & Oosterlinck, A. (1994). Speckle filtering of synthetic aperture radar images: A review. *International Journal of Remote Sensing*, 8, 313–340. <https://doi.org/10.1080/02757259409532206>.

Lee, W., & Viswanathan, K. (2020). Framework for managing illegal, unreported and unregulated fishing in ASEAN. *Asian Fisheries Science*, 33, 65–73. <https://doi.org/10.33997/j.afs.2020.33.1.008>

Leng, X., Ji, K., & Kuang, G. (2021). Radio frequency interference detection and localization in Sentinel-1 images. *IEEE Transactions on Geoscience and Remote Sensing*, 59, 9270–9281. <https://doi.org/10.1109/TGRS.2021.3049472>. Diakses pada 12 Mei 2025.

Merten, W., Reyer, A., Savitz, J., Amos, J., Woods, P., & Sullivan, B. (2016). Global Fishing Watch: Bringing transparency to global commercial fisheries. *arXiv Preprint*, arXiv:1609.08756.

- Miftahuddin, Pratama, A., & Setiawan, I. (2021). Analisis hubungan antara kelembapan relatif beberapa variabel iklim dengan pendekatan korelasi Pearson di Samudra Hindia. *Jurnal Siger Matematika*, 2(1), 25–33.
- Narasi Newsroom. (2023, Agustus 24). *Para Maling Ikan yang Kembali Masuk di Periode Kedua Jokowi | Buka Mata* [Video]. YouTube. <https://youtu.be/r6yU0M8WOM8?si=gE8wzILhSuV4y9hj>. Diakses pada 12 Mei 2025.
- Nordsee-Zeitung. (2023, Oktober 11). *Supertrawler „Margiris“ für Dockarbeiten in Bremerhaven*. <https://www.nordsee-zeitung.de/Bremerhaven/Supertrawler-Margiris-fuer-Dockarbeiten-in-Bremerhaven-112867.html>, diakses pada 25 Juni 2025.
- Oliver, C., & Quegan, S. (2004). *Understanding Synthetic Aperture Radar Images*. SciTech Publishing.
- Özkale, M. (2015). Predictive performance of linear regression models. *Statistical Papers*, 56, 531–567. <https://doi.org/10.1007/s00362-014-0596-4>. Diakses pada 18 November 2024.
- Parks, R. A., Miller, N. A., Hazen, E. L., Jacquet, J., & Boerder, K. (2021). Automatic Identification System (AIS) data for fisheries monitoring and research: Global coverage and quality. *Marine Policy*, 132, 104637. <https://doi.org/10.1016/j.marpol.2021.104637>
- Pelich, R., Longépé, N., Mercier, G., Hajduch, G., & Garello, R. (2015). Performance evaluation of Sentinel-1 data in SAR ship detection. In *2015 IEEE International Geoscience and Remote Sensing Symposium (IGARSS)* (pp. 2103–2106). IEEE. <https://doi.org/10.1109/IGARSS.2015.7326217>
- Reis, R., Datia, N., & Pato, M. (2020). A primer on understanding Google Earth Engine APIs. *International Journal of Information and Communication Technologies*, 6(4). <https://doi.org/10.34629/IPL.ISEL.I-ETC.81>
- Samiaji, R. (2015). *Harmonisasi kewenangan lembaga negara dalam menanggulangi tindak pidana illegal fishing di perairan Indonesia* [Tesis magister, Universitas Diponegoro]. Repositori Universitas Diponegoro. <https://eprints.undip.ac.id/46160/>. Diakses pada 18 November 2024.
- Sezgin, M., & Sankur, B. (2004). Survey over image thresholding techniques and quantitative performance evaluation. *Journal of Electronic Imaging*, 13(1), 146–165.
- Shapiro, L. G., & Stockman, G. C. (2001). *Computer Vision*. Prentice Hall.
- Shin, D., Yang, C., & Chowdhury, S. (2024). Enhancement of small ship detection using polarimetric combination from Sentinel-1 imagery. *Remote Sensing*, 16, 1198. <https://doi.org/10.3390/rs16071198>

- Stasolla, M., & Neyt, X. (2018). An operational tool for the automatic detection and removal of border noise in Sentinel-1 GRD products. *Sensors*, 18(10), 3454. <https://doi.org/10.3390/s18103454>
- 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. <https://doi.org/10.1016/j.isprsjprs.2020.04.001>
- Torres, R., Snoeij, P., Geudtner, D., Bibby, D., Davidson, M., Attema, E., Potin, P., Rommen, B., Floury, N., Brown, M., Traver, I., Deghaye, P., Duesmann, B., Rosich, B., Miranda, N., Bruno, C., L'Abbate, M., Croci, R., Pietropaolo, A., Huchler, M., & Rostan, F. (2012). GMES Sentinel-1 mission. *Remote Sensing of Environment*, 120, 9–24. <https://doi.org/10.1016/j.rse.2011.05.028>
- Wessley Merten, A. Reyer, J. Savitz, J. Amos & P. Woods. (2016). *Global Fishing Watch: bringing transparency to global commercial fisheries* [ArXiv].
- Yusuf, Y., Manu, L., & Luasunaung, A. (2018). Produktivitas purse seiner 15 – 30 GT penangkap ikan layang (*Decapterus* sp) (Productivity of Scads Purse Seiner 15-30 GT). , 3. <https://doi.org/10.35800/JITPT.3.1.2018.18904>.