

DAFTAR PUSTAKA

- Anand, A. B. K. M., Verma, O., & Gogoi, K. (2017). *Processing and classification of remotely sensed images*.
- Andika, T. H., & Anisa, N. S. (2020). Sistem Identifikasi Citra Daun Berbasis Segmentasi Dengan Menggunakan Metode K-Means Clustering. *Aisyah Journal of Informatics and Electrical Engineering*, 2(1), 9–17. <http://jti.aisyahuniversity.ac.id/index.php/AJIEE>
- An, Y., Cai, Z., Ma, Y., Liu, C., & Li, H. (2021, February). Boosting images quality of environment remote sensing based on Enhanced Contrast Stretching Algorithm. In *IOP Conference Series: Earth and Environmental Science* (Vol. 675, No. 1, p. 012178). IOP Publishing.
- Aslan, L. O. M., Supendy, R., Taridala, S. A. A., Hafid, H., Sifatu, W. O., Sailan, Z., & Niampe, L. (2018). Income of Seaweed Farming Households: A Case Study from Lemo of Indonesia. *IOP Conference Series: Earth and Environmental Science*, 175(1). <https://doi.org/10.1088/1755-1315/175/1/012221>
- Bhatnagar, S., Gill, L., & Ghosh, B. (2020). Drone Image Segmentation Using Machine and Deep learning For Mapping Raised Bog Vegetation Communities. *Remote Sensing*, 12(16). <https://doi.org/10.3390/RS12162602>
- Brovelli, M. A., Molinari, M. E., Hussein, E., Chen, J., & Li, R. (2015). The first comprehensive accuracy assessment of global and 30 at a national level: Methodology and results. *Remote Sensing*, 7(4), 4191–4212. <https://doi.org/10.3390/rs70404191>
- Campbell, J. B., & Wynne, R. H. (2011). *Introduction to Remote Sensing Fifth Edition*. The Guilford Press.
- Chen, C., Chen, Z., Li, M., Liu, Y., Cheng, L., & Ren, Y. (2014). Parallel relative radiometric normalisation for remote sensing image mosaics. *Computers and Geosciences*, 73, 28–36. <https://doi.org/10.1016/j.cageo.2014.08.007>
- Cheng, J., Jia, N., Chen, R., Guo, X., Ge, J., & Zhou, F. (2022). High-Resolution Mapping of Seaweed Aquaculture along the Jiangsu Coast of China Using Google Earth Engine (2016–2022). *Remote Sensing*, 14(24). <https://doi.org/10.3390/rs14246202>
- Cody, T., Lanus, E., Doyle, D. D., & Freeman, L. (2022). Systematic Training and Testing for Machine Learning Using Combinatorial Interaction Testing. *Proceedings - 2022 IEEE 14th International Conference on Software Testing*,

- Verification and Validation Workshops, ICSTW 2022*, 102–109.
<https://doi.org/10.1109/ICSTW55395.2022.00031>
- Erlania, & Radiarta, I. N. (2014). Management Of Sustainable Seaweed (*Kappaphycus alvarezii*) Aquaculture In The Context Of Climate Change Mitigation. *Indonesian Aquaculture Journal*, 9(1), 65–72.
- Foody, G. M. (2020). Explaining the unsuitability of the kappa coefficient in the assessment and comparison of the accuracy of thematic maps obtained by image classification. *Remote Sensing of Environment*, 239.
<https://doi.org/10.1016/j.rse.2019.111630>
- Hao, X., Liu, L., Yang, R., Yin, L., Zhang, L., & Li, X. (2023). A Review of Data Augmentation Methods of Remote Sensing Image Target Recognition. In *Remote Sensing* (Vol. 15, Issue 3). MDPI. <https://doi.org/10.3390/rs15030827>
- Hu, C., Zhang, S., Barnes, B. B., Xie, Y., Wang, M., Cannizzaro, J. P., & English, D. C. (2023). Mapping and quantifying pelagic Sargassum in the Atlantic Ocean using multi-band medium-resolution satellite data and deep learning. *Remote Sensing of Environment*, 289. <https://doi.org/10.1016/j.rse.2023.113515>
- Husni, A., & Budhiyanti, S. A. (2021). *Rumput Laut Sebagai Sumber Pangan, Kesehatan, dan Kosmetik* (A. A. Putri, Ed.). Gadjah Mada University Press.
- Jensen, J. R. (2006). *Remote Sensing of the Environment: An Earth Resource Perspective*. (K. E. Clarke, Ed.) Prentice Hall.
- Kementerian Kelautan dan Perikanan Republik Indonesia. (2016). *Statistik Perikanan Budidaya Indonesia Direktorat Jenderal Perikanan Budidaya Jakarta*.
- Kementerian Kelautan dan Perikanan Republik Indonesia. (2019). *KEPUTUSAN MENTERI KELAUTAN DAN PERIKANAN REPUBLIK INDONESIA NOMOR 1/KEPMEN-KP/2019 TENTANG PEDOMAN UMUM PEMBUDIDAYAAN RUMPUT LAUT*. Kementerian Kelautan dan Perikanan Republik Indonesia.
- Kementerian Kelautan dan Perikanan Republik Indonesia. (2022). *Rilis Data Kelautan dan Perikanan Triwulan IV Tahun 2022*.
- Kirillov, A., Mintun, E., Ravi, N., Mao, H., Rolland, C., Gustafson, L., ... & Girshick, R. (2023). Segment anything. In *Proceedings of the IEEE/CVF International Conference on Computer Vision* (pp. 4015-4026).
- Kupková, L., Červená, L., Potůčková, M., Lysák, J., Roubalová, M., Hrázský, Z., Březina, S., Epstein, H. E., & Müllerová, J. (2023). Towards reliable monitoring of grass species in nature conservation: Evaluation of the potential of UAV and

- PlanetScope multi-temporal data in the Central European tundra. *Remote Sensing of Environment*, 294. <https://doi.org/10.1016/j.rse.2023.113645>
- Lalitha, V., & Latha, B. (2022). A review on remote sensing imagery augmentation using deep learning. *Materials Today: Proceedings*, 62, 4772–4778. <https://doi.org/10.1016/j.matpr.2022.03.341>
- Langford, A., Waldron, S., Sulfahri, & Saleh, H. (2021). Monitoring the COVID-19-affected Indonesian seaweed industry using remote sensing data. *Marine Policy*, 127. <https://doi.org/10.1016/j.marpol.2021.104431>
- Latte, N., & Lejeune, P. (2020). PlanetScope radiometric normalization and sentinel-2 super-resolution (2.5 m): A straightforward spectral-spatial fusion of multi-satellite multi-sensor images using residual convolutional neural networks. *Remote Sensing*, 12(15). <https://doi.org/10.3390/RS12152366>
- Lee, S. H., & Chen, H. C. (2021). U-ssd: Improved ssd based on u-net architecture for end-to-end table detection in document images. *Applied Sciences (Switzerland)*, 11(23). <https://doi.org/10.3390/app112311446>
- Li, X., Liu, B., Zheng, G., Ren, Y., Zhang, S., Liu, Y., Gao, L., Liu, Y., Zhang, B., & Wang, F. (2021). Deep-learning-based information mining from ocean remote-sensing imagery. In *National Science Review* (Vol. 7, Issue 10, pp. 1584–1605). Oxford University Press. <https://doi.org/10.1093/NSR/NWAA047>
- Li, Y., Yu, Q., Tan, M., Mei, J., Tang, P., Shen, W., Yuille, A., & Xie, C. (2021). SHAPE-TEXTURE DEBIASED NEURAL NETWORK TRAINING. *ICLR*, 1–12. <https://github.com/LiYingwei/>
- Lillesand, T. M., Kiefer, R. W., & Chipman, J. W. (2008). *Remote Sensing and Image Interpretation* (6th Edition). John Wiley & Sons.
- Lillesand, T.M., Kiefer, R.W., & Chipman, J.W.. 2015. *Remote Sensing and Image Interpretation*. USA : WILEY
- Liu, Y., Zhang, Z., Liu, X., Wang, L., & Xia, X. (2021). Efficient image segmentation based on deep learning for mineral image classification. *Advanced Powder Technology*, 32(10), 3885–3903. <https://doi.org/10.1016/j.appt.2021.08.038>
- Ma, L., Liu, Y., Zhang, X., Ye, Y., Yin, G., & Johnson, B. A. (2019). Deep learning in remote sensing applications: A meta-analysis and review. In *ISPRS Journal of Photogrammetry and Remote Sensing* (Vol. 152, pp. 166–177). Elsevier B.V. <https://doi.org/10.1016/j.isprsjprs.2019.04.015>
- McCoy, R. M. (2005). *Field Methods in Remote Sensing*. The Guilford Press.

- McHugh, M.L. (2012). Lessons in biostatistics interrater reliability: the kappa statistic. *Biochemica Medica*, 22(3), 276-282.
- Minaee, S., Boykov, Y., Porikli, F., Plaza, A., Kehtarnavaz, N., & Terzopoulos, D. (2022). Image Segmentation Using Deep Learning: A Survey. *IEEE Transactions on Pattern Analysis and Machine Intelligence*, 44(7), 3523–3542. <https://doi.org/10.1109/TPAMI.2021.3059968>
- Natan, O., Putri, D. U. K., & Dharmawan, A. (2021). Deep learning-based weld spot segmentation using modified unet with various convolutional blocks. *ICIC Express Letters, Part B: Applications*, 12(12), 1169–1176. <https://doi.org/10.24507/icicelb.12.12.1169>
- Nurwidodo, Rahardjanto, A., Husamah, Mas'odi, & Mufrihah, A. (2017). POTENSI, KENDALA, DAN STRATEGI PENGEMBANGAN BUDIDAYA RUMPUT LAUT BERBASIS KOLABORASI DI DAERAH KEPULAUAN SAPEKEN KABUPATEN SUMENEP Potentions, Obstacels, and Strategy in Collaboration based Developing Seaweed Cultivation at Sapeken Islands, Sumenep Regency. *PROSIDING SEMINAR NASIONAL III*, 350–360. <http://research-report.umm.ac.id/index.php/>
- Nuryartono, N., Waldron, S., Pasaribu, S. H., & Langford, Z. (2021). *An Analysis of the South Sulawesi Seaweed Industry*. <https://doi.org/10.13140/RG.2.2.13785.24169>
- Onishi, M., & Ise, T. (2021). Explainable Identification and Mapping Of Trees Using UAV RGB Image and Deep Learning. *Scientific Reports*, 11(1). <https://doi.org/10.1038/s41598-020-79653-9>
- Pan, Z., Xu, J., Guo, Y., Hu, Y., & Wang, G. (2020). Deep learning segmentation and classification for urban village using a worldview satellite image based on U-net. *Remote Sensing*, 12(10). <https://doi.org/10.3390/rs12101574>
- Peraturan Presiden Nomor 33 Tahun 2019 tentang Peta Panduan (*Road Map*) Pengembangan Industri Rumput Laut Nasional Tahun 2018-2021.
- Rezatofighi, H., Tsoi, N., Gwak, J., Sadeghian, A., Reid, I., & Savarese, S. (2019). Generalized intersection over union: A metric and a loss for bounding box regression. *Proceedings of the IEEE Computer Society Conference on Computer Vision and Pattern Recognition*, 2019-June, 658–666. <https://doi.org/10.1109/CVPR.2019.00075>
- Ronneberger, O., Fischer, P., & Brox, T. (2015). U-net: Convolutional networks for biomedical image segmentation. *Lecture Notes in Computer Science (Including Subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)*, 9351, 234–241. https://doi.org/10.1007/978-3-319-24574-4_28

- Roy, D. P., Huang, H., Houborg, R., & Martins, V. S. (2021). A global analysis of the temporal availability of PlanetScope high spatial resolution multi-spectral imagery. *Remote Sensing of Environment*, 264. <https://doi.org/10.1016/j.rse.2021.112586>
- Sinaga, A. S. R. (2017). Implementasi Teknik Thresholding Pada Segmentasi Citra Digital. *Jurnal Mantik Penusa*, 1(2), 48–51.
- Suparmi, & Sahri, A. (2009). Mengenal Potensi Rumput Laut: Kajian Pemanfaatan Sumber Daya Rumput Laut Dari Aspek Industri dan Kesehatan. *Sultan Agung*, 44(118), 95–116.
- Wafi, A., Ariadi, H., Khumaidi, A., & Muqsith, A. (2021). Suitability Mapping of Seaweed Cultivation in Banyuputih Sub-District, Situbondo Based on Water Chemistry Indicators. *Jurnal Ilmu Perikanan*, 12(2), 170–179.
- Wang, M., & Hu, C. (2021). Satellite remote sensing of pelagic Sargassum macroalgae: The power of high resolution and deep learning. *Remote Sensing of Environment*, 264. <https://doi.org/10.1016/j.rse.2021.112631>
- Wardani, A. K., Cahyono, A. B., & Martono, D. B. Analisis Metode Deliniasi Bidang Tanah pada Citra Resolusi Tinggi dalam Pembuatan Kadaster Lengkap. *Jurnal Teknik ITS*, 5(2) : 380-384.
- Wicaksono, P., Arjasakusuma, S., & Azizan, F. A. (2023). *Final Report: Capacity Building & Knowledge Transfer In Seaweed Mapping In Indonesia*.
- Yuan, X., Shi, J., & Gu, L. (2021). A review of deep learning methods for semantic segmentation of remote sensing imagery. In *Expert Systems with Applications* (Vol. 169). Elsevier Ltd. <https://doi.org/10.1016/j.eswa.2020.114417>
- Zhang, Y., Shen, Z., & Jiao, R. (2024). Segment anything model for medical image segmentation: Current applications and future directions. *Computers in Biology and Medicine* 171. <https://doi.org/10.1016/j.combiomed.2024.108238>