



Daftar Pustaka

- Abderrahim, N. Y. Q., Abderrahim, S., & Rida, A. (2020, May). Road segmentation using u-net architecture. In *2020 IEEE international conference of moroccan geomatics (Morgeo)* (pp. 1-4). IEEE.
- Abdullahi, H. S., & Sheriff, R. E. (2022). Introduction to *deep learning in precision agriculture: Farm image feature detection using unmanned aerial vehicles through classification and optimization process of machine learning with convolution neural network*. In *Deep learning for Sustainable Agriculture* <https://doi.org/10.1016/B978-0-323-85214-2.00013-6>
- Ahmed, M. W., Saadi, S., & Ahmed, M. (2022). Automated road extraction using reinforced road indices for Sentinel-2 data. *Array*, *16*, 100257.
- Alshaikhli, T., Liu, W., & Maruyama, Y. (2019). Automated method of road extraction from aerial images using a deep convolutional neural network. *Applied Sciences*, *9*(22), 4825.
- Al-Amri, F. (2013). Studi Perbandingan Penggunaan Aspal Minyak Dengan Aspal Buton Lawele Pada Campuran Aspal Concrete Base Course (Ac-Bc) Menggunakan Metode Marshall Test. *Radial*, *4*(2), 181-190.
- Bimanjaya, A., Handayani, H. H., & Rachmadi, R. F. (2024). Penggunaan *Deep learning* dan Post-Processing Algoritma *Douglas-Peucker* untuk Ekstraksi Jaringan Jalan pada Area Urban dari Ortofoto. *GEOID*, *19*(2), 371–385. <https://doi.org/10.12962/geoid.v19i2.1127>
- Bradski, G., & Kaehler, A. (2008). Learning OpenCV. www.oreilly.com
- Chollet, F. (2021). *Deep learning with Python*. Simon and Schuster.
- Crespo, R. G., Romero, W. L., Martínez, O. S., & Montenegro-Marín, C. E. (2014). Design and Modeling to Generalized Linear Elements in a Vector Formatted Cartographic. *International Journal of Advancements in Computing Technology*, *6*(3), 96.
- Gallagher, J. (2024). *What is YOLO11? An Introduction*. Roboflow Blog. <https://blog.roboflow.com/what-is-yolo11/>
- Chandra, P. (2023). *IoU loss functions for faster & more accurate object detection*. Learnopencv.com. <https://learnopencv.com/iou-loss-functions-object-detection/>
- Carvalho, O. L. F. de, de Carvalho Júnior, O. A., Albuquerque, A. O. de, Bem, P. P. de, Silva, C. R., Ferreira, P. H. G., Moura, R. dos S. de, Gomes, R. A. T., Guimarães, R. F., & Borges, D. L. (2020). Instance Segmentation for Large, Multi-Channel Remote Sensing Imagery Using *Mask-RCNN* and a Mosaicking Approach. *Remote Sensing*, *13*(1), 39. <https://doi.org/10.3390/rs13010039>
- Gupta, A. (2018). Introduction to *deep learning*: Part 1. *Chem. Eng. Prog*, *114*(6), 22-29.
- Huang, C., Davis, L. S., & Townshend, J. R. G. (2002). An assessment of support vector machines for land cover classification. *International Journal of Remote Sensing*, *23*(4), 725–749. <https://doi.org/10.1080/01431160110040323>
- Konecny, G. (2014). Geoinformation : Remote Sensing, Photogrammetry, and Geographic Information Systems. In CRC Press (Second Edi). Taylor dan Francis Group. https://doi.org/10.1007/978-3-642-33335-4_71110
- Li, Y., Yin, C., Lei, Y., Zhang, J., & Yan, Y. (2024). RDD-YOLO: Road Damage Detection Algorithm Based on Improved *You Only Look Once* Version 8. *Applied Sciences*, *14*(8), 3360. <https://doi.org/10.3390/app14083360>



- LeCun, Y., Bengio, Y., & Hinton, G. (2015). *Deep learning*. *Nature*, 521(7553), 436–444. <https://doi.org/10.1038/nature14539>
- Lu, X., Zhong, Y., Zheng, Z., & Wang, J. (2021). Cross-domain road detection based on global-local adversarial learning framework from very high resolution satellite imagery. *ISPRS Journal of Photogrammetry and Remote Sensing*, 180(February), 296–312. <https://doi.org/10.1016/j.isprsjprs.2021.08.018>
- Mandaya, I., & Harintaka, H. (2020). Pemanfaatan Teknologi UAV (Unmanned Aerial Vehicle) untuk Identifikasi dan Klasifikasi Jenis-Jenis Kerusakan Jalan. *Rekayasa Sipil*, 14(3), 162-172.
- Moocarme, M., Abdolahnejad, M., dan Bhagwat, R. (2020). *The Deep learning with Keras Workshop*. <https://www.packtpub.com/big-data-and-business-intelligence/deep-learning-keras>
- Nixon, M., & Aguado, A. (2019). *Feature extraction and image processing for computer vision*. Academic press.
- Nurhabib, I., Seminar, K. B., & Sudradjat. (2022). Recognition and counting of oil palm tree with *deep learning* using satellite image. *IOP Conference Series: Earth and Environmental Science*, 974(1). <https://doi.org/10.1088/1755-1315/974/1/012058>
- Ramírez, F. C., Vega, F. A., & Carricondo, P. M. (2021). UAV Photogrammetry and Remote Sensing. Dalam *UAV Photogrammetry and Remote Sensing*. MDPI. <https://doi.org/10.3390/books978-3-0365-1453-6>
- Redmon, J., Divvala, S., Girshick, R., & Farhadi, A. (2016). *You Only Look Once: Unified, Real-Time Object Detection*. https://www.cv-foundation.org/openaccess/content_cvpr_2016/html/Redmon_You_Only_Look_CVP_R_2016_paper.html
- Pei, J., Wu, X., & Liu, X. (2024). YOLO-RDD: A road defect detection algorithm based on YOLO. *2024 27th International Conference on Computer Supported Cooperative Work in Design (CSCWD)*, 1695–1703. <https://doi.org/10.1109/cscwd61410.2024.10580137>
- Wan, F., Sun, C., He, H., Lei, G., Xu, L., & Xiao, T. (2022). YOLO-LRDD: a lightweight method for road damage detection based on improved YOLOv5s. *EURASIP Journal on Advances in Signal Processing*, 2022(1). <https://doi.org/10.1186/s13634-022-00931-x>
- Wolf, P. R., Dewitt, B. A., & Wilkinson, B. E. (2014). *Elements of Photogrammetry with Applications in GIS*, 4th ed. 696 pp
- Yi, L., & Zhang, G. (2012). Object-oriented remote sensing imagery classification accuracy assessment based on confusion matrix. In *2012 20th International Conference on Geoinformatics* (pp. 1-8). IEEE
- Zhao, F., & Zhang, C. (2020). Building Damage Evaluation from Satellite Imagery using *Deep learning*. *Proceedings - 2020 IEEE 21st International Conference on Information Reuse and Integration for Data Science, IRI 2020*, 82–89. <https://doi.org/10.1109/IRI49571.2020.00020>
- Zhao, K., Kang, J., Jung, J., & Sohn, G. (2018). Building extraction from satellite images using *mask R-CNN* with building boundary regularization. *IEEE Computer Society Conference on Computer Vision and Pattern Recognition Workshops, 2018-June*, 242–246. <https://doi.org/10.1109/CVPRW.2018.00045>