Daftar Pustaka

Abdollahi, A., & Pradhan, B. (2021). Integrating semantic edges and segmentation information for building extraction from aerial images using UNet. *Machine Learning with Applications*, *6*(April), 100194. https://doi.org/10.1016/j.mlwa.2021.100194

Alsabhan, W., & Alotaiby, T. (2022). Automatic Building Extraction on Satellite Images Using Unet and ResNet50. *Computational Intelligence and Neuroscience*. https://onlinelibrary.wiley.com/doi/10.1155/2022/5008854

Apostolopoulos, D. N., & Nikolakopoulos, K. G. (2020). Assessment and quantification of the accuracy of low-and high-resolution remote sensing data for shoreline monitoring. *ISPRS International Journal of Geo-Information*, *9*(6). https://doi.org/10.3390/ijgi9060391

Arasy, M. H., Suyanto, S., & Ramadhani, K. N. (2019). Aerial Image Segmentation with Clustering Using Fireworks Algorithm. *Indonesian Journal on Computing (Indo-JC)*, *4*(1), 19. https://doi.org/10.21108/indojc.2019.4.1.245

Badrinarayanan, V., Kendall, A., & Cipolla, R. (2017). SegNet: A deep convolutional encoder-decoder architecture for image segmentation. *IEEE Transactions on Pattern Analysis and Machine Intelligence*, *39*(12), 2481–2495. https://doi.org/https://doi.org/10.1109/TPAMI.2016.2644615

Bahdanau, D., Cho, K. H., & Bengio, Y. (2015). Neural machine translation by jointly learning to align and translate. *3rd International Conference on Learning Representations, ICLR 2015 - Conference Track Proceedings*, 1–15.

Baroroh, A., & Harintaka, H. (2025). Ekstraksi Otomatis Tapak Bangunan (Building Footprint) Pada Ortofoto Menggunakan Segment Anything Model (SAM). *Elipsoida: Jurnal Geodesi dan Geomatika*, *8*(1), 52-59.

Brahmantara, R. P., Ulfa, K., Rahayu, M. I., Prabowo, Y., Hestrio, Y. F., Sartika, Kustiyo, Candra, D. S., & Novresiandi, D. A. (2022). Cloud-free mosaic for high-resolution satellite to support natural resources and disaster monitoring. *IOP Conference Series: Earth and Environmental Science*, *1109*(1). https://doi.org/10.1088/1755-1315/1109/1/012053

Campbell, J. B., & Wynne, R. H. (2011). *Introduction to Remote Sensing (5th ed.)*. New York: The Guilford Press.

Che, Z., Shen, L., Huo, L., Hu, C., Wang, Y., Lu, Y., & Bi, F. (2023). MAFF-HRNet: Multi-Attention Feature Fusion HRNet for Building Segmentation in Remote Sensing Images. *Remote Sensing*, *15*(5). https://doi.org/10.3390/rs15051382

Chen, D. Y., Peng, L., Li, W. C., & Wang, Y. Da. (2021). Building extraction and number statistics in WUI areas based on UNet structure and ensemble learning. *Remote Sensing*, *13*(6), 1–19. https://doi.org/10.3390/rs13061172

Chen, L.-C., Zhu, Y., Papandreou, G., Schroff, F., & Adam, H. (2018). Encoder-Decoder with Atrous Separable Convolution for Semantic Image Segmentation. *Proceedings of the European Conference on Computer Vision (ECCV)*, 801–818.

Draelos, R. (2019). *Measuring Performance: The Confusion Matrix*. Glass Box Medicine. https://glassboxmedicine.com/2019/02/17/measuring-performance-the-confusion-matrix/

Gonzalez, R. C., & Woods, R. E. (2018). *Digital Image Processing (4th ed.)*. Pearson.

Hakim, N. I. A., Sabri, L. M., & Sukmono, A. (2019). Kajian Akurasi Citra Satelit Worldview 4 Pada Pembuatan Peta Dasar Pendaftaran Tanah. *Jurnal Geodesi Undip*, *8*(1), 308–317.

He, K., Gkioxari, G., Dollár, P., & Girshick, R. (2020). Mask R-CNN. *IEEE Transactions*

on Pattern Analysis and Machine Intelligence, *42*(2), 386–397. https://doi.org/10.1109/TPAMI.2018.2844175

He, N., Fang, L., & Plaza, A. (2020). Hybrid first and second order attention Unet for building segmentation in remote sensing images. *Science China Information Sciences*, *63*(4), 1–12. https://doi.org/10.1007/s11432-019-2791-7

Hemanth, D. J., & Estrela, V. V. (2017). *Deep Learning for Image Processing Applications*. IOS Press.

Heryadi, Y., & Irwansyah, E. (2020). *Deep Learning: Aplikasinya di Bidang Geospasial*. AWI Technology Press. https://books.google.co.id/books?id=UorwDwAAQBAJ

Indonesia, P. R. (2011). *Undang-Undang Nomor 4 Tahun 2011 tentang Informasi Geospasial*.

Julian, H. D., & Harintaka. (2019). Kajian Kehandalan Hasil Ekstraksi Bangunan Secara Otomatis Menggunakan Data Ortofoto dan LiDAR di Kota Pontianak. *Elipsoida: Jurnal Geodesi dan Geomatika*, *2*(02), 85-91.

Kristal, A., & Harintaka. (2022). Analisis Kehandalan Ekstraksi Garis Tepi Bangunan dari Data Foto Udara Menggunakan Pendekatan Deep Learning Berbasis Mask R-CNN. *Journal of Geodesy and Geomatics*, *17*(2), 273. https://doi.org/10.12962/j24423998.v17i2.11401

Li, C., Fu, L., Zhu, Q., Zhu, J., Fang, Z., Xie, Y., Guo, Y., & Gong, Y. (2021). Attention enhanced u-net for building extraction from farmland based on google and worldview-2 remote sensing images. *Remote Sensing*, *13*(21). https://doi.org/10.3390/rs13214411

Li, M., Stein, A., & de Beurs, K. M. (2020). A Bayesian characterization of urban land use configurations from VHR remote sensing images. *International Journal of Applied Earth Observation and Geoinformation*, *92*(June), 102175. https://doi.org/10.1016/j.jag.2020.102175

Lillesand, T. M., Kiefer, R. W., & Chipman, J. W. (2015). *Remote Sensing and Image Interpretation* (7th ed., Vol. 39). John Wiley & Sons.

Liu, M., Dan, J., Lu, Z., Yu, Y., Li, Y., & Li, X. (2024). CM-UNet: Hybrid CNN-Mamba UNet for Remote Sensing Image Semantic Segmentation. *Computer Vision and Pattern Recognition*, *14*(8), 1–5. http://arxiv.org/abs/2405.10530

Long, J., Shelhamer, E., & Darrell, T. (2015). Fully Convolutional Networks for Semantic Segmentation. *Proceedings of the IEEE Conference on Computer Vision and Pattern Recognition*, 3431–3440. https://doi.org/10.1109/ICCVW.2019.00113

Ma, D., Liu, B., Huang, Q., & Zhang, Q. (2023). MwdpNet: towards improving the recognition accuracy of tiny targets in high-resolution remote sensing image. *Scientific Reports*, *13*(1), 1–12. https://doi.org/10.1038/s41598-023-41021-8

Majurski, M., & Bajcsy, P. (2021). *Exact Tile-Based Segmentation Inference for Images Larger than GPU Memory*. *126*(126009), 1–16.

Maxwell, A. E., Warner, T. A., & Guillén, L. A. (2021a). Accuracy Assessment in Convolutional Neural Network-Based Deep Learning Remote Sensing Studies—Part 1: Literature Review. *Remote Sensing*. https://www.mdpi.com/1160808

Maxwell, A. E., Warner, T. A., & Guillén, L. A. (2021b). Accuracy assessment in convolutional neural network-based deep learning remote sensing studies—part 2: Recommendations and best practices. *Remote Sensing*, *13*(13). https://doi.org/10.3390/rs13132591

Memar, B., Russo, L., & Ullo, S. L. (2024). A U-Net Architecture for Building Segmentation Through Very High Resolution Cosmo-Skymed Imagery. *International Geoscience and Remote Sensing Symposium (IGARSS)*, 4653–4657. https://doi.org/10.1109/IGARSS53475.2024.10641191

Ronneberger, O., Fischer, P., & Brox, T. (2015). U-Net: Convolutional Networks for Biomedical Image Segmentation. *Computer Vision and Pattern Recognition*, *9*, 16591–16603. https://doi.org/https://doi.org/10.48550/arXiv.1505.04597

Seidlova, A., Kudelcikova, M., Mihalik, J., & Rekus, D. (2021). Interpretation of Remote Sensing Imagery. *IOP Conference Series: Earth and Environmental Science*, *906*(1). https://doi.org/10.1088/1755-1315/906/1/012070

Shanmugamani, R. (2018). Deep Learning for Computer Vision. In *Packt Publishing*. https://doi.org/10.1007/978-1-4842-4261-2_3

Siddique, N., Paheding, S., Elkin, C. P., & Devabhaktuni, V. (2021). U-Net and Its Variants for Medical Image Segmentation: A Review of Theory and Applications. *IEEE Access*, *9*, 82031–82057. https://doi.org/10.1109/ACCESS.2021.3086020

Soares, L. P., Dias, H. C., & Grohmann, C. H. (2020). Landslide Segmentation With U-Net: Evaluating Different Sampling Methods And Patch Sizes. *Image and Video Processing*.

Sun, Y., Bi, F., Gao, Y., Chen, L., & Feng, S. (2022). A Multi-Attention UNet for Semantic Segmentation in Remote Sensing Images. *Symmetry*, *14*(5), 906. https://doi.org/10.3390/sym14050906

Susetyo, D. B., Harintaka, & Rizaldy, A. (2023). The application of mask R-CNN for building extraction. In *AIP Conference Proceedings* (Vol. 2941, No. 1, p. 030001). AIP Publishing LLC.

Tabian, I., Fu, H., & Khodaei, Z. S. (2019). A convolutional neural network for impact detection and characterization of complex composite structures. *Sensors (Switzerland)*, *19*(22), 1–25. https://doi.org/10.3390/s19224933

Vaswani, A., Shazeer, N., Parmar, N., Uszkoreit, J., Jones, L., Gomez, A. N., Kaiser, Ł., & Polosukhin, I. (2017). Attention Is All You Need. *31st Conference on Neural Information Processing Systems*. https://doi.org/https://doi.org/10.48550/arXiv.1706.03762

Woo, S., Park, J., Lee, J.-Y., & Kweon, I. S. (2018). CBAM: Convolutional Block Attention Module. *Proceedings of the European Conference on Computer Vision (ECCV)*, 33–19. https://doi.org/10.1007/978-3-030-01234-2

Wu, H., Liu, Q., & Liu, X. (2019). A Review on Deep Learning Approaches to Image Classification and Object Segmentation. *Computers, Materials and Continua*, *60*(2), 575–597. https://doi.org/10.32604/cmc.2019.03595

Wu, X. (2023). Building Semantic Segmentation of High-resolution Remote Sensing Image Buildings Based on U-net Network Model Based on Pytorch Framework. *2023 International Conference on Intelligent Supercomputing and BioPharma, ISBP 2023*, 24–28. https://doi.org/10.1109/ISBP57705.2023.10061309

Zhang, A., Lipton, Z. C., Li, M., & Smola, A. J. (2023). Dive Into Deep Learning. In *Journal of the American College of Radiology*. Cambridge University Press. https://doi.org/10.1016/j.jacr.2020.02.005

Zhang, Z., Wang, W., An, A., Qin, Y., & Yang, F. (2023). A human activity recognition method using wearable sensors based on convtransformer model. Evolving Systems, 14(6), 939-955.

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

Zhou, Z., Siddiquee, M. M. R., Tajbakhsh, N., & Liang, J. (2018). UNet++: A Nested U-Net Architecture. In *Deep learning in medical image analysis and multimodal learning for clinical decision support: Vol. 11045 LNCS*. Springer International Publishing.

https://doi.org/10.1007/978-3-030-00889-5

Zhu, X. X., Tuia, D., Mou, L., Xia, G.-S., Zhang, L., Xu, F., & Fraundorfer, F. (2017). Deep Learning in Remote Sensing: A Comprehensive Review and List of Resources. *IEEE Geoscience and Remote Sensing Magazine*, *5*(4), 8–36. https://doi.org/https://doi.org/10.1109/MGRS.2017.2762307

Zou, W., Jiang, Y., Liao, W., Fan, S., Yang, Y., Hou, J., & Tang, H. (2025). Improved U-Net for Precise Gauge Dial Segmentation in Substation Inspection Systems: A Study on Enhancing Accuracy and Robustness. *Information (Switzerland)*, *16*(5). https://doi.org/10.3390/info16050382