DAFTAR PUSTAKA

Akerkar, R., & Sajja, P. S. (2016). *Intelligent Techniques for Data Science*. Springer International Publishing. https://doi.org/10.1002/int.21728

AL-Alimi, D., Shao, Y., Alalimi, A., & Abdu, A. (2020). Mask R-CNN for Geospatial Object Detection. *International Journal of Information Technology and Computer Science*, *12*(5), 63–72. https://doi.org/10.5815/ijitcs.2020.05.05

Anisa, M. N., Rokhmatuloh, & Hernina, R. (2020). UAV application to estimate oil palm trees health using Visible Atmospherically Resistant Index (VARI) (Case study of Cikabayan Research Farm, Bogor City). *E3S Web of Conferences*, *211*, 1–8. https://doi.org/10.1051/e3sconf/202021105001

Badan Pusat Statistik Kabupaten Seluma. (2019). *Statistik Daerah Kabupaten Sleuma 2019*. BPS Kabupaten Seluma.

Badan Pusat Statistik Kabupaten Seluma. (2022). *Kabupaten Seluma dalam Angka 2022*. BPS Kabupaten Seluma.

Bharati, P., & Pramanik, A. (2020). Deep Learning Techniques--R-CNN to Mask R-CNN: A Survey. In *Computational Intelligence in Pattern Recognition* (Vol. 999). https://doi.org/10.1007/978-981-13-9042-5_56

Braga, J. R. G., Peripato, V., Dalagnol, R., Ferreira, M. P., Tarabalka, Y., Aragão, L. E. O. C., de Campos Velho, H. F., Shiguemori, E. H., & Wagner, F. H. (2020). Tree crown delineation algorithm based on a convolutional neural network. *Remote Sensing*, *12*(8), 1–27. https://doi.org/10.3390/RS12081288

Colomina, I., & Molina, P. (2014). Unmanned aerial systems for photogrammetry and remote sensing: A review. *ISPRS Journal of Photogrammetry and Remote Sensing*, *92*, 79–97. https://doi.org/10.1016/j.isprsjprs.2014.02.013

Crommelinck, S., Bennett, R., Gerke, M., Nex, F., Yang, M. Y., & Vosselman, G. (2016). Review of automatic feature extraction from high-resolution optical sensor data for UAV-based cadastral mapping. *Remote Sensing*, *8*(8). https://doi.org/10.3390/rs8080689

De Smith, M., Goodchild, M. F., & Longley, P. (2007). *Geospatial analysis: a comprehensive guide to principles, techniques and software tools*. Troubador publishing ltd.

Eng, L. S., Ismail, R., Hashim, W., & Baharum, A. (2019). The use of VARI, GLI, And VIgreen formulas in detecting vegetation in aerial images. *International Journal of Technology*, *10*(7), 1385–1394. https://doi.org/10.14716/ijtech.v10i7.3275

Environmental Systems Research Institute. (2016). *Stretch function*. Diakses pada 18 Juli 2022, dari https://desktop.arcgis.com/en/arcmap/10.4/manage-data/raster-and-images/stretch-function.htm

Environmental Systems Research Institute. (2021a). *Deep Learning with ArcGIS Pro Tips & Tricks: Part 2*. Diakses pada 30 Juli 2022, dari https://www.esri.com/arcgis-blog/products/arcgis-pro/imagery/deep-learning-with-arcgis-pro-tips-tricks-part-2/

Environmental Systems Research Institute. (2021b). *Introduction to Deep Learning*. Diakses pada 30 Juni 2022, dari https://pro.arcgis.com/en/pro-app/latest/help/analysis/deep-learning/what-is-deep-learning-.htm#

Environmental Systems Research Institute. (2022a). *Data classification methods*. Diakses pada 20 Juli 2022, dari https://pro.arcgis.com/en/pro-app/latest/help/mapping/layer-properties/data-classification-methods.htm

Environmental Systems Research Institute. (2022b). *Use deep learning to assess palm tree health*. Diakses pada 30 Juni 2022, dari https://learn.arcgis.com/en/projects/use-deep-learning-to-assess-palm-tree-health/#estimate-vegetation-health

Fauzi, Y., Widyastuti, Y. E., Satyawibawa, I., & Paeru, R. H. (2012). *Kelapa Sawit: Budi Daya, Pemanfaatan Hasil dan Limbah, dan Analisis Usaha dan Pemasaran*. Penebar Swadaya.

Fawcett, T. (2006). An introduction to ROC analysis. *Pattern Recognition Letters*, *27*(8), 861–874. https://doi.org/10.1016/j.patrec.2005.10.010

Ferreira, M. P., Almeida, D. R. A. de, Papa, D. de A., Minervino, J. B. S., Veras, H. F. P., Formighieri, A., Santos, C. A. N., Ferreira, M. A. D., Figueiredo, E. O., & Ferreira, E. J. L. (2020). Individual tree detection and species classification of Amazonian palms using UAV images and deep learning. *Forest Ecology and Management*, *475*(April), 118397. https://doi.org/10.1016/j.foreco.2020.118397

Fetai, B., Račič, M., & Lisec, A. (2021). Deep learning for detection of visible land

boundaries from uav imagery. *Remote Sensing*, *13*(11). https://doi.org/10.3390/rs13112077

Gharibi, H., & Habib, A. (2018). True orthophoto generation from aerial frame images and LiDAR Data: An update. *Remote Sensing*, *10*(4), 1–28. https://doi.org/10.3390/rs10040581

Ginting, E. N., & Wiratmoko, D. (2021). Potensi dan Tantangan Penerapan Precision Farming dalam Upaya Membangun Perkebunan Kelapa Sawit yang Berkelanjutan. *Warta PPKS*, *26*(2), 55–65.

Gitelson, A. A., Stark, R., Grits, U., Rundquist, D., Kaufman, Y., & Derry, D. (2002). Vegetation and soil lines in visible spectral space: A concept and technique for remote estimation of vegetation fraction. *International Journal of Remote Sensing*, *23*(13), 2537–2562. https://doi.org/10.1080/01431160110107806

Gitelson, Anatoly A, Kaufman, Y. J., Stark, R., & Rundquist, D. (2002). Novel Algorithms for Remote Estimation of Vegetation Fraction. *Remote Sensing of Environment*, *80*, 76–87.

He, K., Gkioxari, G., Dollar, P., & Girshick, R. (2017). Mask R-CNN. *Proceedings of the IEEE International Conference on Computer Vision*, 2961–2969.

He, K., Zhang, X., Ren, S., & Sun, J. (2016). Deep Residual Learning for Image Recognition. *Proceedings of the IEEE Computer Society Conference on Computer Vision and Pattern Recognition*, 770–778.

Huang, S., Tang, L., Hupy, J. P., Wang, Y., & Shao, G. (2021). A commentary review on the use of normalized difference vegetation index (NDVI) in the era of popular remote sensing. *Journal of Forestry Research*, *32*(1), 1–6. https://doi.org/10.1007/s11676-020-01155-1

Iqbal, M. S., Ali, H., Tran, S. N., & Iqbal, T. (2021). Coconut trees detection and segmentation in aerial imagery using mask region-based convolution neural network. *IET Computer Vision*, *15*(6), 428–439. https://doi.org/10.1049/cvi2.12028

Jiao, L., Zhang, F., Liu, F., Yang, S., Li, L., Feng, Z., & Qu, R. (2019). A survey of deep learning-based object detection. *IEEE Access*, *7*, 128837–128868. https://doi.org/10.1109/ACCESS.2019.2939201

Julzarika, A. (2009). PERBANDINGAN TEKNIK ORTHOREKTIFIKASI CITRA

SATELIT SPOT5 WILAYAH SEMARANG DENGAN METODE DIGITAL MONO PLOTTING (DMP) DAN METODE RATIONAL POLYNOMIAL COEFFICIENTS (RPCs). *Jurnal Pengindraan Jauh*, *6*, 11–21.

Mokarram, M., Boloorani, A. D., & Hojati, M. (2016). Relationship between Land Cover and Vegetation Indices. Case Study: Eghlid Plain, Fars Province, Iran. *European Journal of Geography*, *7*(2), 48–60.

Mokarram, M., Hojjati, M., Roshan, G., & Negahban, S. (2015). Modeling the behavior of Vegetation Indices in the salt dome of Korsia in North-East of Darab, Fars, Iran. *Modeling Earth Systems and Environment*, *1*(3), 1–9. https://doi.org/10.1007/s40808-015-0029-y

Nugraha, D. (2018). *PEMANFAATAN FOTO UDARA MULTISPEKTRAL UNTUK PENGHITUNGAN POKOK POHON DAN PEMETAAN TANAMAN YANG TERINDIKASI PENYAKIT PADA PERKEBUNAN KELAPA SAWIT (DAERAH KAJIAN TANJUNG JABUNG TIMUR, JAMBI)*. Universitas Gadjah Mada.

Ocer, N. E., Kaplan, G., Erdem, F., Kucuk Matci, D., & Avdan, U. (2020). Tree extraction from multi-scale UAV images using Mask R-CNN with FPN. *Remote Sensing Letters*, *11*(9), 847–856. https://doi.org/10.1080/2150704X.2020.1784491

Pardamean, M. (2008). *Panduan Lengkap Pengelolaan Kebun dan Pabrik Kelapa Sawit*. Agromedia Pustaka.

Persia, M., Barca, E., Greco, R., Marzulli, M. I., & Tartarino, P. (2020). Archival aerial images georeferencing: A geostatistically-based approach for improving orthophoto accuracy with minimal number of ground control points. *Remote Sensing*, *12*(14), 1–23. https://doi.org/10.3390/rs12142232

Pleşoianu, A. I., Stupariu, M. S., Şandric, I., Pătru-Stupariu, I., & Drăguţ, L. (2020). Individual tree-crown detection and species classification in very high-resolution remote sensing imagery using a deep learning ensemble model. *Remote Sensing*, *12*(15). https://doi.org/10.3390/RS12152426

Prawiratama, H., Prasetyo, A. E., & Susanto, A. (2014). Pengendalian Penyakit Busuk Pangkal Batang Kelapa Sawit secara Kultur Teknis. *Jurnal Fitopatologi Indonesia*, *10*(1), 1–7. https://doi.org/10.14692/jfi.10.1.1

Rokhmana, C. A. (2015). The Potential of UAV-based Remote Sensing for Supporting

Precision Agriculture in Indonesia. *Procedia Environmental Sciences*, *24*, 245–253. https://doi.org/10.1016/j.proenv.2015.03.032

Saadatseresht, M., Hashempour, A. H., & Hasanlou, M. (2015). UAV photogrammetry: A practical solution for challenging mapping projects. *International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives*, *40*(1W5), 619–623. https://doi.org/10.5194/isprsarchives-XL-1-W5-619-2015

Santra, a. K., & Christy, C. J. (2012). Genetic Algorithm and Confusion Matrix for Document Clustering. *International Journal of Computer Science*, *9*(1), 322–328. http://ijcsi.org/papers/IJCSI-9-1-2-322-328.pdf

Sarker, I. H. (2021). Deep Learning: A Comprehensive Overview on Techniques, Taxonomy, Applications and Research Directions. *SN Computer Science*, *2*(6), 1–20. https://doi.org/10.1007/s42979-021-00815-1

Sondang, V. A. (2017). Pembuatan Model Ortofoto Hasil Perkaman dengan Wahana UAV Menggunakan Perangkat Lunak Fotogrametri. *Jurnal Tekno Global*, *6*(2), 1–5. http://ejournal.uigm.ac.id/index.php/TG/article/view/396

Stefano, A. (2019). Pemanfaatan GIS (Geographic Information System) untuk Memonitor Kesehatan Tanaman Kelapa Sawit. *Jurnal Agriment*, *15*(02), 8–17.

Tu, Y. H., Phinn, S., Johansen, K., Robson, A., & Wu, D. (2020). Optimising drone flight planning for measuring horticultural tree crop structure. *ISPRS Journal of Photogrammetry and Remote Sensing*, *160*(December 2019), 83–96. https://doi.org/10.1016/j.isprsjprs.2019.12.006

Wu, X., Sahoo, D., & Hoi, S. C. H. (2020). Recent advances in deep learning for object detection. *Neurocomputing*, *396*, 39–64. https://doi.org/10.1016/j.neucom.2020.01.085

Yarak, K., Witayangkurn, A., Kritiyutanont, K., Arunplod, C., & Shibasaki, R. (2021). Oil palm tree detection and health classification on high-resolution imagery using deep learning. *Agriculture (Switzerland)*, *11*(2), 1–17. https://doi.org/10.3390/agriculture11020183

Yu, K., Hao, Z., Post, C. J., Mikhailova, E. A., Lin, L., Zhao, G., Tian, S., & Liu, J. (2022). Comparison of Classical Methods and Mask R-CNN for Automatic Tree Detection and Mapping Using UAV Imagery. *Remote Sensing*, *14*(2).

https://doi.org/10.3390/rs14020295

Zaidi, S. S. A., Ansari, M. S., Aslam, A., Kanwal, N., Asghar, M., & Lee, B. (2022). A survey of modern deep learning based object detection models. *Digital Signal Processing: A Review Journal*, *126*, 103514. https://doi.org/10.1016/j.dsp.2022.103514

Zhang, A., Lipton, Z. C., Li, M., & Smola, A. J. (2020). Dive Into Deep Learning. *Journal of the American College of Radiology*, *17*(5), 637–638. https://doi.org/10.1016/j.jacr.2020.02.005

Zhang, L., Wu, J., Fan, Y., Gao, H., & Shao, Y. (2020). An Efficient Building Extraction Method from High Spatial Resolution Remote Sensing Images Based on Improved Mask R-CNN. *Sensors*, *20*, 1–13.

Zhao, Z. Q., Zheng, P., Xu, S. T., & Wu, X. (2019). Object Detection with Deep Learning: A Review. *IEEE Transactions on Neural Networks and Learning Systems*, *30*(11), 3212–3232. https://doi.org/10.1109/TNNLS.2018.2876865

Zheng, J., Fu, H., Li, W., Wu, W., Yu, L., Yuan, S., Tao, W. Y. W., Pang, T. K., & Kanniah, K. D. (2021). Growing status observation for oil palm trees using Unmanned Aerial Vehicle (UAV) images. *ISPRS Journal of Photogrammetry and Remote Sensing*, *173*(August 2020), 95–121. https://doi.org/10.1016/j.isprsjprs.2021.01.008

Zhou, M., Ma, X., Wang, K., Cheng, T., Tian, Y., Wang, J., Zhu, Y., Hu, Y., Niu, Q., Gui, L., Yue, C., & Yao, X. (2020). Detection of phenology using an improved shape model on time-series vegetation index in wheat. *Computers and Electronics in Agriculture*, *173*(March), 105398. https://doi.org/10.1016/j.compag.2020.105398