

DAFTAR PUSTAKA

- Aini, Q., Lutfiani, N., Kusumah, H., & Zahran, M. S. (2021). Deteksi dan Pengenalan Objek Dengan Model Machine Learning: Model Yolo. *CESS (Journal of Computer Engineering, System and Science)*, 6(2), 192–199. <https://doi.org/10.24114/cess.v6i2.25840>
- Andrekhya, M. Z., & Huda, Y. (2021). Deteksi Warna Manggis Menggunakan Pengolahan Citra dengan Opencv Python. *Voteteknika (Vocational Teknik Elektronika Dan Informatika)*, 9(4), 27–33. <https://doi.org/10.24036/voteteknika.v9i4.114251>
- Astuti, Z. M., Ishartani, D., & Muhammad, D. R. A. (2021). PENGGUNAAN PEMANIS RENDAH KALORI STEVIA PADA VELVA TOMAT (*Lycopersicum esculentum* mill). *Jurnal Teknologi Hasil Pertanian*, 14(1), 31–43. <https://doi.org/10.20961/jthp.v14i1.43696>
- Cowton, J., Kyriazakis, I., & Bacardit, J. (2019). Automated Individual Pig Localisation, Tracking and Behaviour Metric Extraction Using Deep Learning. *IEEE Access*, 7, 108049–108060. <https://doi.org/10.1109/ACCESS.2019.2933060>
- Dinata, R. K., & Hasdyna, N. (2020). *Machine Learning*. Lhokseumawe: Unimal Press.
- Dwyer, B. (2020). *Advanced Augmentation in Roboflow*. <https://blog.roboflow.com/advanced-augmentations/> (accessed October 20, 2023)
- Fathurohman, A. (2021). Machine Learning untuk Pendidikan: Mengapa dan Bagaimana. *Jurnal Informatika Dan Teknologi Komputer*, 1(3), 57–62. <https://journal.amikveteran.ac.id/index.php/jitek>
- Gallagher, J. (2023). *Generate Image Augmentations with Roboflow*. <https://blog.roboflow.com/image-augmentation/> (accessed June 09, 2023)
- Guntara, R. G. (2023). Pemanfaatan Google Colab Untuk Aplikasi Pendeteksian Masker Wajah Menggunakan Algoritma Deep Learning YOLOv7. *Jurnal Teknologi Dan Sistem Informasi Bisnis*, 5(1), 55–60. <https://doi.org/10.47233/jteksis.v5i1.750>
- Halid, E., Mutalib, A., Inderati, S., & D, R. (2021). PERTUMBUHAN DAN PRODUKSI TANAMAN TOMAT (*Lycopersium esculentum* Mill.) PADA PEMBERIAN BERBAGAI DOSIS BUBUK CANGKANG TELUR. *Agroplanta: Jurnal Ilmiah Terapan Budidaya Dan Pengelolaan Tanaman Pertanian Dan Perkebunan*, 10(1), 59–66. <https://doi.org/10.51978/agro.v10i1.250>
- Hendra, Triyanto, D., & Ristian, U. (2021). Rancang Bangun Smart Green House Berbasis Internet of Things. *Coding: Jurnal Komputer Dan Aplikasi*, 09(03), 352–363.
- Julianto, A., Sunyoto, A., & Wahyu Wibowo, F. (2022). Optimasi Hyperparameter Convolutional Neural Network Untuk Klasifikasi Penyakit Tanaman Padi.

TEKNIMEDIA: Teknologi Informasi Dan Multimedia, 3(2), 98–105.
<https://doi.org/10.46764/teknimedia.v3i2.77>

- Khairunnas, K., Yuniarno, E. M., & Zaini, A. (2021). Pembuatan Modul Deteksi Objek Manusia Menggunakan Metode YOLO untuk Mobile Robot. *Jurnal Teknik ITS*, 10(1), A50–A55. <https://doi.org/10.12962/j23373539.v10i1.61622>
- Lawal, M. O. (2021). Tomato detection based on modified YOLOv3 framework. *Scientific Reports*, 11(1), 1–11. <https://doi.org/10.1038/s41598-021-81216-5>
- Lou, H., Duan, X., Guo, J., Liu, H., Gu, J., Bi, L., & Chen, H. (2023). *DC-YOLOv8: Small Size Object Detection Algorithm Based on Camera Sensor*. <https://doi.org/10.20944/PREPRINTS202304.0124.V1>
- Lucas, Y. (2019). *Credit card fraud detection using machine learning with integration of contextual knowledge* (Doctoral dissertation, Université de Lyon; Universität Passau (Deutschland)).
- Lusiana, L., Wibowo, A., & Dewi, T. K. (2023). Implementasi Algoritma Deep Learning You Only Look Once (YOLOv5) Untuk Deteksi Buah Segar Dan Busuk. *Jurnal Ilmiah Pertanian*, 11(1), 123–130.
- MINARNO, A. E., MANDIRI, M. H. C., & ALFARIZY, M. R. (2021). Klasifikasi COVID-19 menggunakan Filter Gabor dan CNN dengan Hyperparameter Tuning. *ELKOMIKA: Jurnal Teknik Energi Elektrik, Teknik Telekomunikasi, & Teknik Elektronika*, 9(3), 493–504. <https://doi.org/10.26760/elkomika.v9i3.493>
- Nelson, J. (2020). *What is Image Preprocessing dan Augmentation*. <https://blog.roboflow.com/why-preprocess-augment/> (accessed October 19, 2023)
- Nugroho, K. S. (2019). *Confusion Matrix untuk Evaluasi Model pada Supervised Learning*. <https://ksnugroho.medium.com/confusion-matrix-untuk-evaluasi-model-pada-unsupervised-machine-learning-bc4b1ae9ae3f/> (accessed June 09, 2023)
- Nuha, M. S., & Alexandro H., R. (2022). Pemanfaatan Yolo untuk Pengenalan Kesegaran Buah Mangga. *Joutica*, 7(1), 513–518. <https://doi.org/10.30736/jti.v7i1.747>
- Phung, V. H., & Rhee, E. J. (2019). A High-accuracy model average ensemble of convolutional neural networks for classification of cloud image patches on small datasets. *Applied Sciences (Switzerland)*, 9(21), 1–16. <https://doi.org/10.3390/app9214500>
- Rahma, L., Syaputra, H., Mirza, A. H., & Purnamasari, S. D. (2021). Objek Deteksi Makanan Khas Palembang Menggunakan Algoritma YOLO (You Only Look Once). *Jurnal Nasional Ilmu Komputer*, 2(3), 213–232. <https://doi.org/10.47747/jurnalnik.v2i3.534>

- Redmon, J., Divvala, S., Girshick, R., & Farhadi, A. (2016). You only look once: Unified, real-time object detection. *Proceedings of the IEEE Computer Society Conference on Computer Vision and Pattern Recognition*, 1–10.
<https://doi.org/10.1109/CVPR.2016.91>
- Reis, D., Kupec, J., Hong, J., & Daoudi, A. (2023). *Real-Time Flying Object Detection with YOLOv8*. <http://arxiv.org/abs/2305.09972>
- Riska, S. Y., & Subekti, P. (2016). Klasifikasi Level Kematangan Buah Tomat Berdasarkan Fitur Warna Menggunakan Multi-Svm. *Jurnal Ilmiah Informatika*, 1(1), 39–45.
<https://doi.org/10.35316/jimi.v1i1.442>
- Rochmawati, N., Hidayati, H. B., Yamasari, Y., Tjahyaningtjas, H. P. A., Yustanti, W., & Prihanto, A. (2021). Analisa *Learning rate* dan Batch Size pada Klasifikasi Covid Menggunakan Deep Learning dengan Optimizer Adam. *Journal of Information Engineering and Educational Technology*, 5(2), 44–48.
<https://doi.org/10.26740/jieet.v5n2.p44-48>
- Sadya, S. (2023). *Produksi Tomat Indonesia Capai 1,12 Juta Ton pada 2022*. <https://dataindonesia.id/agribisnis-kehutanan/detail/produksi-tomat-indonesia-capai-112-juta-ton-pada-2022> (accessed May 23, 2023)
- Sanjaya, S. (2019). Penerapan Learning Vector Quantization Pada Pengelompokan Tingkat Kematangan Buah Tomat Berdasarkan Warna Buah. *Jurnal CoreIT: Jurnal Hasil Penelitian Ilmu Komputer Dan Teknologi Informasi*, 5(2), 49–55.
<https://doi.org/10.24014/coreit.v5i2.8199>
- Sanjaya, S. (2022). Aplikasi Pengenalan Tingkat Kematangan Buah Tomat Menggunakan Fitur Warna Hsv Berbasis Android. *Jurnal Teknoinfo*, 16(1), 26–33.
<https://doi.org/10.33365/jti.v16i1.1489>
- Saputro, I. W., & Sari, B. W. (2019). Uji Performa Algoritma Naïve Bayes untuk Prediksi Masa Studi Mahasiswa. *Creative Information Technology Journal*, 6(1), 1–11.
<https://doi.org/10.24076/citec.2019v6i1.178>
- Soen, G. I. E., Marlina, & Renny. (2022). Implementasi Cloud Computing dengan Google Colaboratory Pada Aplikasi Pengolah Data Zoom Participants. *Journal Informatic Technology and Communication*, 6(1), 24–30.
- Taufiq, R. M., Sunanto, Rizki, Y., & Pratama, M. R. A. (2022). Simulasi Deteksi Golongan Kendaraan pada Gerbang Tol Menggunakan YOLOv4. *Jurnal CoSciTech (Computer Science and Information Technology)*, 3(2), 199–206.
<https://doi.org/10.37859/coscitech.v3i2.3928>
- Thariq, A., & Bakti, R. Y. (2021). Sistem Deteksi Masker dengan Metode Haar Cascade pada Era New Normal COVID-19. *Jurnal Sistem Dan Teknologi Informasi (Justin)*, 9(2), 241–244. <https://doi.org/10.26418/justin.v9i2.44309>

- Widyawati, W., & Febriani, R. (2021). Real-time detection of fruit ripeness using the YOLOv4 algorithm. *TEKNIKA: JURNAL SAINS DAN TEKNOLOGI*, 17(02), 205–210. <https://doi.org/http://dx.doi.org/10.36055/tjst.v17i2.12254>
- Xiao, B., Nguyen, M., & Yan, W. Q. (2023). Fruit ripeness identification using YOLOv8 model. *Multimedia Tools and Applications*, 1–18. <https://doi.org/10.1007/s11042-023-16570-9>
- Yudha, R. A., Hariyani, Y. S., & Ramadan, D. N. (2019). Aplikasi Pendeteksi Ukuran Kemeja Menggunakan Opencv Pada Smartphone. *E-Proceeding of Applied Science*, 5(1), 176–199.
- Yumang, A. N., Rubia, D. C., & Yu, K. P. G. (2022). Determining the Ripeness of Edible Fruits using YOLO and the OVA Heuristic Model. *2022 IEEE 14th International Conference on Humanoid, Nanotechnology, Information Technology, Communication and Control, Environment, and Management, HNICEM 2022*, 1–6. <https://doi.org/10.1109/HNICEM57413.2022.10109379>
- Yung, N. D. T., Wong, W. K., Juwono, F. H., & Sim, Z. A. (2022). Safety Helmet Detection Using Deep Learning: Implementation and Comparative Study Using YOLOv5, YOLOv6, and YOLOv7. *2022 International Conference on Green Energy, Computing and Sustainable Technology, GECOST 2022*, 164–170. <https://doi.org/10.1109/GECOST55694.2022.10010490>