

DAFTAR PUSTAKA

- Abas, S. M., Abdulazeez, A. M., & Zeebaree, D. Q. (2022). A YOLO and convolutional neural network for the detection and classification of leukocytes in leukemia. *Indonesian Journal of Electrical Engineering and Computer Science*, 25(1), 200–213. <https://doi.org/10.11591/ijeecs.v25.i1.pp200-213>
- Adeniji, K. A., Onibonoje, M. O., Minevesho, A., Ejidokun, T., & Omitola, O. O. (2022). A robust 4.0 dual-classifier for determining the internal condition of watermelons using YOLOv4-tiny and sensory. *Indonesian Journal of Electrical Engineering and Computer Science*, 28(3), 1834–1844. <https://doi.org/10.11591/ijeecs.v28.i3.pp1834-1844>
- Afis Julianto, Andi Sunyoto, & Ferry Wahyu Wibowo. (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>
- Agustiani, S., Tajul Arifin, Y., Junaidi, A., Khotimatul Wildah, S., & Mustopa, A. (2022). Klasifikasi Penyakit Daun Padi menggunakan Random Forest dan Color Histogram. *Jurnal Komputasi*, 10(1). <https://doi.org/10.23960/komputasi.v10i1.2961>
- Ahadin, A. I., Hana, F. M., & Prihandono, A. (2024). Pengembangan Model Deteksi Tumor Otak pada Magnetic Resonance Imaging Menggunakan Arsitektur YOLOv10. 21(2), 117–128. <https://doi.org/10.30595/sainteks.v21i2.23989>
- Ahmad Baihaqi, K., & Zonyfar, C. (2022). Deteksi Lahan Pertanian Yang Terdampak Hama Tikus Menggunakan Yolo v5. *Syntax : Jurnal Informatika*, 11(02), 01–11. <https://doi.org/10.35706/syji.v11i02.7226>
- Ali, B. S., Nasir, H., Khan, A., Ashraf, M., & Akbar, S. M. (2024). A Machine Learning-Based Model for the Detection of Skin Cancer Using YOLOv10. 2024 *IEEE 8th International Conference on Signal and Image Processing Applications (ICSIPA)*, 1–6. <https://doi.org/10.1109/ICSIPA62061.2024.10686198>
- Andrekhya, M. Z., & Huda, Y. (2021). Deteksi Warna Manggis Menggunakan Pengolahan Citra dengan Opencv Python. *Voteteknika (Vocational Teknik*

- Elektronika Dan Informatika*), 9(4), 27.
<https://doi.org/10.24036/voteteknika.v9i4.114251>
- Anwar, K., & Setyowibowo, S. (2021). Segmentasi Kerusakan Daun Padi pada Citra Digital. *Jurnal Edukasi Dan Penelitian Informatika (JEPIN)*, 7(1), 39.
<https://doi.org/10.26418/jp.v7i1.42331>
- Anwar, M., Kristian, Y., & Setyati, E. (2023). Klasifikasi Penyakit Tanaman Cabai Rawit Dilengkapi Dengan Segmentasi Citra Daun dan Buah Menggunakan Yolo v7. *INTECOMS: Journal of Information Technology and Computer Science*, 6(1), 540–548. <https://doi.org/10.31539/intecom.v6i1.6071>
- Arahman, H. (2022). Tingkat Akurasi dalam Analisis Perbandingan Metode ORESTE dengan PSI terhadap Penilai Kinerja Dosen. *Jurnal Informasi Dan Teknologi*, 5(1), 7–12. <https://doi.org/10.37034/jidt.v5i1.220>
- Arifianto, T., & Arifidin, M. A. A. (2024). *Pengembangan Sistem Pengambilan Data Visual Permukaan Rel Kereta Api Menggunakan Teknik Pengolahan Citra : Analisis Kontras dan Histogram*. 24(1), 33–41.
- Arnita, A., Marpaung, F., Koemadji, Z. A., Hidayat, M., Widiyanto, A., & Aulia, F. (2023). Selection of Food Identification System Features Using Convolutional Neural Network (CNN) Method. *Scientific Journal of Informatics*, 10(2), 205–216. <https://doi.org/10.15294/sji.v10i2.44059>
- Aruna Kumari, G. L., Padmaja, P., & Suma, J. G. (2022). A novel method for prediction of diabetes mellitus using deep convolutional neural network and long short-term memory. *Indonesian Journal of Electrical Engineering and Computer Science*, 26(1), 404–413. <https://doi.org/10.11591/ijeecs.v26.i1.pp404-413>
- Baccouche, A., Garcia-Zapirain, B., Olea, C. C., & Elmaghraby, A. S. (2021). Breast lesions detection and classification via YOLO-based fusion models. *Computers, Materials and Continua*, 69(1), 1407–1425.
<https://doi.org/10.32604/cmc.2021.018461>
- Bengio, Y., Lecun, Y., & Hinton, G. (2021). Deep learning for AI. *Communications of the ACM*, 64(7), 58–65. <https://doi.org/10.1145/3448250>
- Bhargava, A., & Bansal, A. (2021). Fruits and vegetables quality evaluation using computer vision: A review. *Journal of King Saud University - Computer and Information Sciences*, 33(3), 243–257.
<https://doi.org/https://doi.org/10.1016/j.jksuci.2018.06.002>
- Bhatt, D., Patel, C., Talsania, H., Patel, J., Vaghela, R., Pandya, S., Modi, K., &

- Ghayvat, H. (2021). Cnn variants for computer vision: History, architecture, application, challenges and future scope. *Electronics (Switzerland)*, 10(20), 1–28. <https://doi.org/10.3390/electronics10202470>
- Bhuyan, M. K. (2020). Computer Vision and Image Processing. In *Taylor & Francis Group, LLC CRC Press is an imprint of Taylor & Francis Group, an Informa business* (Vol. 5, Issue 1). <https://doi.org/10.1007/s00791-002-0087-3>
- Budiyanta, N. E., Mulyadi, M., & Tanudjaja, H. (2021). Sistem Deteksi Kemurnian Beras berbasis Computer Vision dengan Pendekatan Algoritma YOLO. *Jurnal Informatika: Jurnal Pengembangan IT*, 6(1), 51–55. <https://doi.org/10.30591/jpit.v6i1.2309>
- Cahya Rahmad, ST., M.Kom., Dr. Eng., Arie Rachmad Syulistyo, S.Kom., M.Kom, & Alan Rizky Wardana. (2022). Pengembangan Aplikasi Deep Learning Pengenalan Wajah Pada Media Online Untuk Mengetahui Kehadiran Mahasiswa. *Jurnal Informatika Polinema*, 8(3), 8–14. <https://doi.org/10.33795/jip.v8i3.817>
- Chairi, A., & Mukhaiyar, R. (2023). Sistem Kontrol Color Sorting Machine dengan Pengolahan Citra Digital. *JTEIN: Jurnal Teknik Elektro Indonesia*, 4(1), 387–396.
- Chazar, C., & Erawan, B. (2020). Machine Learning Diagnosis Kanker Payudara Menggunakan Algoritma Support Vector Machine. *INFORMASI (Jurnal Informatika Dan Sistem Informasi)*, 12(1), 67–80. <https://doi.org/10.37424/informasi.v12i1.48>
- Chen, H. Y., Lin, C. H., Lai, J. W., & Chan, Y. K. (2023). Convolutional Neural Network-Based Automated System for Dog Tracking and Emotion Recognition in Video Surveillance. *Applied Sciences (Switzerland)*, 13(7). <https://doi.org/10.3390/app13074596>
- Chen, W., Huang, H., Peng, S., Zhou, C., & Zhang, C. (2021). YOLO-face: a real-time face detector. *The Visual Computer*, 37(4), 805–813. <https://doi.org/10.1007/s00371-020-01831-7>
- Confalonieri, R., Coba, L., Wagner, B., & Besold, T. R. (2021). A historical perspective of explainable Artificial Intelligence. *Wiley Interdisciplinary Reviews: Data Mining and Knowledge Discovery*, 11(1), 1–21. <https://doi.org/10.1002/widm.1391>
- Deden Miftah Fauzi, M., Al Mudzakir, T., Emilia Sukmawati, C., & Indra, J. (2024). Deteksi Jenis Penyakit Pada Tanaman Padi Menggunakan Yolo V5. *Media*

- Online*), 5(1), 39–48. <https://doi.org/10.30865/klik.v5i1.2009>
- Dewi, C., Chen, R. C., Liu, Y. T., Jiang, X., & Hartomo, K. D. (2021). Yolo V4 for Advanced Traffic Sign Recognition with Synthetic Training Data Generated by Various GAN. *IEEE Access*, 9, 97228–97242. <https://doi.org/10.1109/ACCESS.2021.3094201>
- Ding, Z., Guo, J., Liu, J., & Zhu, H. (2023). A mask-wearing detection algorithm based on improved YOLOv7. *ACM International Conference Proceeding Series*, 165–173. <https://doi.org/10.1145/3614008.3614032>
- Diwan, T., Anirudh, G., & Tembhurne, J. V. (2023). Object detection using YOLO: challenges, architectural successors, datasets and applications. *Multimedia Tools and Applications*, 82(6), 9243–9275. <https://doi.org/10.1007/s11042-022-13644-y>
- Fadjeri, A., Saputra, B. A., Adri Ariyanto, D. K., & Kurniatin, L. (2022). Karakteristik Morfologi Tanaman Selada Menggunakan Pengolahan Citra Digital. *Jurnal Ilmiah SINUS*, 20(2), 1. <https://doi.org/10.30646/sinus.v20i2.601>
- Guan, S., Lin, Y., Lin, G., Su, P., Huang, S., Meng, X., Liu, P., & Yan, J. (2024). Real-Time Detection and Counting of Wheat Spikes Based on Improved YOLOv10. *Computers and Electronics in Agriculture*, 218, 1–19. <https://doi.org/10.1016/j.compag.2024.108670>
- Guo, M. H., Xu, T. X., Liu, J. J., Liu, Z. N., Jiang, P. T., Mu, T. J., Zhang, S. H., Martin, R. R., Cheng, M. M., & Hu, S. M. (2022). Attention mechanisms in computer vision: A survey. *Computational Visual Media*, 8(3), 331–368. <https://doi.org/10.1007/s41095-022-0271-y>
- Han, X., Chang, J., & Wang, K. (2021). Real-time object detection based on YOLO-v2 for tiny vehicle object. *Procedia Computer Science*, 183, 61–72. <https://doi.org/10.1016/j.procs.2021.02.031>
- Hayati, N. J., Singasatia, D., & Muttaqin, M. R. (2023). Object Tracking Menggunakan Algoritma You Only Look Once (YOLO)v8 untuk Menghitung Kendaraan. *Komputa : Jurnal Ilmiah Komputer Dan Informatika*, 12(2), 91–99. <https://doi.org/10.34010/komputa.v12i2.10654>
- Heaton, J. (2017). Ian Goodfellow, Yoshua Bengio, and Aaron Courville: Deep learning: The MIT Press, 2016, 800 pp, ISBN: 0262035618. *Genetic Programming and Evolvable Machines*, 19(1–2), 305–307. <https://doi.org/10.1007/s10710-017-9314-z>

- Heydarian, M., Doyle, T. E., & Samavi, R. (2022). MLCM: Multi-Label Confusion Matrix. *IEEE Access*, 10, 19083–19095. <https://doi.org/10.1109/ACCESS.2022.3151048>
- Hidayat, A. R., & Lusiana, V. (2022). Deteksi Jenis Sayuran dengan Tensorflow Dengan Metode Convolutional Neural Network. *Jurnal Sains Komputer & Informatika (J-SAKTI)*, 6(2), 1032–1040.
- Hilalullailay, R., Kusnadi, N., & Rachmina, D. (2021). Analisis Efisiensi Usahatani Padi di Jawa dan Luar Jawa, Kajian Prospek Peningkatan Produksi Padi Nasional. *Jurnal Agribisnis Indonesia*, 9(2), 143–153. <https://doi.org/10.29244/jai.2021.9.2.143-153>
- Jayasooriya, G. R. I. L., & Arachchi, S. M. (2022). Diagnosis of Bacterial Leaf Blight, Brown Spots, and Leaf Smut Rice Plant Diseases using Light GBM. *International Journal of Computer Applications*, 183(48), 53–58. <https://doi.org/10.5120/ijca2022921895>
- Jiang, P., Ergu, D., Liu, F., Cai, Y., & Ma, B. (2022). A Review of Yolo Algorithm Developments. *Procedia Computer Science*, 199, 1066–1073. <https://doi.org/https://doi.org/10.1016/j.procs.2022.01.135>
- Jumadi, J., Yupianti, Y., & Sartika, D. (2021). Pengolahan Citra Digital Untuk Identifikasi Objek Menggunakan Metode Hierarchical Agglomerative Clustering. *JST (Jurnal Sains Dan Teknologi)*, 10(2), 148–156. <https://doi.org/10.23887/jstundiksha.v10i2.33636>
- Kaestria, R., & Himmah, E. F. (2023). Implementasi Bahasa Pemrograman Python untuk Path analysis. *Jurnal Komputasi*, 11(2), 105–117. <https://doi.org/10.23960/komputasi.v11i2.6634>
- Kaur, N., & Gupta, G. (2023). Refurbished and improvised model using convolution network for autism disorder detection in facial images. *Indonesian Journal of Electrical Engineering and Computer Science*, 29(2), 883–889. <https://doi.org/10.11591/ijeecs.v29.i2.pp883-889>
- Khairunnas, K., Yuniarno, E. M., & Zaini, A. (2021). Pembuatan Modul Deteksi Objek Manusia Menggunakan Metode YOLO untuk Mobile Robot. *Jurnal Teknik ITS*, 10(1). <https://doi.org/10.12962/j23373539.v10i1.61622>
- Kocacinar, B., Tas, B., Akbulut, F. P., Catal, C., & Mishra, D. (2022). A Real-Time CNN-Based Lightweight Mobile Masked Face Recognition System. *IEEE Access*, 10, 63496–63507. <https://doi.org/10.1109/ACCESS.2022.3182055>

- Kotta, C. R., Paseru, D., & Sumampouw, M. (2022). Implementasi Metode Convolutional Neural Network untuk Mendeteksi Penyakit pada Citra Daun Tomat. *Jurnal_Pekommas_Vol._7_No, 2*, 123–132.
- Kusuma, A. S., Pradana, A. I., & Pamekas, B. W. (2024). *Pengembangan Sistem Perhitungan Jumlah Kendaraan Berdasarkan Jenis Kendaraan Menggunakan Algoritma YOLO Secara Realtime*. 7, 166–179.
- Latif, G., Abdelhamid, S. E., Mallouhy, R. E., Alghazo, J., & Kazimi, Z. A. (2022). Deep Learning Utilization in Agriculture: Detection of Rice Plant Diseases Using an Improved CNN Model. *Plants*, 11(17). <https://doi.org/10.3390/plants11172230>
- Lee, Y., Kim, H., Min, S., & Yoon, H. (2023). Structural damage detection using deep learning and FE model updating techniques. *Scientific Reports*, 13(1), 1–20. <https://doi.org/10.1038/s41598-023-46141-9>
- Li, M., & Huang, L. (2024). *An Artificial Neural Network-Based Approach to Improve Non-Destructive Asphalt Pavement Density Measurement with an Electrical Density Gauge*. 304–322.
- Li, Y., Guo, Z., Sun, Y., Chen, X., & Cao, Y. (2024). *Weed Detection Algorithms in Rice Fields Based on Improved YOLOv10n*.
- Lin, Y., Huang, Z., Liang, Y., Liu, Y., & Jiang, W. (2024). AG-YOLO: A Rapid Citrus Fruit Detection Algorithm with Global Context Fusion. *Agriculture (Switzerland)*, 14(1). <https://doi.org/10.3390/agriculture14010114>
- Liu, W., Ren, G., Yu, R., Guo, S., Zhu, J., & Zhang, L. (2022). Image-Adaptive YOLO for Object Detection in Adverse Weather Conditions. *Proceedings of the 36th AAAI Conference on Artificial Intelligence, AAAI 2022*, 36, 1792–1800. <https://doi.org/10.1609/aaai.v36i2.20072>
- Liu, Y., Sun, P., Wergeles, N., & Shang, Y. (2021). A survey and performance evaluation of deep learning methods for small object detection. *Expert Systems with Applications*, 172, 114602. <https://doi.org/https://doi.org/10.1016/j.eswa.2021.114602>
- Maleh, I. M. D., Teguh, R., Sahay, A. S., Okta, S., & Pratama, M. P. (2023). Implementasi Algoritma You Only Look Once (YOLO) Untuk Object Detection Sarang Orang Utan Di Taman Nasional Sebangau. *Jurnal Informatika*, 10(1), 19–27. <https://doi.org/10.31294/inf.v10i1.13922>
- Malik, M. (2021). Deteksi Suhu Tubuh Dan Masker Wajah Dengan Mlx90614,

- Opencv, Keras/Tensorflow, Dan Deep Learning. *Jurnal Engine: Energi, Manufaktur, Dan Material*, 6(1), 19. <https://doi.org/10.30588/jeemm.v6i1.910>
- Mamdouh, N., & Khattab, A. (2021). YOLO-Based Deep Learning Framework for Olive Fruit Fly Detection and Counting. *IEEE Access*, 9, 84252–84262. <https://doi.org/10.1109/ACCESS.2021.3088075>
- Manikandan, P., Selija, K., Vasugi, V., Prem Kumar, V., Natrayan, L., Helen Santhi, M., & Senthil Kumaran, G. (2022). An Artificial Neural Network Based Prediction of Mechanical and Durability Characteristics of Sustainable Geopolymer Composite. *Advances in Civil Engineering*, 2022(September). <https://doi.org/10.1155/2022/9343330>
- Muchtar, K., Anshari, N. T., Chairuman, C., Alhabibie, K., & Munadi, K. (2022). Rancang Bangun Purwarupa Pemilah Sampah Pintar Berbasis Deep Learning. *Jurnal Teknologi Informasi Dan Ilmu Komputer*, 9(3), 655. <https://doi.org/10.25126/jtiik.2022934976>
- Mukrimaa, S. S., Nurdyansyah, Fahyuni, E. F., YULIA CITRA, A., Schulz, N. D., غسان, د., Taniredja, T., Faridli, E. M., & Harmianto, S. (2016). Machine Learning Teori, Studi Kasus dan Implementasi Menggunakan Python. In *Jurnal Penelitian Pendidikan Guru Sekolah Dasar* (Vol. 6, Issue August, p. 128).
- Müller, A. C., & Sarah, G. (2017). Introduction to Machine Learning with Python A Guide for Data Scientists. In *Introduction to Machine Learning with Python*. O'Reilly Media, Inc. <https://doi.org/10.2174/97898151244221230101>
- Mulyana, D. I., & Alifah, R. (2024). Optimasi Deteksi Tumor Otak Menggunakan Adaptive Multiscale Retinex dan YOLOv10 Pada Citra Digital. 5(3), 2742–2751.
- Naufal, M. F. (2021). Analisis Perbandingan Algoritma SVM, KNN, dan CNN untuk Klasifikasi Citra Cuaca. *Jurnal Teknologi Informasi Dan Ilmu Komputer*, 8(2), 311–318. <https://doi.org/10.25126/jtiik.2021824553>
- Nugraha, F., & Arifin, T. (2022). Enkripsi dan Dekripsi Suara Menggunakan Metode AES 128b dengan Secret Key. *Jurnal Sistem Informasi (SISTEMASI)*, 11(1), 97–107. <http://sistemasi.ftik.unisi.ac.id>
- Nugroho, B. P., Prihati, Y., & Galih, S. T. (2024). Implementasi Algoritma Yolo V5 Dalam Rancangan Aplikasi Pendeteksi Plat Nomor Kendaraan. *INTECOMS: Journal of Information Technology and Computer Science*, 7(3), 851–859. <https://doi.org/10.31539/intecom.v7i3.10376>
- Ouyang, W., & Zhu, P. (2022). A Lightweight Convolutional Neural Network Method

- for Image Classification. *Proceedings - 2022 2nd International Conference on Frontiers of Electronics, Information and Computation Technologies, ICFEICT 2022*, 410–415. <https://doi.org/10.1109/ICFEICT57213.2022.00079>
- P, M., & V, V. (2022). Potential utilization of waste glass powder as a precursor material in synthesizing ecofriendly ternary blended geopolymer matrix. *Journal of Cleaner Production*, 355, 131860. <https://doi.org/10.1016/j.jclepro.2022.131860>
- Pailus, M., Hatta Fudholi, D., & Hidayat, S. (2022). Model Identifikasi Penyakit Pada Tumbuhan Padi Berbasis DenseNet. *Jurnal Sains Komputer & Informatika (J-SAKTI)*, 6(2), 615–625.
- Paneru, S., & Jeelani, I. (2021). Computer vision applications in construction: Current state, opportunities & challenges. *Automation in Construction*, 132, 103940. <https://doi.org/10.1016/j.autcon.2021.103940>
- Park, S. S., Tran, V. T., & Lee, D. E. (2021). Application of various yolo models for computer vision-based real-time pothole detection. *Applied Sciences (Switzerland)*, 11(23). <https://doi.org/10.3390/app112311229>
- Pratiwi, H. A., Cahyanti, M., & Lamsani, M. (2021). Implementasi Deep Learning Flower Scanner Menggunakan Metode Convolutional Neural Network. *Sebatik*, 25(1), 124–130. <https://doi.org/10.46984/sebatik.v25i1.1297>
- Prihandoko, P., Zufari, F., Yunus, Y., & Irawan, Y. (2025). *Enhancing Real Time Crowd Counting Using YOLOv8 Integrated with Microservices Architecture for Dynamic Object Detection in High Density Environments*. 6(1).
- Pristiansyah, P., Hasdiansah, H., & Haritsah Amrullah, M. (2022). Iptek Bagi Masyarakat Mesin Perontok Padi Di Desa Banyu Asin. *Jurnal Pengabdian Masyarakat Polmanbabel*, 2(01), 10–17. <https://doi.org/10.33504/dulang.v2i01.191>
- Putra, P. Y., Arifianto, A. S., Fitri, Z. E., & Puspitasari, T. D. (2023). Deteksi Kendaraan Truk pada Video Menggunakan Metode Tiny-YOLO v4. *Jurnal Informatika Polinema*, 9(2), 215–222. <https://doi.org/10.33795/jip.v9i2.1243>
- Putra Pranjaya, A., Rizki, F., Kurniawan, R., & Daulay, N. K. (2024). KLIK: Kajian Ilmiah Informatika dan Komputer Klasifikasi Penyakit Pada Daun Tanaman Padi Berbasis YoloV5 (You Only Look Once). *Media Online*, 4(6), 3127–3136. <https://doi.org/10.30865/klik.v4i6.1916>
- Putri Ayuni, D., Jasril, Irsyad, M., Yanto, F., & Sanjaya, S. (2023). Augmentasi Data

- Pada Implementasi Convolutional Neural Network Arsitektur Efficientnet-B3 Untuk Klasifikasi Penyakit Daun Padi. *ZONasi: Jurnal Sistem Informasi*, 5(2), 239–249. <https://doi.org/10.31849/zn.v5i2.13874>
- Qing, Y., Liu, W., Feng, L., & Gao, W. (2021). Improved YOLO network for free-angle remote sensing target detection. *Remote Sensing*, 13(11). <https://doi.org/10.3390/rs13112171>
- Qiu, X., Chen, Y., Cai, W., Niu, M., & Li, J. (2024). LD-YOLOv10: A Lightweight Target Detection Algorithm for Drone Scenarios Based on YOLOv10. *Electronics (Switzerland)*, 13(16). <https://doi.org/10.3390/electronics13163269>
- Qu, X., Kojima, D., Wu, L., & Ando, M. (2021). The losses in the rice harvest process: A review. *Sustainability (Switzerland)*, 13(17), 1–25. <https://doi.org/10.3390/su13179627>
- Ramadhan, S., Afifah, L., Adhi, S. R., Irfan, B., Agroteknologi, P. S., Pertanian, F., Karawang, U. S., & Indonesia, C. A. (2023). *INTENSITAS PENYAKIT TANAMAN PADI (Oryza sativa L.) VARIETAS CIHERANG PADA APLIKASI BEBERAPA TEKNIK PENGENDALIAN*. 13(2), 127–134.
- Raup, A., Ridwan, W., Khoeriyah, Y., Supiana, S., & Zaqiah, Q. Y. (2022). Deep Learning dan Penerapannya dalam Pembelajaran. *JIIP - Jurnal Ilmiah Ilmu Pendidikan*, 5(9), 3258–3267. <https://doi.org/10.54371/jiip.v5i9.805>
- Riva, L. S., & Jayanta, J. (2023). Deteksi Penyakit Tanaman Cabai Menggunakan Algoritma YOLOv5 Dengan Variasi Pembagian Data. *Jurnal Informatika: Jurnal Pengembangan IT*, 8(3), 248–254. <https://doi.org/10.30591/jpit.v8i3.5679>
- Rokhshad, R., Keyhan, S. O., & Yousefi, P. (2023). Artificial intelligence applications and ethical challenges in oral and maxillo-facial cosmetic surgery: a narrative review. *Maxillofacial Plastic and Reconstructive Surgery*, 45(1). <https://doi.org/10.1186/s40902-023-00382-w>
- Rosadi, M. I., & Lutfi, M. (2021). Identifikasi Jenis Penyakit Daun Jagung Menggunakan Deep Learning Pre-Trained Model. *Jurnal Explore IT!*, 13(2), 36–42. <https://doi.org/10.35891/explorit>
- Rosado, M. J., Rencoret, J., Marques, G., Gutiérrez, A., & del Río, J. C. (2021). Structural Characteristics of the Guaiacyl-Rich Lignins From Rice (*Oryza sativa* L.) Husks and Straw. *Frontiers in Plant Science*, 12(February), 1–17. <https://doi.org/10.3389/fpls.2021.640475>
- Rusdiah, R. (2020). *AI AND DATA SCIENCE Technology, Innovation & Use Cases in*

- Indonesia (Asosiasi B). Perkumpulan Basis Data Indonesia. www.abdi.id
- Saputra, A. P., & Kusriani, K. (2021). Waste Object Detection and Classification using Deep Learning Algorithm: YOLOv4 and YOLOv4-tiny. *Turkish Journal of Computer and Mathematics Education*, 12(14), 1666–1677.
- Sarosa, M., & Muna, N. (2021). Implementasi Algoritma You Only Look Once (Yolo) Untuk Implementation of You Only Look Once (Yolo) Algorithm for. *Jurnal Teknologi Informasi Dan Ilmu Komputer*, 8(4), 787–792. <https://doi.org/10.25126/jtiik.202184407>
- Sharma, S., & Chaudhary, P. (2023). Machine learning and deep learning. *Quantum Computing and Artificial Intelligence: Training Machine and Deep Learning Algorithms on Quantum Computers*, 71–84. <https://doi.org/10.1515/9783110791402-004>
- Sheila, S., Permata Sari, I., Bagas Saputra, A., Kharil Anwar, M., & Restu Pujianto, F. (2023). Deteksi Penyakit Pada Daun Padi Berbasis Pengolahan Citra Menggunakan Metode Convolutional Neural Network (CNN). *Multinetics*, 9(1), 27–34. <https://doi.org/10.32722/multinetics.v9i1.5255>
- Susanti, L. A., Soleh, A. M., & Sartono, B. (2023). Deep Learning Image Classification Rontgen Dada pada Kasus Covid-19 Menggunakan Algoritma Convolutional Neural Network. *Jurnal Teknologi Informasi Dan Ilmu Komputer*, 10(5), 973–982. <https://doi.org/10.25126/jtiik.20231057142>
- Suyanto, Ramadhani, kurniawan N., & Mandala, S. (2019). *DEEP LEARNING Modernisasi Machine Learning untuk Big Data (BI-Obses)*. Informatika bandung. Fax. (022)7317896
- Syarifah, A., Riadi, A. A., & Susanto, A. (2022). Klasifikasi Tingkat Kematangan Jambu Bol Berbasis Pengolahan Citra Digital Menggunakan Metode K-Nearest Neighbor. *Jurnal Informatika Merdeka Pasuruan*, 7(1), 27–35.
- Takyudin, T., Fitri, I., & Yuhandri, Y. (2023). Catfish Fry Detection and Counting Using YOLO Algorithm. *Journal of Applied Informatics and Computing*, 7(2), 192–197. <https://doi.org/10.30871/jaic.v7i2.6746>
- Teuku Rifki Dhulul Fata, Siregar, R. R. A., & Indrianto. (2023). Detection of brown spot and leaf blight in rice with the You Only Look Once (YOLO) algorithm. *Petir*, 16(1), 117–130. <https://doi.org/10.33322/petir.v16i1.2003>
- Thoriq, M. Y. A., Siradjuddin, I. A., & Permana, K. E. (2023). Deteksi Wajah Manusia Berbasis One Stage Detector Menggunakan Metode You Only Look Once

- (Yolo). *Jurnal Teknoinfo*, 17(1), 66. <https://doi.org/10.33365/jti.v17i1.1884>
- Ulfah Nur Oktaviana, Ricky Hendrawan, Alfian Dwi Khoirul Annas, & Galih Wasis Wicaksono. (2021). Klasifikasi Penyakit Padi berdasarkan Citra Daun Menggunakan Model Terlatih Resnet101. *Jurnal RESTI (Rekayasa Sistem Dan Teknologi Informasi)*, 5(6), 1216–1222. <https://doi.org/10.29207/resti.v5i6.3607>
- Wang, A., Chen, H., Liu, L., Chen, K., Lin, Z., Han, J., & Ding, G. (2024). *YOLOv10: Real-Time End-to-End Object Detection*. 1–18. <http://arxiv.org/abs/2405.14458>
- Wang, M., & Deng, W. (2021). Deep face recognition: A survey. *Neurocomputing*, 429, 215–244. <https://doi.org/https://doi.org/10.1016/j.neucom.2020.10.081>
- Wang, M., Liu, M., Zhang, F., Lei, G., Guo, J., & Wang, L. (2018). Fast Classification and Detection of Fish Images with YOLOv2. *2018 OCEANS - MTS/IEEE Kobe Techno-Oceans (OTO)*, 1–4. <https://doi.org/10.1109/OCEANSKOB.2018.8559141>
- Wang, X., Zheng, S., Zhang, C., Li, R., & Gui, L. (2021). R-yolo: A real-time text detector for natural scenes with arbitrary rotation. *Sensors (Switzerland)*, 21(3), 1–21. <https://doi.org/10.3390/s21030888>
- Xu, S., Wang, J., Shou, W., Ngo, T., Sadick, A.-M., & Wang, X. (2021). Computer Vision Techniques in Construction: A Critical Review. *Archives of Computational Methods in Engineering*, 28(5), 3383–3397. <https://doi.org/10.1007/s11831-020-09504-3>
- Yao, Z., Jin, T., Mao, B., Lu, B., Zhang, Y., Li, S., & Chen, W. (2022). Construction and Multicenter Diagnostic Verification of Intelligent Recognition System for Endoscopic Images From Early Gastric Cancer Based on YOLO-V3 Algorithm. *Frontiers in Oncology*, 12(January), 1–10. <https://doi.org/10.3389/fonc.2022.815951>
- Yasen, N. M., Rifka, S., Vitria, R., & Yulindon, Y. (2023). Pemanfaatan Yolo Untuk Deteksi Hama Dan Penyakit Pada Daun Cabai Menggunakan Metode Deep Learning. *Elektron : Jurnal Ilmiah*, 15, 63–71. <https://doi.org/10.30630/eji.0.0.397>
- Yu, J., & Zhang, W. (2021). Face Mask Wearing Detection Algorithm Based on Improved YOLO-v4. *ACM International Conference Proceeding Series*, 165–173. <https://doi.org/10.1145/3614008.3614032>
- Yuan, W. (2023). Accuracy Comparison of YOLOv7 and YOLOv4 Regarding Image Annotation Quality for Apple Flower Bud Classification. *AgriEngineering*, 5(1),

- 413–424. <https://doi.org/10.3390/agriengineering5010027>
- Zeng, D., Veldhuis, R., & Spreuwers, L. (2021). A survey of face recognition techniques under occlusion. *IET Biometrics*, 10(6), 581–606. <https://doi.org/10.1049/bme2.12029>
- Zhang, C., Li, T., & Zhang, W. (2022). The Detection of Impurity Content in Machine-Picked Seed Cotton Based on Image Processing and Improved YOLO V4. *Agronomy*, 12(1). <https://doi.org/10.3390/agronomy12010066>
- Zhang, J., Xu, C., Wang, H., Kong, W., Fu, L., Zhang, L., Li, D., & Lin, B. (2021). Target Detection of Duck Based on YOLOv3 Model. *Proceedings - 2021 6th International Symposium on Computer and Information Processing Technology, ISCIPT 2021*, 155–158. <https://doi.org/10.1109/ISCIPT53667.2021.00038>
- Zhao, S., Zheng, J., Sun, S., & Zhang, L. (2022). An Improved YOLO Algorithm for Fast and Accurate Underwater Object Detection. *Symmetry MDPI*, 14, 1669.
- Zhou, Q., Qin, J., Xiang, X., Tan, Y., & Xiong, N. N. (2021). Algorithm of helmet wearing detection based on AT-YOLO deep mode. *Computers, Materials and Continua*, 69(1), 159–174. <https://doi.org/10.32604/cmc.2021.017480>
- Zou, Z., Chen, K., Shi, Z., Guo, Y., & Ye, J. (2023). Object Detection in 20 Years: A Survey. *Proceedings of the IEEE*, 111(3), 257–276. <https://doi.org/10.1109/JPROC.2023.3238524>