

DAFTAR PUSTAKA

- Alzubaidi, Laith, Jinglan Zhang, Amjad J. Humaidi, Ayad Al-Dujaili, Ye Duan, Omran Al-Shamma, J. Santamaría, Mohammed A. Fadhel, Muthana Al-Amidie and Laith Farhan. 2021. “Review of Deep Learning: Concepts, CNN Architectures, Challenges, Applications, Future Directions”. *Journal of Big Data* 8. <<https://doi.org/10.1186/s40537-021-00444-8>>.
- Auliya, Annisa, Tresna Dewi, Muhammad Nawawi Noer, Yurni Oktarina, Jurusan Teknik Elektro and Politeknik Negeri Sriwijaya. 2022. “Implementasi Pengolahan Citra Menggunakan Metode YOLO Pada Security Robot Dibidang Pertanian” 3: 43–48.
- Bebis, George, Dwight Egbert and Mubarak Shah. 2003. “Review of Computer Vision Education”. *IEEE Transactions on Education* 46: 2–21. <<https://doi.org/10.1109/TE.2002.808280>>.
- Bolya, Daniel, Chong Zhou Fanyi, Xiao Yong and Jae Lee. 2019. “YOLACT Real-Time Instance Segmentation”. <<https://github.com/dbolya/yolact>>.
- Chen, Chen, Rufei Fu, Xiaojian Ai, Chengbin Huang, Li Cong, Xiaohuan Li, Jiange Jiang and Qingqi Pei. 2022. “An Integrated Method for River Water Level Recognition from Surveillance Images Using Convolution Neural Networks”. *Remote Sensing* 14. <<https://doi.org/10.3390/rs14236023>>.
- Elfwing, Stefan, Eiji Uchibe and Kenji Doya. 2018. “Sigmoid-Weighted Linear Units for Neural Network Function Approximation in Reinforcement Learning”. *Neural Networks* 107: 3–11. <<https://doi.org/10.1016/j.neunet.2017.12.012>>.
- Erkus, Merve and Ahmet Çinar. 2024. “The Effect of the Improved YOLOv8 Model with Activation Functions on the Detection of Blood Cells and Urine Particles”. <<https://doi.org/10.22541/au.173173879.92891429/v1>>.
- Gilang Wijanarko, Restu, Afu Ichsan Pradana and Dwi Hartanti. 2024. “IMPLEMENTASI DETEKSI DRONE MENGGUNAKAN YOLO (You Only Look Once)”.
- Guo, Yanming, Yu Liu, Ard Oerlemans, Songyang Lao, Song Wu and Michael S. Lew. 2016. “Deep Learning for Visual Understanding: A Review”. *Neurocomputing* 187: 27–48. <<https://doi.org/10.1016/j.neucom.2015.09.116>>.
- Haidar, Abdulloh, Azzam Ash’shobir, Kenryo Gendis, Putri Harli, Adisty Pramudita, Putri Rudi, Ilham Gusti, et al. 2025. “Sistem Deteksi Kualitas Cabai Rawit Menggunakan Metode YOLO (You Only Look Once)”. *Jurnal Informatika Dan Sains Teknologi* 3: 114–132. <<https://doi.org/10.62951/modem.v3i1.363>>.
- Hidayatullah, Priyanto, Nurjannah Syakrani, Muhammad Rizqi Sholahuddin, Trisna Gelar and Refdinal Tubagus. 2025. “YOLOv8 to YOLO11: A Comprehensive Architecture In-Depth Comparative Review”.
- Hussain, Muhammad. 2024. “YOLOv5, YOLOv8 and YOLOv10: The Go-To Detectors for Real-Time Vision”, July. <<http://arxiv.org/abs/2407.02988>>.
- Lecun, Yann, Yoshua Bengio and Geoffrey Hinton. 2015. “Deep Learning”. *Nature* 521: 436–444. <<https://doi.org/10.1038/nature14539>>.

- Li, Jiadong, Chunya Tong, Hongxing Yuan and Wennan Huang. 2024. "A Complex Environmental Water-Level Detection Method Based on Improved YOLOv5m". *Sensors* 24. <<https://doi.org/10.3390/s24165235>>.
- Lou, Haitong, Xuehu Duan, Junmei Guo, Haiying Liu, Jason Gu, Lingyun Bi and Haonan Chen. 2023. "DC-YOLOv8: Small-Size Object Detection Algorithm Based on Camera Sensor". *Electronics (Switzerland)* 12. <<https://doi.org/10.3390/electronics12102323>>.
- Mangore, Vicky Richard, E M Wuisan, L Kawet and H Tangkudung. 2013. "PERENCANAAN BENDUNG UNTUK DAERAH IRIGASI SULU". *Jurnal Sipil Statik* 1: 533–541.
- Mueed Hafiz, Abdul and Ghulam Mohiuddin Bhat. 2020. "A Survey on Instance Segmentation: State of the Art".
- Pratomo, Awang Hendrianto, Wilis Kaswidjanti and Siti Mu'arifah. 2020. "IMPLEMENTASI ALGORITMA REGION OF INTEREST (ROI) UNTUK MENINGKATKAN PERFORMA ALGORITMA DETEKSI DAN KLASIFIKASI KENDARAAN" 7: 155–162. <<https://doi.org/10.25126/jtiik.202071718>>.
- Qiao, Guangchao, Mingxiang Yang and Hao Wang. 2022. "A Water Level Measurement Approach Based on YOLOv5s". *Sensors* 22. <<https://doi.org/10.3390/s22103714>>.
- Redmon, Joseph, Santosh Divvala, Ross Girshick and Ali Farhadi. 2016. "You Only Look Once: Unified, Real-Time Object Detection". <<http://pjreddie.com/yolo/>>.
- Rustamaji, H C, W A Kusuma, S Nurdiati and I Batubara. 2023. "Community-Consideration Centrality, a Case Study of Lung Cancer Proteins". *IEEE Access* 11: 134340–134354. <<https://doi.org/10.1109/ACCESS.2023.3337375>>.
- Sapkota, Ranjan and Manoj Karkee. 2024. "Comparing YOLOv11 and YOLOv8 for Instance Segmentation of Occluded and Non-Occluded Immature Green Fruits in Complex Orchard Environment", October. <<http://arxiv.org/abs/2410.19869>>.
- Sapkota, Ranjan, Zhichao Meng, Martin Churuvija, Xiaoqiang Du, Zenghong Ma and Manoj Karkee. 2024. "Comprehensive Performance Evaluation of YOLO11, YOLOv10, YOLOv9 and YOLOv8 on Detecting and Counting Fruitlet in Complex Orchard Environments".
- Setiawan, Dedi, Iskandar Zulkarnaen, Program Studi Sistem Komputer and Stmik Triguna Dharma. 2018. "Prototype Alat Pemantauan Ketinggian Air Pada Bendungan Menggunakan Sensor Ultrasonik Berbasis Arduino". *Jurnal Sains Manajemen Informatika Dan Komputer* 17: 170–174. <www.arduino.cc>.
- Sun, Chuanmeng, Yu Wei, Wenbo Wang, Zhibo Wu and Yong Li. 2024. "Water Level Inversion Detection Method for Water Level Images without a Scale in Complex Environments". *Water (Switzerland)* 16. <<https://doi.org/10.3390/w16081176>>.
- Terven, Juan, Diana Margarita Córdova-Esparza and Julio Alejandro Romero-González. 2023. "A Comprehensive Review of YOLO Architectures in Computer Vision: From YOLOv1 to YOLOv8 and YOLO-NAS". *Machine Learning and Knowledge Extraction*. Multidisciplinary Digital Publishing Institute (MDPI). <<https://doi.org/10.3390/make5040083>>.

- Tian, Di, Yi Han, Biyao Wang, Tian Guan, Hengzhi Gu and Wei Wei. 2021. “Review of Object Instance Segmentation Based on Deep Learning”. *Journal of Electronic Imaging* 31. <<https://doi.org/10.1117/1.jei.31.4.041205>>.
- Uygun, Tahsin and Mehmet Metin Ozguven. 2024. “Determination of Tomato Leafminer: *Tuta Absoluta* (Meyrick) (Lepidoptera: Gelechiidae) Damage on Tomato Using Deep Learning Instance Segmentation Method”. *European Food Research and Technology* 250: 1837–1852. <<https://doi.org/10.1007/s00217-024-04516-w>>.
- Vandaele, Remy, Sarah L. Dance and Varun Ojha. 2021. “Deep Learning for Automated River-Level Monitoring through River-Camera Images: An Approach Based on Water Segmentation and Transfer Learning”. *Hydrology and Earth System Sciences* 25: 4435–4453. <<https://doi.org/10.5194/hess-25-4435-2021>>.
- Wang, Xiaolong, Zhong Li, Yanwei Zhang and Guocheng An. 2023. “Water Level Recognition Based on Deep Learning and Character Interpolation Strategy for Stained Water Gauge”. *River* 2: 506–517. <<https://doi.org/10.1002/rvr2.69>>.
- Wiley, Victor and Thomas Lucas. 2018. “Computer Vision and Image Processing: A Paper Review”. *International Journal of Artificial Intelligence Research* 2: 22. <<https://doi.org/10.29099/ijair.v2i1.42>>.
- Wu, Xiongwei, Doyen Sahoo and Steven C. H. Hoi. 2019. “Recent Advances in Deep Learning for Object Detection”, August. <<http://arxiv.org/abs/1908.03673>>.
- Xie, Zhifeng, Jianhui Jin, Jianping Wang, Rongxing Zhang and Shenghong Li. 2023. “Application of Deep Learning Techniques in Water Level Measurement: Combining Improved SegFormer-UNet Model with Virtual Water Gauge”. *Applied Sciences (Switzerland)* 13. <<https://doi.org/10.3390/app13095614>>.
- Yue, Xiang, Kai Qi, Xinyi Na, Yang Zhang, Yanhua Liu and Cuihong Liu. 2023. “Improved YOLOv8-Seg Network for Instance Segmentation of Healthy and Diseased Tomato Plants in the Growth Stage”. *Agriculture (Switzerland)* 13. <<https://doi.org/10.3390/agriculture13081643>>.
- Zhao, Zhong-Qiu, Peng Zheng, Shou-tao Xu and Xindong Wu. 2018. “Object Detection with Deep Learning: A Review”, July. <<http://arxiv.org/abs/1807.05511>>.
- Zou, Zhengxia, Keyan Chen, Zhenwei Shi, Yuhong Guo and Jieping Ye. 2019. “Object Detection in 20 Years: A Survey”, May. <<http://arxiv.org/abs/1905.05055>>.