DAFTAR PUSTAKA

Appe, S. N., Arulselvi, G., & Balaji, G. N. (2023). CAM-YOLO: tomato detection and classification based on improved YOLOv5 using combining attention mechanism. *PeerJ Computer Science*, *9*. https://doi.org/10.7717/peerj-cs.1463

Badgujar, C., Poulose, A., & Gan, H. (n.d.). *Agricultural Object Detection with You Look Only Once (YOLO) Algorithm: A Bibliometric and Systematic Literature Review*. https://doi.org/10.48550/arXiv.2401.10379

Chen, M., Xu, Y., Qin, W., Li, Y., & Yu, J. (2025). Tomato ripeness detection method based on FasterNet block and attention mechanism. *AIP Advances*, *15*(6). https://doi.org/10.1063/5.0280801

Chen, Y., & Joo, J. (n.d.). *Understanding and Mitigating Annotation Bias in Facial Expression Recognition*.

Deng, B., Lu, Y., & Li, Z. (2024). Detection, counting, and maturity assessment of blueberries in canopy images using YOLOv8 and YOLOv9. *Smart Agricultural Technology*, *9*. https://doi.org/10.1016/j.atech.2024.100620

Erz Saragih, R., Rezki Purnajaya, A., Syafrinal, I., & Pernando, Y. (n.d.). *Mango and Banana Ripeness Detection based on Lightweight YOLOv8*.

Gao, X., Ding, J., Zhang, R., & Xi, X. (2025). YOLOv8n-CA: Improved YOLOv8n Model for Tomato Fruit Recognition at Different Stages of Ripeness. *Agronomy*, *15*(1). https://doi.org/10.3390/agronomy15010188

Guo, J., Yang, Y., Lin, X., Memon, M. S., Liu, W., Zhang, M., & Sun, E. (2023). Revolutionizing Agriculture: Real-Time Ripe Tomato Detection With the Enhanced Tomato-YOLOv7 System. *IEEE Access*, *11*, 133086–133098. https://doi.org/10.1109/ACCESS.2023.3336562

Hao, Y., Rao, L., Fu, X., Zhou, H., & Li, H. (2025). Tomato Ripening Detection in Complex Environments Based on Improved BiAttFPN Fusion and YOLOv11-SLBA Modeling. *Agriculture (Switzerland)*, *15*(12). https://doi.org/10.3390/agriculture15121310

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*, *2016-December*. https://doi.org/10.1109/CVPR.2016.90

Hu, J., Shen, L., Albanie, S., Sun, G., & Wu, E. (2020). Squeeze-and-Excitation Networks. *IEEE Transactions on Pattern Analysis and Machine Intelligence*, *42*(8). https://doi.org/10.1109/TPAMI.2019.2913372

Hu, Y., Yang, J., Chen, L., Li, K., Sima, C., Zhu, X., Chai, S., Du, S., Lin, T., Wang, W., Lu, L., Jia, X., Liu, Q., Dai, J., Qiao, Y., & Li, H. (2022). *Planning-oriented Autonomous Driving*. http://arxiv.org/abs/2212.10156

Jing, X., Wang, Y., Li, D., & Pan, W. (2024). Melon ripeness detection by an improved object detection algorithm for resource constrained environments. *Plant Methods*, *20*(1). https://doi.org/10.1186/s13007-024-01259-3

Karimi, Z. (n.d.). *Confusion Matrix*. https://www.researchgate.net/publication/355096788

Khanam, R., & Hussain, M. (2024). *YOLOv11: An Overview of the Key Architectural Enhancements*. http://arxiv.org/abs/2410.17725

Kumah, A., Nwogu, C. N., Issah, A. R., Obot, E., Kanamitie, D. T., Sifa, J. S., & Aidoo, L. A. (2024). Cause-and-Effect (Fishbone) Diagram: A Tool for Generating and Organizing Quality Improvement Ideas. *Global Journal on Quality and Safety in Healthcare*, *7*(2), 85–87. https://doi.org/10.36401/JQSH-23-42

Li, Y., Li, J., Luo, L., Wang, L., & Zhi, Q. (2025). Tomato ripeness and stem recognition based on improved YOLOX. *Scientific Reports*, *15*(1), 1924. https://doi.org/10.1038/s41598-024-84869-0

Ma, C., Li, X., Li, Y., Tian, X., Wang, Y., Kim, H., & Serikawa, S. (2021). Visual information processing for deep-sea visual monitoring system. *Cognitive Robotics*, *1*, 3–11. https://doi.org/https://doi.org/10.1016/j.cogr.2020.12.002

Mu, D., Guou, Y., Wang, W., Peng, R., Guo, C., Marinello, F., Xie, Y., & Huang, Q. (2025). URT-YOLOv11: A Large Receptive Field Algorithm for Detecting Tomato Ripening Under Different Field Conditions. *Agriculture (Switzerland)*, *15*(10). https://doi.org/10.3390/agriculture15101060

Padilla, R., Netto, S. L., & da Silva, E. A. B. (2020). A Survey on Performance Metrics for Object-Detection Algorithms. *2020 International Conference on*

Systems, Signals and Image Processing (IWSSIP), 237–242. https://doi.org/10.1109/IWSSIP48289.2020.9145130

Prinzi, F., Insalaco, M., Orlando, A., Gaglio, S., & Vitabile, S. (2024). A Yolo-Based Model for Breast Cancer Detection in Mammograms. *Cognitive Computation*, *16*(1), 107–120. https://doi.org/10.1007/s12559-023-10189-6

Redmon, J., Divvala, S., Girshick, R., & Farhadi, A. (2015). *You Only Look Once: Unified, Real-Time Object Detection*. http://arxiv.org/abs/1506.02640

Redmon, J., Divvala, S., Girshick, R., & Farhadi, A. (2016). You Only Look Once: Unified, Real-Time Object Detection. *2016 IEEE Conference on Computer Vision and Pattern Recognition (CVPR)*, 779–788. https://doi.org/10.1109/CVPR.2016.91

Rizzo, M., Marcuzzo, M., Zangari, A., Gasparetto, A., & Albarelli, A. (2023). Fruit ripeness classification: A survey. In *Artificial Intelligence in Agriculture* (Vol. 7, pp. 44–57). KeAi Communications Co. https://doi.org/10.1016/j.aiia.2023.02.004

Sapkota, R., & Karkee, M. (2024). *Comparing YOLOv11 and YOLOv8 for instance segmentation of occluded and non-occluded immature green fruits in complex orchard environment*. http://arxiv.org/abs/2410.19869

Sapkota, R., Qureshi, R., Calero, M. F., Badjugar, C., Nepal, U., Poulose, A., Zeno, P., Vaddevolu, U. B. P., Khan, S., Shoman, M., Yan, H., & Karkee, M. (2024). *YOLOv12 to Its Genesis: A Decadal and Comprehensive Review of The You Only Look Once (YOLO) Series*. http://arxiv.org/abs/2406.19407

Shigematsu, K., & Kato, R. (2024). Yolov7-based object detection using rgb and ir images. *ICIC Express Letters*, *18*(3), 241–245. https://doi.org/10.24507/icicel.18.03.241

Sun, H., Ren, R., Zhang, S., Tan, C., & Jing, J. (2024). Maturity detection of 'Huping' jujube fruits in natural environment using YOLO-FHLD. *Smart Agricultural Technology*, *9*. https://doi.org/10.1016/j.atech.2024.100670

Sun, X. (2024). Enhanced tomato detection in greenhouse environments: a lightweight model based on S-YOLO with high accuracy. *Frontiers in Plant Science*, *15*. https://doi.org/10.3389/fpls.2024.1451018

Sun, Y., Sun, Z., & Chen, W. (2024). The evolution of object detection methods. In *Engineering Applications of Artificial Intelligence* (Vol. 133). Elsevier Ltd. https://doi.org/10.1016/j.engappai.2024.108458

Tang, J., Ye, C., Zhou, X., & Xu, L. (2024). YOLO-Fusion and Internet of Things: Advancing object detection in smart transportation. *Alexandria Engineering Journal*, *107*, 1–12. https://doi.org/https://doi.org/10.1016/j.aej.2024.09.012

Wang, C., Wang, H., Han, Q., Zhang, Z., Kong, D., & Zou, X. (2024). Strawberry Detection and Ripeness Classification Using YOLOv8+ Model and Image Processing Method. *Agriculture (Switzerland)*, *14*(5). https://doi.org/10.3390/agriculture14050751

Wang, S., Xiang, J., Chen, D., & Zhang, C. (2024). A Method for Detecting Tomato Maturity Based on Deep Learning. *Applied Sciences*, *14*(23), 11111. https://doi.org/10.3390/app142311111

Wang, X., Li, H., Yue, X., & Meng, L. (2023). *A comprehensive survey on object detection YOLO*. http://ceur-ws.org

Wei, J., Ni, L., Luo, L., Chen, M., You, M., Sun, Y., & Hu, T. (2024). GFS-YOLO11: A Maturity Detection Model for Multi-Variety Tomato. *Agronomy*, *14*(11). https://doi.org/10.3390/agronomy14112644

Widyawati, W., & Febriani, R. (2021). Real-time detection of fruit ripeness using the YOLOv4 algorithm. *Teknika: Jurnal Sains Dan Teknologi*, *17*(2), 205. https://doi.org/10.36055/tjst.v17i2.12254

Wu, Q., Huang, H., Song, D., & Zhou, J. (2025). YOLO-PGC: A Tomato Maturity Detection Algorithm Based on Improved YOLOv11. *Applied Sciences (Switzerland)*, *15*(9). https://doi.org/10.3390/app15095000

Wu, Z., Liu, M., Sun, C., & Wang, X. (2023). A dataset of tomato fruits images for object detection in the complex lighting environment of plant factories. *Data in Brief*, *48*, 109291. https://doi.org/https://doi.org/10.1016/j.dib.2023.109291

Xiao, B., Nguyen, M., & Yan, W. Q. (2024). Fruit ripeness identification using YOLOv8 model. *Multimedia Tools and Applications*, *83*(9), 28039–28056. https://doi.org/10.1007/s11042-023-16570-9

Xie, X., Cheng, G., Wang, J., Yao, X., & Han, J. (2021). Oriented R-CNN for Object Detection. *2021 IEEE/CVF International Conference on Computer Vision (ICCV)*, 3500–3509. https://doi.org/10.1109/ICCV48922.2021.00350

Yang, D., & Ju, C. (2024). Performance Comparison of Cherry Tomato Ripeness Detection Using Multiple YOLO Models. *AgriEngineering*, *7*(1), 8. https://doi.org/10.3390/agriengineering7010008

Yu, C. hao, Shi, X., Luo, W., Feng, J., Zheng, Z., Yorozu, A., Hu, Y., & Guo, J. (2024). MLG-YOLO: A Model for Real-Time Accurate Detection and Localization of Winter Jujube in Complex Structured Orchard Environments. *Plant Phenomics*. https://doi.org/10.34133/plantphenomics.0258

Yue, X., Qi, K., Yang, F., Na, X., Liu, Y., & Liu, C. (2024). RSR-YOLO: a real-time method for small target tomato detection based on improved YOLOv8 network. *Discover Applied Sciences*, *6*(5). https://doi.org/10.1007/s42452-024-05914-1

Zhang, W. (2023). A Fruit Ripeness Detection Method using Adapted Deep Learning-based Approach. In *IJACSA) International Journal of Advanced Computer Science and Applications* (Vol. 14, Issue 9). www.ijacsa.thesai.org

Zou, Z., Chen, K., Shi, Z., Guo, Y., & Ye, J. (2019). *Object Detection in 20 Years: A Survey*. http://arxiv.org/abs/1905.05055