

## DAFTAR PUSTAKA

- Alif, M.A.R., 2024. *YOLOv11 for Vehicle Detection: Advancements, Performance, and Applications in Intelligent Transportation Systems*. Available at: <<https://arxiv.org/abs/2410.22898>>.
- Amjoud, A.B. and Amrouch, M., 2023. Object Detection Using Deep Learning, CNNs and Vision Transformers: A Review. *IEEE Access*, 11, pp.35479–35516. <https://doi.org/10.1109/ACCESS.2023.3266093>.
- Castelle, B., Scott, T., Brander, R.W. and McCarroll, R.J., 2016. Rip current types, circulation and hazard. *Earth-Science Reviews*, 163, pp.1–21. <https://doi.org/10.1016/j.earscirev.2016.09.008>.
- Chen, D., Hosseini, A., Smith, A., Nikkhah, A.F., Heydarian, A., Shoghli, O. and Campbell, B., 2024. *Performance Evaluation of Real-Time Object Detection for Electric Scooters*. Available at: <<https://arxiv.org/abs/2405.03039>>.
- Drozdowski, D., Shaw, W., Dominey-Howes, D., Brander, R., Walton, T., Gero, A., Sherker, S., Goff, J. and Edwick, B., 2012. Surveying rip current survivors: preliminary insights into the experiences of being caught in rip currents. *Natural Hazards and Earth System Sciences*, [online] 12(4), pp.1201–1211. <https://doi.org/10.5194/nhess-12-1201-2012>.
- Dumitriu, A., Tatui, F., Miron, F., Ionescu, R.T. and Timofte, R., 2023. Rip Current Segmentation: A Novel Benchmark and YOLOv8 Baseline Results. In: *2023 IEEE/CVF Conference on Computer Vision and Pattern Recognition Workshops (CVPRW)*. pp.1261–1271. <https://doi.org/10.1109/CVPRW59228.2023.00133>.
- Fatchurohman, H., Khasanah, A.N. and Cahyadi, A., 2021. Identification of Rip Current Hazards Using Fluorescent Dye And Unmanned Aerial Vehicle (A Case Study Of Drini Beach, Gunungkidul, Indonesia). *Natural Hazards and Earth System Sciences Discussions*, [online] 2021, pp.1–20. <https://doi.org/10.5194/nhess-2021-221>.
- Hidayatullah, P., Syakrani, N., Sholahuddin, M.R., Gelar, T. and Tubagus, R., 2025. *YOLOv8 to YOLO11: A Comprehensive Architecture In-depth Comparative Review*. Available at: <<https://arxiv.org/abs/2501.13400>>.
- Islam, Md.A. and Shampa, Mosa.T.A., 2023. Rip Current: A Potential Hazard Zones Detection in Saint Martin's Island using Machine Learning Approach. *ELCVIA Electronic Letters on Computer Vision and Image Analysis*, 21(2), pp.63–81. <https://doi.org/10.5565/rev/elcvia.1604>.
- Jakarta School of Photography, 2024. *Mengetahui Jenis-Jenis Angle Videografi*. [online] Available at: <<https://jsp.co.id/mengetahui-jenis-jenis-angle-videografi/>> [Accessed 13 May 2025].
- Jegham, N., Koh, C.Y., Abdelatti, M. and Hendawi, A., 2025. *YOLO Evolution: A Comprehensive Benchmark and Architectural Review of YOLOv12, YOLO11, and Their Previous Versions*. Available at: <<https://arxiv.org/abs/2411.00201>>.
- Jocher, G. and Qiu, J., 2024. *Ultralytics YOLO11*. Available at: <<https://github.com/ultralytics/ultralytics>>.

Khan, F.H., Stewart, D., Silva, A. de, Palinkas, A., Dusek, G., Davis, J. and Pang, A., 2025. RipScout: Realtime ML-Assisted Rip Current Detection and Automated Data Collection Using UAVs. *IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing*, 18, pp.7742–7755. <https://doi.org/10.1109/JSTARS.2025.3543695>.

Khanam, R. and Hussain, M., 2024. *YOLOv11: An Overview of the Key Architectural Enhancements*. Available at: <<https://arxiv.org/abs/2410.17725>>.

Kim, M.-J., Kim, J.-G., Yoon, S.-K. and Kim, S.-D., 2021. Functionality-Based Processing-In-Memory Accelerator for Deep Convolutional Neural Networks. *IEEE Access*, PP, p.1. <https://doi.org/10.1109/ACCESS.2021.3122818>.

Kuswantori, A., Suesut, T., Tangsrirat, W. and Nunak, N., 2022. Development of object detection and classification with YOLOv4 for similar and structural deformed fish. *EUREKA: Physics and Engineering*, [online] (2), pp.154–165. <https://doi.org/10.21303/2461-4262.2022.002345>.

Kuswantori, A. and Suroso, D.J., 2024. Fish Detection and Classification using YOLOv8 for Automated Sorting Systems. *Indonesian Journal of Artificial Intelligence and Data Mining*, [online] 7(2), p.447. <https://doi.org/10.24014/ijaidm.v7i2.30967>.

Lecun, Y. and Bengio, Y., 1995. Convolutional networks for images, speech, and time-series. In: M.A. Arbib, ed. *The handbook of brain theory and neural networks*. MIT Press.

LeCun, Y., Bengio, Y. and Hinton, G., 2015. Deep learning. *Nature*, [online] 521(7553), pp.436–444. <https://doi.org/10.1038/nature14539>.

Lorente, Ò., Riera, I. and Rana, A., 2021. *Image Classification with Classic and Deep Learning Techniques*. Available at: <<https://arxiv.org/abs/2105.04895>>.

Mileff, P., 2023. COLLISION DETECTION IN 2D GAMES. 11, p.10. <https://doi.org/10.32968/psaie.2023.3.2>.

Minace, S., Boykov, Y., Porikli, F., Plaza, A., Kehtarnavaz, N. and Terzopoulos, D., 2020. *Image Segmentation Using Deep Learning: A Survey*. Available at: <<https://arxiv.org/abs/2001.05566>>.

Neha, F., Bhati, D., Shukla, D.K. and Amiruzzaman, M., 2024. *From classical techniques to convolution-based models: A review of object detection algorithms*. Available at: <<https://arxiv.org/abs/2412.05252>>.

O'Shea, K. and Nash, R., 2015. *An Introduction to Convolutional Neural Networks*. Available at: <<https://arxiv.org/abs/1511.08458>>.

Pahlevi, S.M., 2024. *Kecerdasan Buatan dengan Deep Computer Vision*. Jakarta: PT Elex Media Komputindo.

Pangururan, I.P., Rochaddi, B. and Ismanto, A., 2015. STUDI RIP CURRENT DI PANTAI SELATAN YOGYAKARTA. *Journal of Oceanography*, [online] 4(4), pp.670–679. Available at: <<https://ejournal3.undip.ac.id/index.php/joce/article/view/9683>> [Accessed 5 April 2025].

Paszke, A., Gross, S., Massa, F., Lerer, A., Bradbury, J., Chanan, G., Killeen, T., Lin, Z., Gimelshein, N., Antiga, L., Desmaison, A., Köpf, A., Yang, E., DeVito, Z., Raison, M., Tejani, A., Chilamkurthy, S., Steiner, B., Fang, L., Bai, J. and Chintala, S., 2019. *PyTorch*:

*An Imperative Style, High-Performance Deep Learning Library*. Available at: <<https://arxiv.org/abs/1912.01703>>.

Redmon, J., Divvala, S., Girshick, R. and Farhadi, A., 2016. *You Only Look Once: Unified, Real-Time Object Detection*. Available at: <<https://arxiv.org/abs/1506.02640>>.

Sarker, I.H., 2022. AI-Based Modeling: Techniques, Applications and Research Issues Towards Automation, Intelligent and Smart Systems. *SN Computer Science*, [online] 3(2), p.158. <https://doi.org/10.1007/s42979-022-01043-x>.

Short, A.D. and Hogan, C.L., 1994. Rip Currents and Beach Hazards: Their Impact on Public Safety and Implications for Coastal Management. *Journal of Coastal Research*, [online] pp.197–209. Available at: <<http://www.jstor.org/stable/25735599>>.

de Silva, A., Mori, I., Dusek, G., Davis, J. and Pang, A., 2021. Automated rip current detection with region based convolutional neural networks. *Coastal Engineering*, [online] 166, p.103859. <https://doi.org/10.1016/j.coastaleng.2021.103859>.

Vilcapoma, P., Parra Meléndez, D., Fernández, A., Váscónez, I.N., Hillmann, N.C., Gatica, G. and Váscónez, J.P., 2024. Comparison of Faster R-CNN, YOLO, and SSD for Third Molar Angle Detection in Dental Panoramic X-rays. *Sensors*, [online] 24(18). <https://doi.org/10.3390/s24186053>.

Vinodhini, K.A. and Sidhaarth, K.R.A., 2024. Pothole detection in bituminous road using CNN with transfer learning. *Measurement: Sensors*, 31, p.100940. <https://doi.org/10.1016/J.MEASEN.2023.100940>.

Wu, J., 2017. Introduction to convolutional neural networks. *National Key Lab for Novel Software Technology. Nanjing University. China*, 5(23), p.495.

Zhao, Z.-Q., Zheng, P., Xu, S. and Wu, X., 2019. *Object Detection with Deep Learning: A Review*. Available at: <<https://arxiv.org/abs/1807.05511>>.

Zhu, D., Qi, R., Hu, P., Su, Q., Qin, X. and Li, Z., 2022. YOLO-Rip: A modified lightweight network for Rip currents detection. *Frontiers in Marine Science*, [online] 9. <https://doi.org/10.3389/fmars.2022.930478>.

Zou, Z., Chen, K., Shi, Z., Guo, Y. and Ye, J., 2023. Object Detection in 20 Years: A Survey. [online] Available at: <<https://arxiv.org/abs/1905.05055>>.