

DAFTAR PUSTAKA

- [1] H. Akbar and S. A. Kamaruddin, “Faktor-Faktor yang Berhubungan dengan Perilaku Tidak Aman pada Pengendara Ojek dan Becak Motor di Kota Kotamobagu Factors Related to Unsafe Behavior Among Motorcycle Taxi and Auto Rickshaw Drivers in the City of Kotamobagu,” *PROMOTIF: Jurnal Kesehatan Masyarakat*, vol. 12, no. 1, pp. 36–42, 2022, doi: 10.56338/pjkm.v12i1.2443.
- [2] F. Lestari, L. Febria Lina, N. D. Puspaningtyas, and I. Cahya Pratama, “PENINGKATAN PENGETAHUAN PATUH BERLALU LINTAS DAN BERKENDARA AMAN PADA SISWA SMA 1 NATAR,” *Journal of Technology and Social for Community Service (JTSCS)*, vol. 3, no. 2, pp. 249–253, 2022, doi: 10.33365/jsstcs.v3i2.2118.
- [3] L. A. Rizqandini, D. Lintang Trenggonowati, and L. Lady, “EFEK USIA, PENGALAMAN BERKENDARA, DAN TINGKAT KECELAKAAN TERHADAP DRIVER BEHAVIOR PENGENDARA SEPEDA MOTOR,” *J Teknol*, vol. 12, no. 1, pp. 57–64, 2020, doi: 10.24853/jurtek.12.1.57-64.
- [4] M. Tabary *et al.*, “The effectiveness of different types of motorcycle helmets – A scoping review,” *Accid Anal Prev*, vol. 154, May 2021, doi: 10.1016/j.aap.2021.106065.
- [5] M. Yulianingsih and Fridino, “IMPLEMENTASI UU NO. 22 TAHUN 2009 YANG BERKAITAN DENGAN PENGGUNAAN HELM SNI DI KECAMATAN TEBAS,” *Jurnal Pendidikan Kewarganegaraan*, vol. 3, no. 2, pp. 111–120, 2019, doi: 10.31571/pkn.v3i2.1434.
- [6] B. Sugandi and S. Lifitri, “Deteksi Pelanggaran Lampu Lalu Lintas Berdasarkan Sensor Visual,” *JST (Jurnal Sains dan Teknologi)*, vol. 11, no. 2, pp. 315–323, Aug. 2022, doi: 10.23887/jstundiksha.v11i2.50287.
- [7] A. S. Nugroho, “ELECTRONIC TRAFFIC LAW ENFORCEMENT (ETLE) MOBILE SEBAGAI DIFUSI INOVASI, INTEROPERABILITAS MENUJU ETLE NASIONAL (STUDI IMPLEMENTASI ETLE MOBILE

DI WILAYAH PROPINSI JAWA TENGAH)," *Jurnal Ilmu Kepolisian*, vol. 16, no. 3, pp. 157–176, 2022, doi: 10.35879/jik.v16i3.358.

- [8] A. R. Admoko and Supriyadi, "Penerapan Sanksi Denda Tilang Elektronik Traffic Law Enforcement (E-TLE) Berdasarkan Undang-Undang No. 22 Tahun 2009 Tentang Lalu Lintas dan Angkutan Jalan," *MLJ Merdeka Law Journal*, vol. 3, no. 2, pp. 148–156, 2022, doi: 10.26905/mlj.v3i2.9220.
- [9] F. Nurany, A. Nasya Damayanti, F. Aetika Wulandari, F. Nuzul Furqonia, A. Sulthon AHK, and U. Bhayangkara Surabaya, "KUALITAS PELAYANAN PUBLIK PADA LAYANAN E-TILANG SURABAYA," *Jurnal Aplikasi Administrasi*, vol. 24, no. 1, pp. 9–22, 2021, doi: 10.30649/aamama.v24i1.51.
- [10] T. Sutrisna, "Kelemahan E-TLE, dari Belum Bisa Ciduk Pengendara Tak Pakai Helm hingga Salah Tilang," KOMPAS.com. Accessed: May 09, 2023. [Online]. Available: <https://megapolitan.kompas.com/read/2022/11/12/12001381/kelemahan-e-tle-dari-belum-bisa-ciduk-pengendara-tak-pakai-helm-hingga>
- [11] T. Sutrisna, "Polda Metro: ETLE Belum Bisa Tilang Pengendara Tak Pakai Helm dan Kendaraan Kelebihan Penumpang ,," KOMPAS.com. Accessed: May 09, 2023. [Online]. Available: <https://megapolitan.kompas.com/read/2022/11/11/16550771/polda-metro-etle-belum-bisa-tilang-pengendara-tak-pakai-helm-dan>
- [12] K. Adi, C. E. Widodo, and A. Pujiwidodo, "DESIGN AND IMPLEMENTATION OF TRAFFIC VIOLATION DETECTION SYSTEMS WITH DEEP LEARNING TO SUPPORT ELECTRONIC TRAFFIC LAW ENFORCEMENT (e-TLE)," *ARPN Journal of Engineering and Applied Sciences*, vol. 16, no. 10, pp. 1062–1070, 2021.
- [13] J. Chai, H. Zeng, A. Li, and E. W. T. Ngai, "Deep learning in computer vision: A critical review of emerging techniques and application scenarios," *Machine Learning with Applications*, vol. 6, pp. 1–13, 2021, doi: 10.24433/CO.0411648.v1.

- [14] Z.-Q. Zhao, P. Zheng, S. Xu, and X. Wu, “Object Detection with Deep Learning: A Review,” *IEEE Trans Neural Netw Learn Syst*, vol. 30, no. 11, pp. 3212–3232, Jul. 2019, doi: 10.1109/TNNLS.2018.2876865.
- [15] S. Srivastava, A. V. Divekar, C. Anilkumar, I. Naik, V. Kulkarni, and V. Pattabiraman, “Comparative analysis of deep learning image detection algorithms,” *J Big Data*, vol. 8, no. 1, Dec. 2021, doi: 10.1186/s40537-021-00434-w.
- [16] D. Bhabad, S. Kadam, T. Malode, G. Shinde, and D. Bage, “Object Detection for Night Vision using Deep Learning Algorithms,” *International Journal of Computer Trends and Technology*, vol. 71, no. 2, pp. 87–92, Feb. 2023, doi: 10.14445/22312803/IJCTT-V71I2P113.
- [17] S. Wu, Z. Li, S. Li, Q. Liu, and W. Wu, “Static Gesture Recognition Algorithm Based on Improved YOLOv5s,” *Electronics (Switzerland)*, vol. 12, no. 3, Feb. 2023, doi: 10.3390/electronics12030596.
- [18] A. A. Mirza *et al.*, “The Use of Artificial Intelligence in Medical Imaging: A Nationwide Pilot Survey of Trainees in Saudi Arabia,” *Clin Pract*, vol. 12, no. 6, pp. 852–866, Dec. 2022, doi: 10.3390/clinpract12060090.
- [19] Y. Xu *et al.*, “Artificial intelligence: A powerful paradigm for scientific research,” *The Innovation*, vol. 2, no. 4. Cell Press, Nov. 28, 2021. doi: 10.1016/j.xinn.2021.100179.
- [20] I. H. Sarker, “Machine Learning: Algorithms, Real-World Applications and Research Directions,” *SN Comput Sci*, vol. 2, no. 3, May 2021, doi: 10.1007/s42979-021-00592-x.
- [21] M. Abdullah-Al-Noman, A. N. Eva, T. B. Yeahyea, and R. Khan, “Computer Vision-based Robotic Arm for Object Color, Shape, and Size Detection,” *Journal of Robotics and Control (JRC)*, vol. 3, no. 2, pp. 180–186, Mar. 2022, doi: 10.18196/jrc.v3i2.13906.
- [22] J. Peddie, E. Fonseka, K. Akeley, M. Mangan, P. Debevec, and M. Raphael, “A vision for computer vision: Emerging technologies,” in *ACM SIGGRAPH 2016 Panels, SIGGRAPH 2016*, Association for Computing Machinery, Inc, Jul. 2016. doi: 10.1145/2927383.2933233.

- [23] A. I. Khan and S. Al-Habsi, "Machine Learning in Computer Vision," in *Procedia Computer Science*, Elsevier B.V., 2020, pp. 1444–1451. doi: 10.1016/j.procs.2020.03.355.
- [24] K. L. Masita, A. N. Hasan, and T. Shongwe, "Deep Learning in Object Detection: a Review," in *2020 International Conference on Artificial Intelligence, Big Data, Computing and Data Communication Systems (icABCD)*, 2020, pp. 1–11. doi: DOI:10.1109/icABCD49160.2020.9183866.
- [25] Y. Xiao *et al.*, "A review of object detection based on deep learning," *Multimed Tools Appl*, vol. 79, no. 33–34, pp. 23729–23791, Sep. 2020, doi: 10.1007/s11042-020-08976-6.
- [26] J. Kaur and W. Singh, "Tools, techniques, datasets and application areas for object detection in an image: a review," *Multimed Tools Appl*, vol. 81, no. 27, pp. 38297–38351, Nov. 2022, doi: 10.1007/s11042-022-13153-y.
- [27] B. Mirzaei, H. Nezamabadi-pour, A. Raoof, and R. Derakhshani, "Small Object Detection and Tracking: A Comprehensive Review," *Sensors*, vol. 23, no. 15, Aug. 2023, doi: 10.3390/s23156887.
- [28] M. Abouelyazid, "Comparative Evaluation of SORT, DeepSORT, and ByteTrack for Multiple Object Tracking in Highway Videos," *International Journal of Sustainable Infrastructure for Cities and Societies*, vol. 8, no. 11, pp. 42–52, 2023.
- [29] V. A. Golovko, "Deep learning: an overview and main paradigms," *Optical Memory and Neural Networks (Information Optics)*, vol. 26, no. 1, pp. 1–17, Jan. 2017, doi: 10.3103/S1060992X16040081.
- [30] L. Alzubaidi *et al.*, "Review of deep learning: concepts, CNN architectures, challenges, applications, future directions," *J Big Data*, vol. 8, no. 1, Dec. 2021, doi: 10.1186/s40537-021-00444-8.
- [31] T. Diwan, G. Anirudh, and J. V. Tembhurne, "Object detection using YOLO: challenges, architectural successors, datasets and applications," *Multimed Tools Appl*, vol. 82, no. 6, pp. 9243–9275, Mar. 2023, doi: 10.1007/s11042-022-13644-y.

- [32] J. Terven and D. Cordova-Esparza, “A Comprehensive Review of YOLO: From YOLOv1 to YOLOv8 and Beyond,” Apr. 2023, doi: 10.48550/arXiv.2304.00501.
- [33] M. Lalinia and A. Sahafi, “Colorectal polyp detection in colonoscopy images using YOLO-V8 network,” *Signal Image Video Process*, vol. 18, no. 3, pp. 2047–2058, Apr. 2024, doi: 10.1007/s11760-023-02835-1.
- [34] Z. Huang, L. Li, G. C. Krizek, and L. Sun, “Research on Traffic Sign Detection Based on Improved YOLOv8,” *Journal of Computer and Communications*, vol. 11, no. 07, pp. 226–232, 2023, doi: 10.4236/jcc.2023.117014.
- [35] “results - Ultralytics YOLOv8 Docs.” Accessed: May 17, 2024. [Online]. Available: <https://docs.ultralytics.com/reference/engine/results/>
- [36] Provost James, “NVIDIA MAKES IT EASY TO EMBED AI THE JETSON NANO PACKS A LOT OF MACHINE-LEARNING POWER INTO DIY PROJECTS,” 2020. doi: 10.1109/MSPEC.2020.9126102.
- [37] Z. Deng, C. Yao, and Q. Yin, “Safety Helmet Wearing Detection Based on Jetson Nano and Improved YOLOv5,” *Advances in Civil Engineering*, vol. 2023, pp. 1–12, May 2023, doi: 10.1155/2023/1959962.
- [38] M. Oliveira Jr., G. Sedrez, G. de Souza, and G. Cavalheiro, “An Application with Jetson Nano for Plant Stress Detection and On-field Spray Decision,” Scitepress, Feb. 2022, pp. 215–222. doi: 10.5220/0010983900003118.
- [39] W. Rahmani and A. Hernawan, “Real-time human detection using deep learning on embedded platforms: A review,” *Journal of Robotics and Control (JRC)*, vol. 2, no. 6. Department of Agribusiness, Universitas Muhammadiyah Yogyakarta, pp. 462-468Y, Nov. 01, 2021. doi: 10.18196/jrc.26123.
- [40] A. Chairat, M. N. Dailey, and D. Raj, “Low Cost, High Performance Automatic Motorcycle Helmet Violation Detection,” in *2020 IEEE Winter Conference on Applications of Computer Vision (WACV)*, 2020, pp. 3560–3568. doi: 10.1109/WACV45572.2020.9093538.

- [41] M. Luqman Bukhori and E. E. Prasetyo, “Jetson Nano-Based Mask Detection System with TensorFlow Deep Learning Framework,” *JURNAL NASIONAL TEKNIK ELEKTRO DAN TEKNOLOGI INFORMASI*, vol. 12, no. 1, pp. 15–21, 2022, doi: 10.22146/jnteti.v12i1.5472.
- [42] K. Al-Nujaidi, G. Al-Habib, and A. Al-Odhieb, “Spot-the-Camel: Computer Vision for Safer Roads,” *International Journal of Artificial Intelligence & Applications*, vol. 14, no. 2, pp. 1–10, Mar. 2023, doi: 10.5121/ijaia.2023.14201.
- [43] G. Agorku *et al.*, “Real-Time Helmet Violation Detection Using YOLOv5 and Ensemble Learning,” *arXiv e-prints*, Apr. 2023, doi: 10.48550/arXiv.2304.09246.