

DAFTAR PUSTAKA

- Abd Ali, A. Q., Farhan, H. R., Kod, M. S., & Singh, K. R. (2024). *An Efficient System for Detecting Multiple Traffic Violations and Recognizing License Plates Using Video Processing and Deep Learning*.
- Alzubaidi, L., Zhang, J., Humaidi, A. J., Al-Dujaili, A., Duan, Y., Al-Shamma, O., Santamaría, J., Fadhel, M. A., Al-Amidie, M., & Farhan, L. (2021). Review of Deep Learning: Concepts, CNN Architectures, Challenges, Applications, Future Directions. *Journal of Big Data*, 8(1), 53. <https://doi.org/10.1186/s40537-021-00444-8>
- Arnob, F., Fuad, A., Nizam, A., Barua, S., & ... (2020). An Intelligent Traffic System for Detecting Lane Based Rule Violation.
- Bengio, Y., Goodfellow, I., & Courville, A. (2015). *Deep learning* (Vol. 1). MIT press Cambridge, MA, USA.
- Bhisikar, R., Aswale, R., Nayak, N., Gawali, N., & Pande, A. (2020). *Integrated E-Challan for Traffic System Using QR-Code*. 2(8).
- Carrington, A. M., Manuel, D. G., Fieguth, P. W., Ramsay, T., Osmani, V., Wernly, B., Bennett, C., Hawken, S., Magwood, O., Sheikh, Y., McInnes, M., & Holzinger, A. (2023). Deep ROC Analysis and AUC as Balanced Average Accuracy, for Improved Classifier Selection, Audit and Explanation. *IEEE Transactions on Pattern Analysis and Machine Intelligence*, 45(1), 329–341. <https://doi.org/10.1109/TPAMI.2022.3145392>
- Chairat, A., Dailey, M. N., Limsoonthrakul, S., Ekpanyapong, M., & Raj K.C., D. (2020). Low Cost, High Performance Automatic Motorcycle Helmet Violation Detection. *2020 IEEE Winter Conference on Applications of Computer Vision (WACV)*, 3549–3557. <https://doi.org/10.1109/WACV45572.2020.9093538>
- Chaki, J., & Dey, N. (2019). *A Beginner's Guide to Image Preprocessing Techniques*. CRC Press/Taylor & Francis Group.
- Daiyah, C. F. (2022). Beberapa Faktor Penyebab Kecelakaan di Indonesia. *Jurnal Ilmu Teknik*, 2(2), Article 2.
- 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>
- García, S., Luengo, J., & Herrera, F. (2015). *Data Preprocessing in Data Mining* (Vol. 72). Springer International Publishing. <https://doi.org/10.1007/978-3-319-10247-4>
- Géron, A. (2019). *Hands-on Machine Learning with Scikit-Learn, Keras, and TensorFlow*.
- 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, J., Kamber, M., & Pei, J. (2012). *Data Mining Concepts and Techniques* (Third Edition).

- Hevia, A. F., Pardo-Fernández, J. C., & González-Manteiga, W. (2024). *A New Test for Assessing the Covariate Effect in ROC Curves* (No. arXiv:2411.17464). arXiv. <https://doi.org/10.48550/arXiv.2411.17464>
- Hisaria, S., Sharma, P., Gupta, R., & Sumalatha, K. (2024). *An Analysis of Multi-Criteria Performance in Deep Learning-Based Medical Image Classification: A comprehensive review*. In Review. <https://doi.org/10.21203/rs.3.rs-4125301/v1>
- James, G., Witten, D., Hastie, T., & Tibshirani, R. (2013). *An Introduction to Statistical Learning* (Vol. 103). Springer New York. <https://doi.org/10.1007/978-1-4614-7138-7>
- Khanam, R., & Hussain, M. (2024). *YOLOv11: An Overview of The Key Architectural Enhancements* (No. arXiv:2410.17725). arXiv. <http://arxiv.org/abs/2410.17725>
- Kumar, M. K., Sanjana, C., Shireen, F., Harichandana, D., Sharma, M., & Manasa, M. (2023). *Automatic Number Plate Detection for Motorcyclists Riding Without Helmet*.
- Li, W., Liu, K., Zhang, L., & Cheng, F. (2020). Object Detection Based on An Adaptive Attention Mechanism. *Scientific Reports*, 10(1), 11307.
- Navamalika, T.T., J., & A.S.D., R. (2021). i-finepay: Platform Independent on the Spot Traffic Payment Solution. *International Journal of Computer Applications*, 183(33), 31–37. <https://doi.org/10.5120/ijca2021921720>
- Nguyen, H.-V., Bae, J.-H., Lee, Y.-E., Lee, H.-S., & Kwon, K.-R. (2022). Comparison of Pre-Trained YOLO Models on Steel Surface Defects Detector Based on Transfer Learning with GPU-Based Embedded Devices. *Sensors*, 22(24), Article 24. <https://doi.org/10.3390/s22249926>
- Nurfauziah, R., & Krisnani, H. (2021). Perilaku Pelanggaran Lalu Lintas oleh Remaja Ditinjau Dari Perspektif Konstruksi Sosial. *Jurnal Kolaborasi Resolusi Konflik*, 3(1), 75–85.
- Pangestuti, E. (2021). Prosedur Penyelesaian Hukum Terhadap Pelanggaran Lalu Lintas Dalam KUHP. *Yustitiabelen*, 7(1), Article 1. <https://doi.org/10.36563/yustitiabelen.v7i1.321>
- Patil, A. D., Kewate, N. D., Raut, A. A., Dubekar, M. B., & Raut, Y. S. (2022). *Automatic E-Challan Generation on the Violation of RTO Helmet Rules*. 7(6).
- Perkembangan Jumlah Kendaraan Bermotor Menurut Jenis Unit*. (2024). Badan Pusat Statistik.
- PP No. 80 Tahun 2012*. (2012). <https://peraturan.bpk.go.id/Details/5294/pp-no-80-tahun-2012>
- Pranshu, A., Ijju, S. K., & Swarnalatha, P. (2020). E-Challan: Online Traffic Rules Violation Penalty and Management System. *International Journal of Computer Applications*, 176(37).
- Prince, S. J. D. (2012). *Computer Vision: Models, Learning, and Inference*. Cambridge University Press.
- Rizki, A., Harisah, D., Aziz, M. F. A., & Rahayu, P. (2022). *Sistem Informasi Manajemen Operasi Lalu Lintas dengan Metode Extreme Programming*. 11.
- Rohan, R. M. Y., S, S., & Bairwa, B. (2023). Smart Traffic Fines Management System Using GSM Module. *2023 IEEE Renewable Energy and*

- Sustainable E-Mobility Conference (RESEM)*, 1–6. <https://doi.org/10.1109/RESEM57584.2023.10236369>
- Samuel, S., Reghunadh, S., Ashwin, M. K., Sabu, S., Nair, S. S., & Varghese, R. R. (2020). An Intelligent Traffic Monitoring System for Non-Helmet Wearing Motorcyclists Detection. *2020 International Conference on Data Analytics for Business and Industry: Way Towards a Sustainable Economy (ICDABI)*, 1–5. <https://ieeexplore.ieee.org/abstract/document/9325632/>
- Shanmugamani, R. (2018). *Deep learning for Computer Vision: Expert Techniques to Train Advanced Neural Networks using TensorFlow and Keras* (1st ed). Packt Publishing.
- Sharda, R., Delen, D., & Turban, E. (2018). *Business Intelligence, Analytics, and Data Science: A Managerial Perspective* (Fourth edition). Pearson.
- Shimaoka, A. M., Ferreira, R. C., & Goldman, A. (2024). The Evolution of CRISP-DM for Data Science: Methods, Processes and Frameworks. *SBC Reviews on Computer Science*, 4(1), 28–43. <https://doi.org/10.5753/reviews.2024.3757>
- Shorten, C., & Khoshgoftaar, T. M. (2019). A survey on Image Data Augmentation for Deep Learning. *Journal of Big Data*, 6(1), 60. <https://doi.org/10.1186/s40537-019-0197-0>
- Sutrisna, T., & Januarius Kuwado, F. (2022). Kelemahan E-TLE, dari Belum Bisa Ciduk Pengendara Tak Pakai Helm hingga Salah Tilang. *Kompas.Com*.
- Szeliski, R. (2011). *Computer Vision: Algorithms and Applications*. Springer London. <https://doi.org/10.1007/978-1-84882-935-0>
- Tan, M., & Le, Q. V. (2019). *EfficientNet: Rethinking Model Scaling for Convolutional Neural Networks*.
- Thabtah, F., Hammoud, S., Kamalov, F., & Gonsalves, A. (2020). Data imbalance in classification: Experimental evaluation. *Information Sciences*, 513, 429–441. <https://doi.org/10.1016/j.ins.2019.11.004>
- Tingginya Angka Pelanggaran Lalu Lintas*. (2024).
- Tonge, A., Chandak, S., Khiste, R., Khan, U., & Bewoor, L. A. (2020). Traffic Rules Violation Detection using Deep Learning. *2020 4th International Conference on Electronics, Communication and Aerospace Technology (ICECA)*, 1250–1257. <https://doi.org/10.1109/ICECA49313.2020.9297495>
- Torralba, A., Isola, P., & Freeman, W. T. (2024). *Foundations of Computer Vision*. MIT Press.
- UU No. 22 Tahun 2009*. (2009). Database Peraturan | JDIH BPK. <http://peraturan.bpk.go.id/Details/38654/uu-no-22-tahun-2009>
- Wang, B. (2022). *A Parallel Implementation of Computing Mean Average Precision* (No. arXiv:2206.09504). arXiv.
- Wang, X. (2024). Improvement of EfficientNet in Medical Waste Classification. *Science and Technology of Engineering, Chemistry and Environmental Protection*, 1(7). <https://doi.org/10.61173/dzxz2j87>
- Witten, I. H., Frank, E., Hall, M. A., & Pal, C. J. (2016). *Data Mining: Practical Machine Learning Tools and Techniques*. Morgan Kaufmann.
- Wongvorachan, T., He, S., & Bulut, O. (2023). A Comparison of Undersampling, Oversampling, and SMOTE Methods for Dealing with Imbalanced Classification in Educational Data Mining. *Information*, 14(1), 54.

- Yang, S., & Berdine, G. (2024). Confusion Matrix. *The Southwest Respiratory and Critical Care Chronicles*, 12(53), 75–79.
- Zhao, X., Wang, L., Zhang, Y., Han, X., Deveci, M., & Parmar, M. (2024). A Review of Convolutional Neural Networks in Computer Vision. *Artificial Intelligence Review*, 57(4), 99. <https://doi.org/10.1007/s10462-024-10721-6>
- Zophie, J., & Triharminto, H. H. (2022). Implementasi Algoritma You Only Look Once (YOLO) Menggunakan Web Camera Untuk Mendeteksi Objek Statis dan Dinamis. *TNI Angkatan Udara*, 1(1). <https://doi.org/10.62828/jpb.v1i1.50>