

DAFTAR PUSTAKA

- [1] Badan Pusat Statistik, “Perkembangan Jumlah Kendaraan Bermotor Menurut Jenis (Unit), 2019-2021,” Badan Pusat Statistik. Diakses: 21 September 2023. [Daring]. Tersedia pada: <https://www.bps.go.id/indicator/17/57/1/perkembangan-jumlah-kendaraan-.html>
- [2] Badan Pusat Statistik, “Panjang Jalan Menurut Tingkat Kewenangan (km), 2019-2021,” Badan Pusat Statistik. Diakses: 21 September 2023. [Daring]. Tersedia pada: <https://www.bps.go.id/indicator/17/50/1/panjang-jalan-menurut-tingkat-kewenangan.html>
- [3] H. Karimi, B. Ghadirifaraz, S. N. Shetab Boushehri, S.-M. Hosseininasab, dan N. Rafiei, “Reducing traffic congestion and increasing sustainability in special urban areas through one-way traffic reconfiguration,” *Transportation*, vol. 49, no. 1, hlm. 37–60, Feb 2022, doi: 10.1007/s11116-020-10162-4.
- [4] S. Li, F. Chang, dan C. Liu, “Bi-Directional Dense Traffic Counting Based on Spatio-Temporal Counting Feature and Counting-LSTM Network,” *IEEE Trans. Intell. Transport. Syst.*, vol. 22, no. 12, hlm. 7395–7407, Des 2021, doi: 10.1109/TITS.2020.3001638.
- [5] R. Kejriwal, R. H J, A. Arora, dan Mohana, “Vehicle Detection and Counting using Deep Learning basedYOLO and Deep SORT Algorithm for Urban Traffic Management System,” dalam *2022 First International Conference on Electrical, Electronics, Information and Communication Technologies (ICEEICT)*, Trichy, India: IEEE, Feb 2022, hlm. 1–6. doi: 10.1109/ICEEICT53079.2022.9768653.
- [6] S. I. C. Imperial, A. L. L. Lucas, dan M. V. Caya, “Vehicle Type Classification and Counting Using YOLOv4 Algorithm,” dalam *2022 IEEE International Conference on Artificial Intelligence in Engineering and Technology (IICAJET)*, Kota Kinabalu, Malaysia: IEEE, Sep 2022, hlm. 1–6. doi: 10.1109/IICAJET55139.2022.9936874.
- [7] Z. Kadim, K. Mohd. Johari, D. Fairol, Y. S. Li, dan H. W. Hon, “Real-time vehicle counting in complex scene for traffic flow estimation using multi-level convolutional neural network,” *IJATEE*, vol. 8, no. 75, hlm. 338–351, Feb 2021, doi: 10.19101/IJATEE.2020.762128.
- [8] A. O. Philip, A. Jacob, T. K, A. K. S, A. Ashok, dan D. Kb, “Smart Standalone Edge IoT Device for Traffic Volume Counting in Smart Cities,” dalam *2023 2nd International Conference on Edge Computing and Applications (ICECAA)*, Namakkal, India: IEEE, Jul 2023, hlm. 1255–1259. doi: 10.1109/ICECAA58104.2023.10212184.
- [9] K. Balaji, A. Chowhith, dan S. G. Desai, “Vehicle Counting Method Based On Gaussian Mixture Models And Blob Analysis,” *Int. J. Res. Publ. Rev.*, hlm. 2912–2917, Jun 2022, doi: 10.55248/gengpi.2022.3.6.36.



- [10] Salma Bouaich, M. A. Mahraz, J. Riffi, dan H. Tairi, “Vehicle Counting Based on Road Lines,” *Pattern Recognit. Image Anal.*, vol. 31, no. 4, hlm. 739–748, Okt 2021, doi: 10.1134/S1054661821040076.
- [11] V.-H. Tran dkk., “Real-time and Robust System for Counting Movement-Specific Vehicle at Crowded Intersections,” dalam *2021 IEEE/CVF Conference on Computer Vision and Pattern Recognition Workshops (CVPRW)*, Nashville, TN, USA: IEEE, Jun 2021, hlm. 4223–4230. doi: 10.1109/CVPRW53098.2021.00478.
- [12] Q-engineering, “Install OpenCV on Jetson Nano,” Q-engineering. Diakses: 18 November 2023. [Daring]. Tersedia pada: <https://qengineering.eu/install-opencv-on-jetson-nano.html>
- [13] Rhammell, “Large Accuracy Differences between MobileNet V1 and V2?,” Edge Impulse. Diakses: 18 November 2023. [Daring]. Tersedia pada: <https://forum.edgeimpulse.com/t/large-accuracy-differences-between-mobilenet-v1-and-v2/2410>
- [14] J. Marks, “Exploring Google’s Open Images V7,” Exploring Google’s Open Images V7. Diakses: 18 November 2023. [Daring]. Tersedia pada: <https://voxel51.com/blog/exploring-google-open-images-v7/>
- [15] J. McCarthy, “WHAT IS ARTIFICIAL INTELLIGENCE?,” *Stanford University*, hlm. 14, Nov 2004.
- [16] A. Turing, “COMPUTING MACHINERY AND INTELLIGENCE,” *Oxford*, 1950, doi: <https://doi.org/10.1093/oso/9780198250791.003.0017>.
- [17] W. Khan dan K. J. Singh, “Computerized Sensing of Diabetes Retinopathy with Fundus Images Using CNN,” dalam *Recent Advances in Electrical and Electronic Engineering*, B. P. Swain dan U. S. Dixit, Ed., Singapore: Springer Nature Singapore, 2024, hlm. 383–397.
- [18] T. M. Mitchell, *Machine Learning*. dalam McGraw-Hill series in computer science. New York: McGraw-Hill, 1997.
- [19] A. Dey, “Machine Learning Algorithms: A Review,” vol. 7, hlm. 6, 2016.
- [20] I. Goodfellow, Y. Bengio, dan A. Courville, *Deep Learning*. MIT Press, 2016. [Daring]. Tersedia pada: www.deeplearningbook.org
- [21] S. Albawi, T. A. Mohammed, dan S. Al-Zawi, “Understanding of a convolutional neural network,” dalam *2017 International Conference on Engineering and Technology (ICET)*, Antalya: IEEE, Agu 2017, hlm. 1–6. doi: 10.1109/ICEngTechnol.2017.8308186.
- [22] W. Liu dkk., “SSD: Single Shot MultiBox Detector,” vol. 9905, 2016, hlm. 21–37. doi: 10.1007/978-3-319-46448-0_2.
- [23] F. Zuppichini, “Residual, BottleNeck, Inverted Residual, Linear BottleNeck, MBConv Explained,” Medium. Diakses: 28 Agustus 2022. [Daring]. Tersedia pada: <https://towardsdatascience.com/residual-bottleneck-inverted-residual-linear-bottleneck-mbconv-explained-89d7b7e7c6bc>
- [24] Hugging Face, “MobileNet V1,” Hugging Face. Diakses: 22 November 2023. [Daring]. Tersedia pada: https://huggingface.co/docs/transformers/main/model_doc/mobilenet_v1
- [25] F. Gao dan H. Zhong, “Study on the Large Batch Size Training of Neural Networks Based on the Second Order Gradient.” arXiv, 16 Desember 2020.



- Diakses: 18 November 2023. [Daring]. Tersedia pada: <http://arxiv.org/abs/2012.08795>
- [26] J. Brownlee, "Understand the Impact of Learning Rate on Neural Network Performance," MachineLearningMastery. Diakses: 22 November 2023. [Daring]. Tersedia pada: <https://machinelearningmastery.com/understand-the-dynamics-of-learning-rate-on-deep-learning-neural-networks/>
 - [27] Baeldung, "Training and Validation Loss in Deep Learning | Baeldung on Computer Science," Baeldung. Diakses: 18 November 2023. [Daring]. Tersedia pada: <https://www.baeldung.com/cs/training-validation-loss-deep-learning>
 - [28] L. Gupta, "Focal Loss — What, Why, and How?," Medium. Diakses: 22 November 2023. [Daring]. Tersedia pada: <https://medium.com/swlh/focal-loss-what-why-and-how-df6735f26616>
 - [29] S. Li, C. He, R. Li, dan L. Zhang, "A Dual Weighting Label Assignment Scheme for Object Detection," dalam *2022 IEEE/CVF Conference on Computer Vision and Pattern Recognition (CVPR)*, New Orleans, LA, USA: IEEE, Jun 2022, hlm. 9377–9386. doi: 10.1109/CVPR52688.2022.00917.
 - [30] Y. Wu dkk., "Demystifying Learning Rate Policies for High Accuracy Training of Deep Neural Networks." arXiv, 26 Oktober 2019. Diakses: 18 November 2023. [Daring]. Tersedia pada: <http://arxiv.org/abs/1908.06477>
 - [31] J. Hui, "mAP (mean Average Precision) for Object Detection," Medium. Diakses: 28 Agustus 2022. [Daring]. Tersedia pada: <https://jonathan-hui.medium.com/map-mean-average-precision-for-object-detection-45c121a31173>
 - [32] M. Everingham, L. Van Gool, C. K. I. Williams, J. Winn, dan A. Zisserman, "The Pascal Visual Object Classes (VOC) Challenge," *Int J Comput Vis*, vol. 88, no. 2, hlm. 303–338, Jun 2010, doi: 10.1007/s11263-009-0275-4.
 - [33] Nvidia, "Jetson Nano Developer Kit," NVIDIA Developer. Diakses: 28 Agustus 2022. [Daring]. Tersedia pada: <https://developer.nvidia.com/embedded/jetson-nano-developer-kit>
 - [34] H. Hammock, "What Does Pla Stand For In 3D Printing," Robots.net. Diakses: 22 November 2023. [Daring]. Tersedia pada: <https://robots.net/tech/what-does-pla-stand-for-in-3d-printing/>
 - [35] R. B. Kristiawan, F. Imaduddin, D. Ariawan, Ubaidillah, dan Z. Arifin, "A review on the fused deposition modeling (FDM) 3D printing: Filament processing, materials, and printing parameters," *Open Engineering*, vol. 11, no. 1, hlm. 639–649, Apr 2021, doi: 10.1515/eng-2021-0063.

