

## DAFTAR PUSTAKA

- Bhardwaj, V., Rasamsetti, Y. and Valsan, V. (2021) 'Image Processing Based Smart Traffic Control System for Smart City', *2021 12th International Conference on Computing Communication and Networking Technologies, ICCCNT 2021*, pp. 1–6. Available at: <https://doi.org/10.1109/ICCCNT51525.2021.9579787>.
- Departemen Pekerjaan Umum (1997) *Manual Kapasitas Jalan Indonesia (MKJI)*, Direktorat Jendral Bina Marga. Jakarta.
- Ding, X. and Yang, R. (2019) 'Vehicle and Parking Space Detection Based on Improved YOLO Network Model Vehicle and Parking Space Detection Based on Improved YOLO Network Model'. Available at: <https://doi.org/10.1088/1742-6596/1325/1/012084>.
- Direktorat Jenderal Bina Marga (2023) *Pedoman Kapasitas Jalan Indonesia, Angewandte Chemie International Edition*, 6(11), 951–952. Available at: <https://medium.com/@arifwicaksanaa/pengertian-use-case-a7e576e1b6bf>.
- Elkhatib, Mohammed M., Adwan, Alarqam I., Alsamna, Ahmed S. Abu-Hudrouss, Ammar M. (2019) 'Smart traffic lights using image processing algorithms', *IEEE 7th Palestinian International Conference on Electrical and Computer Engineering, PICECE 2019*, pp. 1–6. Available at: <https://doi.org/10.1109/PICECE.2019.8747225>.
- Fadhlan, M.Y., B. Hanafi, U. and Aulia, M.R. (2021) 'Implementasi algoritma pendeteksi tingkat kepadatan lalu lintas menggunakan metode background subtraction', *JITEL (Jurnal Ilmiah Telekomunikasi, Elektronika, dan Listrik Tenaga)*, 1(1), pp. 59–68. Available at: <https://doi.org/10.35313/jitel.v1.i1.2021.59-68>.
- Gonzalez, R.C. and Woods, R.E. (2008) *Digital Image Processing*. Ketiga. New Jersey: Pearson Education, Inc.
- Goodfellow, I., Bengio, Y. and Courville, A. (2016) *Deep Learning*. MIT Press. Available at: <http://www.deeplearningbook.org>.
- Hadi, M.I., Silalahi, D.K. and Wibawa, P.D. (2022) 'Pengaturan Lampu Lalu Lintas Berdasarkan Deteksi Volume Kendaraan Menggunakan Metode Yolov3 Traffic Light Setting Based On Vehicle Volume Detection Using The Yolov3 Method', *e-Proceeding of Engineering*, 9(5), pp. 2133–2144. Available at: <https://openlibrarypublications.telkomuniversity.ac.id/index.php/engineering/article/view/18470>.
- Hasan, M., Das, S. and Akhand, N.T. (2021) 'Estimating Traffic Density on Roads using Convolutional Neural Network with Batch Normalization', *2021 5th International Conference on Electrical Engineering and Information &*

- Communication Technology (ICEEICT)*, pp. 1–6. Available at: <https://doi.org/10.1109/ICEEICT53905.2021.9667860>.
- Krizhevsky, A. and Hinton, G.E. (2017) ‘ImageNet Classification with Deep Convolutional Neural Networks’, *Association for Computing Machinery (ACM)*, 60, pp. 1–9.
- Lin, T. Lin, Tsung-yi, Maire, Michael, Belongie, Serge, Bourdev, Lubomir, Ross, Girshick, Hays, James, Perona, Pietro, Ramanan, Deva, Zitnick, C Lawrence, Doll, Piotr (2015) ‘Microsoft COCO : Common Objects in Context’, pp. 1–15.
- Nurlayli, A., Alqodri, F. and Intan Sulistyaningrum Sakkinah (2018) ‘Design of Fuzzy Simulation for Determining the Duration of Traffic Light Based on Vehicle Density Level and Carbon Monoxide Level’, *2018 4th International Conference on Science and Technology (ICST)*, 1, pp. 1–6.
- Putra, D. (2010) *Pengolahan Citra Digital*. Yogyakarta: Penerbit Andi. Available at: <https://books.google.co.id/books?id=NectMutqXJAC&lpg=PP1&pg=PP1#v=onepage&q&f=false>.
- Putra, M.A., Harjoko, A. and Wahyono (2022) ‘Estimation of Traffic Density Using CNN with Simple Architecture’, *Proceedings - IWIS 2022: 2nd International Workshop on Intelligent Systems*, pp. 1–5. Available at: <https://doi.org/10.1109/IWIS56333.2022.9920811>.
- Redmon, J. and Farhadi, A. (2018) ‘YOLOv3 : An Incremental Improvement’, p. 6.
- Sawardekar, S. and Naik, P.S.R. (2018) ‘Facial Expression Recognition using Efficient LBP and CNN’, *International Research Journal of Engineering and Technology (IRJET)*, 05(August), p. 6.
- Shea, K.O. and Nash, R. (2015) ‘An Introduction to Convolutional Neural Networks’, pp. 1–11.
- Stutz, D. and Beyer, L. (2014) ‘Understanding Convolutional Neural Networks’.
- Tiberio, J.L.L. and Jose, J.A. (2022) ‘Density-Based Optimization Approach for Coordinated Traffic Management on a Simplified Traffic Model using Genetic Algorithms’, *TENCON 2022 - 2022 IEEE Region 10 Conference (TENCON)*, pp. 1–8. Available at: <https://doi.org/10.1109/TENCON55691.2022.9977766>.
- Wini Mustikarani and Suherdiyanto (2016) ‘Analisis Faktor-Faktor Penyebab Kemacetan Lalu Lintas Di Sepanjang Jalan H Rais a Rahman (Sui Jawi) Kota Pontianak’, *Jurnal Edukasi*, 14(1), pp. 143–155.