

DAFTAR PUSTAKA

- Alrynto. (2018). *SISTEM DETEKSI POSISI OBJEK ACAK BERBASIS IMAGE PROCESSING PADA PLATFORM MYRIO*. Universitas Brawijaya.
- Bhandary, S. K., Dhakal, R., Sanghavi, V., & Verkicharlai, P. K. (2021). Ambient light level varies with different locations and environmental conditions: Potential to impact myopia. *PLoS ONE*, 16(7 July). <https://doi.org/10.1371/journal.pone.0254027>
- BPS. (2021). *Perkembangan Jumlah Kendaraan Bermotor Menurut Jenis (Unit), 2019-2021*. Bps.Go.Id. <https://www.bps.go.id/indicator/17/57/1/jumlah-kendaraan-bermotor.html>
- bps.go.id. (2023). *Laju Pertumbuhan Penduduk (Persen)*. Bps.Go.Id. <https://www.bps.go.id/indicator/12/1976/1/laju-pertumbuhan-penduduk.html>
- Chen, X. Z., Chang, C. M., Yu, C. W., & Chen, Y. L. (2020). A real-time vehicle detection system under various bad weather conditions based on a deep learning model without retraining. *Sensors (Switzerland)*, 20(20), 1–22. <https://doi.org/10.3390/s20205731>
- Cognex. (2016). *Introduction to Machine Vision*. COGNEX.
- Darma Sutisna, A., Sulastri, H., & Hidayat, E. W. (2021). Sistem Pengefektifan Pemberian Waktu Lampu Lalu Lintas dengan Memanfaatkan CCTV ATCS (Auto Traffic Control System) dan Metode Background Subtraction. *Scientific Articles of Informatics Students*, 4(1), 15–24. <https://publikasi.unsil.ac.id/index.php/sais>
- DISHUB Kota Bandung. (2023). *ATCS Kota Bandung*. Atcs-Dishub.Bandung.Go.Id. <https://atcs-dishub.bandung.go.id/>
- Dong, S., Li, C., Fu, Y., Wang, X., & Song, Z. (2021). The effect of traffic signal countdown on traffic flow. *Journal of Scientific and Engineering Research*, 2021(7), 90–95. www.jsaer.com
- Dr. Pranowo. (2015). *Pengolahan Citra Berbasis PDE dengan OpenCV*.
- Fajri, R. G., Santoso, I., Alvin, Y., & Soetrisno, A. (2020). PERANCANGAN PROGRAM PENDETEKSI DAN PENGKLASIFIKASI JENIS KENDARAAN DENGAN METODE CONVOLUTIONAL NEURAL NETWORK (CNN) DEEP LEARNING. In *TRANSIENT* (Vol. 9, Issue 1). <https://ejournal3.undip.ac.id/index.php/transient>
- Frank, A., Al Aamri, Y. S. K., & Zayegh, A. (2019). *IoT based Smart Traffic density Control using Image Processing*.
- Hasfar, M., & Adiwarsa, J. (2018). *PERANCANGAN TRAFFIC LIGHT BERBASIS MIKROKONTROLLER DAN TRIAC*. Universitas Muhammadiyah Makassar.

- Hidayati, Q. (2017). Kendali Lampu Lalu Lintas dengan Deteksi Kendaraan Menggunakan Metode Blob Detection. In *JNTETI* (Vol. 6, Issue 2).
- Hutabarat, S. M., Lubis, F., & Saleh, A. (2020). *PERENCANAAN TRAFFIC LIGHT PADA PERSIMPANGAN JALAN GARUDA SAKTI - JALAN MELATI - JALAN BINA WIDYA KOTA PEKANBARU*.
- Iriyanto, S. Y., & Zaini, T. M. (2014). *Pengolahan Citra Digital*. Anugrah Utama Raharja (AURA).
- Jain, R., Kasturi, R., & Schunck, B. G. (1995). *Machine Vision*.
- Jufri. (2016). *SIMULASI PENGATURAN LAMPU LINTAS (TRAFFIC LIGHT) BERBASIS MIKROKONTROLER*. Universitas Islam Negeri Alauddin.
- KORLANTAS POLRI. (2023). *JUMLAH DATA KENDARAAN PER POLDA*. Korlantas.Polri.Go.Id.
<http://rc.korlantas.polri.go.id:8900/eri2017/laprekappolda.php>
- Kurniati, N. L. W. R. (2019). Optimisasi Kinerja Area Traffic Control System (ATCS) di Kota Balikpapan. *Jurnal Penelitian Transportasi Darat*, 21(2), 155–164. <https://doi.org/10.25104/jptd.v21i2.1258>
- Kwon, K.-S., & Ready, S. (2015). *Practical Guide to Machine Vision Software An Introduction with LabVIEW*. Wiley-VCH Verlag GmbH & Co. KGaA, Boschstr.
- Lanca, C., Teo, A., Vivagandan, A., Htoon, H. M., Najjar, R. P., Spiegel, D. P., Pu, S. H., & Saw, S. M. (2019). The effects of different outdoor environments, sunglasses and hats on light levels: Implications for myopia prevention. *Translational Vision Science and Technology*, 8(4). <https://doi.org/10.1167/tvst.8.4.7>
- Lindstål, T., & Marklund, D. (2019). *Application of LabVIEW and myRIO to voice controlled home automation*. <http://www.teknat.uu.se/student>
- Logitech. (2023). *C270 HD WEBCAM Panggilan video HD 720p dasar*. Logitech.Com. <https://www.logitech.com/id-id/products/webcams/c270-hd-webcam.960-000584.html>
- Maria, E., Yulianto, Arinda, Y. P., Jumiathy, & Nobel, P. (2018). Segmentasi Citra Digital Bentuk Daun Pada Tanaman Di Politani Samarinda Menggunakan Metode Thresholding. *JURTI*, 2(1).
- Maulana, A. A. (2018). *PROTOTYPE PENGENDALI LAMPU BERBASIS MYRIO DAN LABVIEW*. Universitas Islam Indonesia.
- Meng, B. C. C., Damanhuri, N. S., & Othman, N. A. (2021). Smart traffic light control system using image processing. *IOP Conference Series: Materials Science and Engineering*, 1088(1), 012021. <https://doi.org/10.1088/1757-899x/1088/1/012021>

- MENHUB RI. (2014). *PERATURAN MENTERI PERHUBUNGAN REPUBLIK INDONESIA NOMOR PM 49 TAHUN 2014*.
- Muslikhin, Horng, J. R., Yang, S. Y., & Wang, M. S. (2020). Object Localization and Depth Estimation for Eye-in-Hand Manipulator Using Mono Camera. *IEEE Access*, 8, 121765–121779. <https://doi.org/10.1109/ACCESS.2020.3006843>
- National Instruments. (2018). *NI myRIO-1900 User Guide and Specifications*.
- National Instruments. (2021). *NI Vision Concepts Help*.
- Ng, K. M., Suhaimi, M. A. H., Ahmad, A., & Razak, N. A. (2018). Remote Air Quality Monitoring System by Using MyRIO-LabVIEW. *IEEE Control and System Graduate Research Colloquium (ICSGRC 2018)*.
- Pangemanan, T., & Rondonuwu, A. (2019). Perancangan Sistem Kontrol Lampu Lalulintas Cerdas Dengan Menggunakan Mikrokontroler dan Kamera. In *JURNAL MIPA* (Vol. 8, Issue 3). <http://ejournal.unsrat.ac.id/index.php/jmuo>
- Purwanda, N., Yenni, H., Khairul Anam, M., Teknik Informatika, J., Amik Riau, S., & Informasi, T. (2023). PROTOTYPE SMART TIME SCHEDULER LAMPU LALU LINTAS MENGGUNAKAN ALGORITMA HAAR CASCADE. In *Jalan Purwodadi Indah Km. 10 Panam* (Vol. 17, Issue 1). <https://ejurnal.teknokrat.ac.id/index.php/teknoinfo/index>
- Rafiq, A. A., Yusuf, M., & Pujono. (2018). Implementation of Digital Image Processing Using NI myRIO and Arduino Mega 2560 as Controller On Rover Bogie Robot. *International Conference on Applied Science and Technology (ICAST)*.
- Rafiq, A. A., Yusuf, M., & Pujono. (2019). DIGITAL IMAGE PROCESSING MENGGUNAKAN PERANGKAT LUNAK NI VISION DAN IP KAMERA DENGAN ROVER BOGIE ROBOT. *Jurnal Ecotipe (Electronic, Control, Telecommunication, Information, and Power Engineering)*, 6(1), 1–11. <https://doi.org/10.33019/ecotipe.v6i1.940>
- Razavi, M., Hamidkhani, M., & Sadeghi, R. (2019). *Smart Traffic Light Scheduling in Smart City Using Image and Video Processing*.
- Rofii, F., Priyandoko, G., Fanani, M. I., & Suraji, A. (2021). Vehicle Counting Accuracy Improvement By Identity Sequences Detection Based on Yolov4 Deep Neural Networks. *TEKNIK*, 42(2), 169–177. <https://doi.org/10.14710/teknik.v42i2.37019>
- Saputra, A., & Gianto, R. (2025). Evaluation of Public Street Lighting (PJU) on Jalan Ratu Sepudak, Singkawang City. *Computers, and Electricals Engineering Journal (TELECTRICAL)*, 2(3), 284–296. <https://doi.org/10.26418/telectrical.v2i3.85475>

- Saputra, D. I., & Aunillah, L. (2019). SKENARIO PENGENDALI LAMPU LALU LINTAS BERDASARKAN KEPADATAN KENDARAAN MENGGUNAKAN LOGIKA FUZZY DAN DETEKSI TEPI. In *Prosiding Seminar Nasional Teknik Elektro* (Vol. 4).
- Saputra, M. A. A., Mulyana, A., & Aulia, S. (2021). SISTEM KONTROL LAMPU LALU LINTAS BERDASARKAN KEPADATAN KENDARAAN MENGGUNAKAN IMAGE PROCESSING. *Proceeding of Applied Science*, 7(6), 3321.
- Sarkar, A., Dutta, T., & Roy, B. K. (2014). Counting of Cigarettes in Cigarette Packets Using Lab VIEW. *International Conference on Communication and Signal Processing*.
- Silaban, T. M., & Hazzah Nur, S. R. (2023). IMPLEMENTASI PROGRAM AREA TRAFFIC CONTROL SYSTEM (ATCS) DALAM KETERTIBAN BERLALU LINTAS DI KOTA MEDAN. In *Journal of Science and Social Research* (Issue 1). <http://jurnal.goretanpena.com/index.php/JSSR>
- Solihun, Ruslianto, I., & Ristian, U. (2021). IMPLEMENTASI PERHITUNGAN KENDARAAN MOBIL DI JALAN RAYA MENGGUNAKAN METODE BACKGROUND SUBTRACTION DAN TEKNIK MORFOLOGI CITRA. In *Coding : Jurnal Komputer dan Aplikasi* (Vol. 09, Issue 03).
- Srinivas B., Tata Reddy, S., Guru Swaroop, S., & Indumathi, P. (2019). *Density based Traffic Control System using Ni LabVIEW*. <https://www.researchgate.net/publication/334108622>
- Sulistiyanti, S. R., Setyawan, F. A., & Komarudin, M. (2016). *PENGOLAHAN CITRA : DASAR DAN CONTOH PENERAPANNYA* (Warsito, Ed.; Pertama). TEKNOSAIN.
- Taufiq, R. M., Sunanto, & Rizki, Y. (2020). INTEGRATED SMART TRAFFIC CONTROL SYSTEM MENUJU PEKANBARU SEBAGAI SMART CITY. *JURTEKSI (Jurnal Teknologi Dan Sistem Informasi)*, 7(1), 67–74. <https://doi.org/10.33330/jurteksiv7i1.942>
- Travis, J., & Kring, J. (2007). *LabVIEW for Everyone*. Prentice Hall.
- Veda, P. A. (2021). *PROTOTIPE PADA LAMPU LALU LINTAS BERBASIS SMS GATEWAY*. Universitas Islam Riau.
- Waliulu, R. F. (2018). Deteksi dan Penggolongan Kendaraan dengan Kalman Filter dan Model Gaussian di Jalan Tol. *JURNAL SISTEM INFORMASI BISNIS*, 8(1), 1. <https://doi.org/10.21456/vol8iss1pp1-8>
- Wijayono, A., Irwan, & Putra, V. G. V. (2018). *PENERAPAN TEKNOLOGI PENGOLAH CITRA DIGITAL DAN KOMPUTASI PADA PENGUKURAN DAN PENGUJIAN BERBAGAI PARAMETER KAIN NON WOVEN*.

Yusuf, M., Iqbal Arsyad, M., & Kalimantan, W. (2024). Evaluation of Public Street Lighting In Bengkayang Regency. *Journal of Electrical Engineering, Energy, and Information Technology (J3EIT)*, 12(3), 515–530. <https://doi.org/10.26418/j3eit.v12i3.86825>

Zikra, U. (2022). *PERANCANGAN PROTOTYPE TRAFFIC LIGHT MENGGUNAKAN ARDUINO MIKROKONTROLLER BERBASIS ANTRIAN PADA SEBUAH ROUTE PERSIMPANGAN*. Universitas Islam Negeri (UIN) Ar-Raniry Banda Aceh.