

DAFTAR PUSTAKA

- [1] A. G. H. Triasto and M. Rivai, "Sistem Keamanan Peralatan Berbasis Kamera Termal," *Jurnal Teknik ITS*, vol. 8, no. 2, 2020, doi: 10.12962/j23373539.v8i2.43033.
- [2] D. Setiawan, J. E. Candra, and C. E. Suharyanto, "Perancangan Sistem Pengontrol Keamanan Rumah dengan Smart CCTV Menggunakan Arduino Berbasis Telegram," *InfoTekJar (Jurnal Nasional Informatika dan Teknologi Jaringan)*, vol. 4, no. 1, 2019, doi: 10.30743/infotekjar.v4i1.1598.
- [3] R. Samsinar, G. Gatot Aditya, D. Almanda, F. Amrulloh, and A. Ilmar Ramdhan, "Sistem Pendeteksi Kurir Menggunakan Smart Closed Circuit Television (CCTV) Berbasis Internet Of Things (IoT) dengan Media Komunikasi Bot Telegram (Studi Kasus : Rumah Indekost)," vol. 6, no. 1.
- [4] Y. Fadli, J. Jufrizel, and W. P. Hastuti, "Analisa Perancangan Alat Keamanan Pintu Rumah Menggunakan Android Berbasis Arduino," *El Sains : Jurnal Elektro*, vol. 2, no. 2, 2021, doi: 10.30996/elsains.v2i2.4769.
- [5] "citations-20240706T044520".
- [6] J. Hunter, B. Ward, A. Tseloni, and K. Pease, "Where should police forces target their residential burglary reduction efforts? Using official victimisation data to predict burglary incidences at the neighbourhood level," *Crime Sci*, vol. 10, no. 1, Dec. 2021, doi: 10.1186/s40163-021-00144-x.
- [7] N. Hilman Tsani, I. M. Burhanuddin Dirgantoro T, and A. S. Luhur Prasasti T, "Impelementasi Deteksi Kecepatan Kendaraan Menggunakan Kamera Webcam dengan Metode Frame Difference The Implementation of Vehicle Speed Detection using Webcam with Frame Difference Method."
- [8] R. R. Winarni, "Efektivitas Penerapan Undang-Undang ITE dalam Tindak Pidana Cyber Crime," *Jurnal Ilmiah Hukum dan Dinamika Masyarakat*, vol. 14, no. 0854, 2016.

- [9] A. P. Anisah and Eko Nurisman, "Cyberstalking: Kejahatan Terhadap Perlindungan Data Pribadi Sebagai Pemicu Tindak Pidana," *KRTHA BHAYANGKARA*, vol. 16, no. 1, 2022, doi: 10.31599/krtha.v16i1.1047.
- [10] C. Vania, M. Markoni, H. Saragih, and J. Widarto, "Tinjauan Yuridis terhadap Perlindungan Data Pribadi dari Aspek Pengamanan Data dan Keamanan Siber," *Jurnal Multidisiplin Indonesia*, vol. 2, no. 3, 2023, doi: 10.58344/jmi.v2i3.157.
- [11] A. Nur Luthiya, B. Irawan, and R. Yulia, "Kebijakan Hukum Pidana Terhadap Pengaturan Pencurian Data Pribadi Sebagai Penyalahgunaan Teknologi Komunikasi Dan Informasi," *Jurnal Hukum Pidana dan Kriminologi*, vol. 2, no. 2, 2021, doi: 10.51370/jhpk.v2i2.43.
- [12] M. V. Madhavan, D. N. H. Thanh, A. Khamparia, S. Pande, R. Malik, and D. Gupta, "Recognition and classification of pomegranate leaves diseases by image processing and machine learning techniques," *Computers, Materials and Continua*, vol. 66, no. 3, 2021, doi: 10.32604/cmc.2021.012466.
- [13] D. A. P. Hapsari, W. K. Nofa, and S. Santoso, "Analisis Performa Deteksi Objek Bergerak pada Algoritma Background Subtraction dan Algoritma Frame Difference," *ICIT Journal*, vol. 8, no. 1, 2022, doi: 10.33050/icit.v8i1.2177.
- [14] J. PARDEDE and H. HARDIANSAH, "Deteksi Objek Kereta Api menggunakan Metode Faster R-CNN dengan Arsitektur VGG 16," *MIND Journal*, vol. 7, no. 1, 2022, doi: 10.26760/mindjournal.v7i1.21-36.
- [15] "Pembuatan Aplikasi Deteksi Objek Menggunakan TensorFlow Object Detection API dengan Memanfaatkan SSD MobileNet V2 Sebagai Model Pra - Terlatih," *Jurnal Ilmiah Komputasi*, vol. 19, no. 3, 2020, doi: 10.32409/jikstik.19.3.68.
- [16] J. Xie, X. Zhang, Z. Liu, F. Liao, W. Wang, and J. Li, "Detection of Litchi Leaf Diseases and Insect Pests Based on Improved FCOS," *Agronomy*, vol. 13, no. 5, 2023, doi: 10.3390/agronomy13051314.

- [17] S. H. Lee and G. Gao, "A Study on Pine Larva Detection System Using Swin Transformer and Cascade R-CNN Hybrid Model," *Applied Sciences (Switzerland)*, vol. 13, no. 3, 2023, doi: 10.3390/app13031330.
- [18] M. Talib, A. H. Y. Al-Noori, and J. Suad, "YOLOv8-CAB: Improved YOLOv8 for Real-time Object Detection," *Karbala International Journal of Modern Science*, vol. 10, no. 1, 2024, doi: 10.33640/2405-609X.3339.
- [19] R. R. Saragih, "Pemrograman dan bahasa Pemrograman," *STMIK-STIE Mikroskil*, no. December, 2016.
- [20] M. Ahmed, K. A. Hashmi, A. Pagani, M. Liwicki, D. Stricker, and M. Z. Afzal, "Survey and performance analysis of deep learning based object detection in challenging environments," Aug. 01, 2021, *MDPI AG*. doi: 10.3390/s21155116.
- [21] Rahayu Saputri, "Sistem Notifikasi Pembayaran Menggunakan Framework Cakephp Pada Sistem Informasi Layanan Sekolah," *Journal of Computers and Digital Business*, vol. 1, no. 1, 2022, doi: 10.56427/jcbd.v1i1.2.
- [22] R. I. Tiyyar and D. H. Fudholi, "Kajian Pengaruh Dataset dan Bias Dataset terhadap Performa Akurasi Deteksi Objek," *PETIR*, vol. 14, no. 2, 2021, doi: 10.33322/petir.v14i2.1350.
- [23] N. Anggraini, F. Martunus, I. Marzuki Shofi, and L. K. Wardhani, "IMPLEMENTASI FACE RECOGNITION DENGAN OPENCV PADA 'SMART CCTV' UNTUK KEAMANAN BRANKAS BERBASIS IOT," *Jurnal Ilmiah FIFO*, vol. 13, no. 1, 2021, doi: 10.22441/fifo.2021.v13i1.005.
- [24] J. Aplikasi Sains *et al.*, "Performansi Deteksi Jumlah Manusia Menggunakan YOLOv8." [Online]. Available: <https://universe.roboflow.com/csgo-head-detection/head-datasets>
- [25] B. Tjandra, M. S. N. Negara, and N. S. H. Christopher, "DETEKSI SAMPAH DI PERMUKAAN DAN DALAM PERAIRAN PADA OBJEK VIDEO DENGAN METODE ROBUST AND EFFICIENT POST-PROCESSING DAN TUBELET-LEVEL BOUNDING BOX LINKING," 2023.

- [26] N. J. Hayati, D. Singasatia, and M. R. Muttaqin, "Object Tracking Menggunakan Algoritma You Only Look Once (YOLO)v8 untuk Menghitung Kendaraan," *Komputa : Jurnal Ilmiah Komputer dan Informatika*, vol. 12, no. 2, 2023, doi: 10.34010/komputa.v12i2.10654.
- [27] M. Fennell, C. Beirne, and A. C. Burton, "Use of object detection in camera trap image identification: Assessing a method to rapidly and accurately classify human and animal detections for research and application in recreation ecology," *Glob Ecol Conserv*, vol. 35, 2022, doi: 10.1016/j.gecco.2022.e02104.
- [28] W. Nengsih, "CNN Modelling Untuk Deteksi Wajah Berbasis Gender Menggunakan Python," *Jurnal Komputer Terapan*, vol. 6, no. 2, 2020, doi: 10.35143/jkt.v6i2.3679.
- [29] Z. Wang, Y. Wu, L. Yang, A. Thirunavukarasu, C. Evison, and Y. Zhao, "Fast personal protective equipment detection for real construction sites using deep learning approaches," *Sensors*, vol. 21, no. 10, 2021, doi: 10.3390/s21103478.
- [30] V. Isailovic, A. Peulic, M. Djapan, M. Savkovic, and A. M. Vukicevic, "The compliance of head-mounted industrial PPE by using deep learning object detectors," *Sci Rep*, vol. 12, no. 1, 2022, doi: 10.1038/s41598-022-20282-9.
- [31] R. Hesandana, D. Natasya, and N. Wiliani, "CLOTH BAG OBJECT DETECTION USING THE YOLO ALGORITHM (YOU ONLY SEE ONCE) V5," *Jurnal Pilar Nusa Mandiri*, vol. 18, no. 2, 2023, doi: 10.33480/pilar.v18i2.3019.
- [32] O. Computer, "Remote Desktop Protocol," *Options*, 2008.
- [33] J. Arellano-Uson, E. Magaña, D. Morató, and M. Izal, "Protocol-agnostic method for monitoring interactivity time in remote desktop services," *Multimed Tools Appl*, vol. 80, no. 13, 2021, doi: 10.1007/s11042-021-10708-3.
- [34] R. B. Rajeshwari and K. Mahaveera, "Prototype for Parking Shield System Using Raspberry Pi," in *Lecture Notes in Electrical Engineering*, 2024. doi: 10.1007/978-981-99-4444-6_1.

- [35] R. Bitton and A. Shabtai, "A Machine Learning-Based Intrusion Detection System for Securing Remote Desktop Connections to Electronic Flight Bag Servers," *IEEE Trans Dependable Secure Comput*, vol. 18, no. 3, 2021, doi: 10.1109/TDSC.2019.2914035.
- [36] F. R. Doni, A. M. Lukman, and B. Sudrajat, "Implementasi Akses Komputer Jarak Jauh Dengan Menggunakan AnyDesk," *EVOLUSI: Jurnal Sains dan Manajemen*, vol. 10, no. 2, 2022, doi: 10.31294/evolusi.v10i2.13227.
- [37] N. Nurmayanti and H. Ferdiansyah, "Pemanfaatan Aplikasi Remote Desktop Teamviewer pada Praktikum Jarak Jauh di Sekolah Menengah Kejuruan Negeri 5 Sidrap," *Jurnal Basicedu*, vol. 5, no. 5, 2021, doi: 10.31004/basicedu.v5i5.1514.
- [38] L. Zou, Z. Xie, W. Zhang, Y. Xie, and L. Xing, "EP-1926: Hybrid of cloud computing and workstations for radiotherapy planning," *Radiotherapy and Oncology*, vol. 119, 2016, doi: 10.1016/s0167-8140(16)33177-2.
- [39] N. D. Jayanto and J. Kustija, "Remote desktop system in IoT and HTML 5-based virtual laboratory for HMI (Human Machine Interface) practicum and hydraulic simulation," in *IOP Conference Series: Materials Science and Engineering*, 2020. doi: 10.1088/1757-899X/830/4/042052.
- [40] D. Kho, "Pengertian Mikrokontroler (Microcontroller) dan Strukturnya," *Teknik Elektronika*.
- [41] M. S. Son, "PENGEMBANGAN MIKROKONTROLER SEBAGAI REMOTE CONTROL BERBASIS ANDROID," *JURNAL TEKNIK INFORMATIKA*, vol. 11, no. 1, 2018, doi: 10.15408/jti.v11i1.6293.
- [42] Raspberry Pi Foundation, "Raspberry Pi 3 Model B+ Datasheet," *Datasheet*, 2016.
- [43] "Arduino Introduces The UNO R4," *New Electronics*, vol. 56, no. 04, 2023, doi: 10.12968/s0047-9624(23)60733-3.
- [44] E. Systems, "ESP32 Series Datasheet," *Espressif Systems*, 2023.
- [45] G. Brown, "Discovering the STM32 Microcontroller," *Cortex*, vol. 85, 2012.

- [46] R. F. Waliulu, A. Hendriawan, A. Pramono, and S. Supardi, "PROTOTYPE DETEKSI OBJEK MENGGUNAKAN RASPBERRY PI MELALUI MODUL SENSOR ULTRASONIK HC-SR04," *JPB : Jurnal Patria Bahari*, vol. 1, no. 2, 2021, doi: 10.54017/jpb.v1i2.22.
- [47] A. D. Limantara *et al.*, "Modeling of Automatic Door at Railroad Crossing Without Guard Based on Internet of Things in Indonesia," *International Journal of Integrated Engineering*, vol. 12, no. 9, 2020, doi: 10.30880/ijie.2020.12.09.017.
- [48] Admin Components101, "MG90S Metal Gear Micro Servo Motor," components101.
- [49] M. F. NURYASIN, C. MACHBUB, and L. YULIANTI, "Kombinasi Deteksi Objek, Pengenalan Wajah dan Perilaku Anomali menggunakan State Machine untuk Kamera Pengawas," *ELKOMIKA: Jurnal Teknik Energi Elektrik, Teknik Telekomunikasi, & Teknik Elektronika*, vol. 11, no. 1, 2023, doi: 10.26760/elkomika.v11i1.86.
- [50] M. Monita and H. Hendri, "Sistem Kontrol Rumah Pintar Menggunakan Kamera Berbasis IoT," *JTEIN: Jurnal Teknik Elektro Indonesia*, vol. 2, no. 1, 2021, doi: 10.24036/jtein.v2i1.141.
- [51] S. Sriram and B. Illuri, "Real Time Smile Detection using Haar Classifiers on SoC," *Int J Comput Appl*, vol. 104, no. 10, 2014, doi: 10.5120/18240-9297.
- [52] S. Sintaro and E. Alfonsius, "SISTEM CERDAS SEBAGAI KEAMANAN KANDANG TERNAK SAPI MENGGUNAKAN CAMERA ESP-CAM DAN SELENOID," *Jurnal Teknologi dan Sistem Tertanam*, vol. 4, no. 1, 2023, doi: 10.33365/jtst.v4i1.2641.
- [53] J. Redmon, S. Divvala, R. Girshick, and A. Farhadi, "You only look once: Unified, real-time object detection," in *Proceedings of the IEEE Computer Society Conference on Computer Vision and Pattern Recognition*, 2016. doi: 10.1109/CVPR.2016.91.

- [54] S. Ilahiyah and A. Nilogiri, "Implementasi Deep Learning Pada Identifikasi Jenis Tumbuhan Berdasarkan Citra Daun Menggunakan Convolutional Neural Network".
- [55] T. F. Dima and M. E. Ahmed, "Using YOLOv5 Algorithm to Detect and Recognize American Sign Language," in *2021 International Conference on Information Technology, ICIT 2021 - Proceedings*, 2021. doi: 10.1109/ICIT52682.2021.9491672.
- [56] Kisaezehra, M. U. Farooq, M. A. Bhutto, and A. K. Kazi, "Real-Time Safety Helmet Detection Using Yolov5 at Construction Sites," *Intelligent Automation and Soft Computing*, vol. 36, no. 1, 2023, doi: 10.32604/iasc.2023.031359.
- [57] F. Khan, N. Zafar, M. N. Tahir, M. Aqib, H. Waheed, and Z. Haroon, "A mobile-based system for maize plant leaf disease detection and classification using deep learning," *Front Plant Sci*, vol. 14, 2023, doi: 10.3389/fpls.2023.1079366.
- [58] K. A. Shianto, K. Gunadi, and E. Setyati, "Deteksi Jenis Mobil Menggunakan Metode YOLO dan Faster R-CNN," *Jurnal Infra*, vol. 7, no. 1, 2019.
- [59] I. C. Pradana, E. Mulyanto, and R. F. Rachmadi, "Deteksi Senjata Genggam Menggunakan Faster R-CNN Inception V2," *Jurnal Teknik ITS*, vol. 11, no. 2, 2022, doi: 10.12962/j23373539.v11i2.86587.
- [60] R. Gelar Guntara, "Pemanfaatan Google Colab Untuk Aplikasi Pendeteksian Masker Wajah Menggunakan Algoritma Deep Learning YOLOv7," *Jurnal Teknologi Dan Sistem Informasi Bisnis*, vol. 5, no. 1, 2023, doi: 10.47233/jteksis.v5i1.750.
- [61] H. Tanujaya and Lina, "PENGENALAN OBJEK MENGGUNAKAN METODE SINGLE SHOT MULTIBOX DETECTOR PADA BAHAN SEMBAKO," *Jurnal Ilmu Komputer dan Sistem Informasi*, vol. 11, no. 1, 2023, doi: 10.24912/jiksi.v11i1.24067.
- [62] S. Fuady, N. Nehru, and G. Anggraeni, "Deteksi Objek Menggunakan Metode Single Shot Multibox Detector Pada Alat Bantu Tongkat Tunanetra Berbasis

- Kamera,” *Journal of Electrical Power Control and Automation (JEPCA)*, vol. 3, no. 2, 2020, doi: 10.33087/jepca.v3i2.38.
- [63] Y. Lim *et al.*, “Object Detection in Autonomous Vehicles: A Performance Analysis,” in *Lecture Notes in Networks and Systems*, 2024. doi: 10.1007/978-981-99-8498-5_21.
- [64] S. de Oliveira, O. Topsakal, and O. Toker, “Benchmarking Automated Machine Learning (AutoML) Frameworks for Object Detection,” *Information (Switzerland)*, vol. 15, no. 1, 2024, doi: 10.3390/info15010063.
- [65] C. X. Ge, M. A. As’ari, and N. A. J. Sufri, “Multiple face mask wearer detection based on YOLOv3 approach,” *IAES International Journal of Artificial Intelligence*, vol. 12, no. 1, 2023, doi: 10.11591/ijai.v12.i1.pp384-393.
- [66] M. A. Bakri, M. Farhan, A. Sujatmiko, and A. Firasanti, “Pemantauan Suhu dan Deteksi Gerak Obyek Berbasis IoT pada Ruang Server Menggunakan Thinger.IO,” *TELKA - Telekomunikasi Elektronika Komputasi dan Kontrol*, vol. 8, no. 1, 2022, doi: 10.15575/telka.v8n1.74-81.
- [67] A. M. Saad, B. O. Jul, A. Basalamah, and S. Sayuti, “IoT-Based Smart Dustbin Prototype,” *PROtek : Jurnal Ilmiah Teknik Elektro*, vol. 10, no. 2, 2023, doi: 10.33387/protk.v10i2.6035.
- [68] R. Dwi Putra and R. Mukhaiyar, “Perancangan Sistem Pemantau Keamanan Rumah Dengan Sensor Pir dan Kamera Berbasis Mikrokontroler dan Internet Of Things (Iot),” *Ranah Research : Journal of Multidisciplinary Research and Development*, vol. 4, no. 3, 2022, doi: 10.38035/rrj.v4i3.469.
- [69] I. N. S. A. Utama, S. Hadi, and I. P. Hariyadi, “Plume Detection System Based Internet of Things,” *International Journal of Engineering and Computer Science Applications (IJECSA)*, vol. 1, no. 1, 2022, doi: 10.30812/ijecsa.v1i1.1698.
- [70] A. Sopian, I. Kurniati, and E. N. Dewi, “FACE MASK DETECTION MENGGUNAKAN PYTHON DAN OPENCV UNTUK MENDETEKSI PELANGGARAN PROTOKOL KESEHATAN COVID-19,” *JEIS: Jurnal*

- Elektro dan Informatika Swadharma*, vol. 3, no. 1, 2023, doi: 10.56486/jeis.vol3no1.304.
- [71] C. R. Gunawan, N. Nurdin, and F. Fajriana, "Design of A Real-Time Object Detection Prototype System with YOLOv3 (You Only Look Once)," *International Journal of Engineering, Science and Information Technology*, vol. 2, no. 3, 2022, doi: 10.52088/ijesty.v2i3.309.
- [72] "REAL TIME OBJECT DETECTION USING PYTHON: A REVIEW," *International Research Journal of Modernization in Engineering Technology and Science*, 2023, doi: 10.56726/irjmets46654.
- [73] "Object detection using openCV with Python," *International Research Journal of Modernization in Engineering Technology and Science*, 2023, doi: 10.56726/irjmets41586.
- [74] B. Gupta, A. Chaube, A. Negi, and U. Goel, "Study on Object Detection using Open CV - Python," *Int J Comput Appl*, vol. 162, no. 8, 2017, doi: 10.5120/ijca2017913391.
- [75] A. B. Pulungan, Z. Nafis, M. Anwar, Hastuti, Hamdani, and D. E. Myori, "OBJECT DETECTION WITH A WEBCAM USING THE PYTHON PROGRAMMING LANGUAGE," *Journal of Applied Engineering and Technological Science*, vol. 2, no. 2, 2021, doi: 10.37385/jaets.v2i2.247.
- [76] A. I. Ikhsan, "Rancang Bangun Alat Deteksi Alkohol Dengan Menggunakan," *Jurnal Inovasi Fisika Indonesia*, vol. 11, no. 3, 2022.
- [77] D. A. Prasetya and I. Nurviyanto, "Deteksi wajah metode viola jones pada opencv menggunakan pemrograman python," *Simposium Nasional RAPI XI FT UMS*, 2012.
- [78] Vaibhaw Singh Chandel, "Selective Search for Object Detection (C++/Python)," *LearnOpenCV.com*, 2017.
- [79] A. Gat, H. Gaikwad, R. Giri, Dr. M. P. Sardey, and M. P. Gajare, "Animal Detector System for Forest Monitoring Using OpenCV and Raspberry-pi," *Int J*

- Res Appl Sci Eng Technol*, vol. 10, no. 10, 2022, doi: 10.22214/ijraset.2022.47012.
- [80] I. F. Hotmartua Bagariang and H. Hendrick, "Alat Pengukur Ketinggian Air Pada Landasan Pacu Pesawat Dengan Metode Image Processing," *Elektron : Jurnal Ilmiah*, 2022, doi: 10.30630/eji.13.2.255.
- [81] M. Ayala-Chauvin, P. Lara-Álvarez, and R. Castro, "Data Analysis for Performance Improvement of University Students Using IoT," in *Communications in Computer and Information Science*, 2024. doi: 10.1007/978-3-031-48930-3_35.
- [82] P. Parlewar and S. Kumar, "Denoised video with Specially Programmable Intelligent Bot," *International Journal of Next-Generation Computing*, 2021, doi: 10.47164/ijngc.v12i5.434.
- [83] Q. Wang, B. Sun, H. Zhou, Z. Wang, F. Yu, and J. He, "An integrated remote data collection system for macromolecular crystallography beamline at SSRF," *Nucl Instrum Methods Phys Res A*, vol. 914, 2019, doi: 10.1016/j.nima.2018.10.167.
- [84] M. Vizváry and J. Vykopal, "Flow-based detection of RDP brute-force attacks," *Proceedings of 7th International Conference on Security and Protection of Information (SPI'13)*, 2013.
- [85] Microsoft, "Remote Desktop clients | Microsoft Docs," 22/10/2020.
- [86] N. Surantha and W. R. Wicaksono, "An IoT based house intruder detection and alert system using histogram of oriented gradients," *Journal of Computer Science*, vol. 15, no. 8, 2019, doi: 10.3844/jcssp.2019.1108.1122.
- [87] R. R. Yadav, P. V. Gupta, D. A. Gupta, and U. Mohite, "Alive Human Detection Robot for Rescue Operation," *International Journal on Recent and Innovation Trends in Computing and Communication*, vol. 8, no. 6, 2020, doi: 10.17762/ijritcc.v8i6.5398.
- [88] N. E. Budiayanta, C. O. Sereati, and F. R. G. Manalu, "Processing time increasement of non-rice object detection based on YOLOv3-tiny using

- Movidius NCS 2 on Raspberry Pi,” *Bulletin of Electrical Engineering and Informatics*, vol. 11, no. 2, 2022, doi: 10.11591/eei.v11i2.3483.
- [89] T. V. Sai, B. Aditya, A. M. Reddy, and Dr. Y. Srinivasulu, “Real Time Object Detection Using Raspberry Pi,” *Int J Res Appl Sci Eng Technol*, vol. 11, no. 1, 2023, doi: 10.22214/ijraset.2023.48549.
- [90] M. Noman, M. H. Yousaf, and S. A. Velastin, “An Optimized and Fast Scheme for Real-Time Human Detection Using Raspberry Pi,” in *2016 International Conference on Digital Image Computing: Techniques and Applications, DICTA 2016*, 2016. doi: 10.1109/DICTA.2016.7797008.
- [91] S. V. Deshmukh and P. Dr. K. U. A., “Implementation of Human Face Detection System for Door Security using Raspberry Pi,” *IJIREEICE*, vol. 5, no. 4, 2017, doi: 10.17148/ijireeice.2017.5434.
- [92] A. Mulyanto, R. I. Borman, P. Prasetyawan, W. Jatmiko, and P. Mursanto, “Real-Time Human Detection and Tracking Using Two Sequential Frames for Advanced Driver Assistance System,” in *ICICOS 2019 - 3rd International Conference on Informatics and Computational Sciences: Accelerating Informatics and Computational Research for Smarter Society in The Era of Industry 4.0, Proceedings*, 2019. doi: 10.1109/ICICoS48119.2019.8982396.
- [93] D. Safadinho, J. Ramos, R. Ribeiro, V. Filipe, J. Barroso, and A. Pereira, “UAV landing using computer vision techniques for human detection,” *Sensors (Switzerland)*, vol. 20, no. 3, 2020, doi: 10.3390/s20030613.
- [94] G. N. R. P. Atmaja, K. Usman, and M. A. Murti, “THE CALCULATION SYSTEM OF NUMBER OF PEOPLE IN A ROOM BASED ON HUMAN DETECTION USING HAAR-CASCADE CLASSIFIER,” *Jurnal Teknik Informatika (Jutif)*, vol. 2, no. 2, 2021, doi: 10.20884/1.jutif.2021.2.2.83.
- [95] H. As Syahidulhaq and S. Aulia, “SISTEM KEAMANAN BERBASIS ALARM IP CAMERA DENGAN PASSIVE INFRARED RECEIVER (PIR) SENSOR DAN SMS GATEWAY IP-BASED SECURITY ALARM SYSTEM WITH

CAMERA PASSIVE INFRARED RECEIVER (PIR) SENSOR AND SMS GATEWAY.”

- [96] S. Wulandari and B. Satria, “Rancang Bangun Alat Pendeteksi Warna Menggunakan Arduino Uno Berbasis IoT (Internet Of Things),” *Paradigma - Jurnal Komputer dan Informatika*, vol. 23, no. 1, 2021, doi: 10.31294/p.v23i1.9861.
- [97] T. S. Kalengkongan, D. J. Mamahit, and S. R. U. A. Sompie, “Rancang Bangun Alat Deteksi Kebisingan Berbasis Arduino Uno,” *Jurnal Teknik Elektro dan Komputer*, vol. 7, no. 2, 2018.
- [98] S. P. Sari, O. Candra, and J. Asmi, “Alat Pendeteksi Kebakaran Menggunakan SMS,” *JTEIN: Jurnal Teknik Elektro Indonesia*, vol. 1, no. 2, 2020, doi: 10.24036/jtein.v1i2.69.
- [99] I. Journal, “Hand Gesture Recognition and Motion Detection System for Interactive Applications,” *INTERANTIONAL JOURNAL OF SCIENTIFIC RESEARCH IN ENGINEERING AND MANAGEMENT*, vol. 07, no. 10, 2023, doi: 10.55041/ijrsrem26131.
- [100] N. Hidayah, M. Mujur Rose, and N. Nasron, “Rancang Bangun Alat Pendeteksi Tingkat Stress Pada Manusia Berbasis Arduino Uno,” *PROtek : Jurnal Ilmiah Teknik Elektro*, vol. 8, no. 1, 2021, doi: 10.33387/protk.v8i1.2240.
- [101] Y. Dapi, I. Ruslianto, and S. Suhardi, “Monitoring dan Kontrol Pemberian Pakan Air Tawar Menggunakan Internet Messaging Secara Real time,” *Jurnal Sistem Komputer dan Informatika (JSON)*, vol. 4, no. 1, 2022, doi: 10.30865/json.v4i1.4821.
- [102] Andreas, C. R. Aldawira, H. W. Putra, N. Hanafiah, S. Surjarwo, and A. Wibisurya, “Door security system for home monitoring based on ESP32,” in *Procedia Computer Science*, 2019. doi: 10.1016/j.procs.2019.08.218.
- [103] H. Najeh, C. Lohr, and B. Leduc, “Real-Time Human Activity Recognition on Embedded Equipment: A Comparative Study,” *Applied Sciences (Switzerland)*, vol. 14, no. 6, 2024, doi: 10.3390/app14062377.

- [104] P. Luo, H. Wang, C. Xiang, and C. Huang, "A WSN system for high-precision cable manhole cover movement detection uses TDOA ranging method," in *Journal of Physics: Conference Series*, 2021. doi: 10.1088/1742-6596/1971/1/012024.
- [105] Manas Dabhane, Vaishnavi Chamatkar, Vedant Dhattrak, and Dr. Bireshwar Ganguly, "Smart Face Attendance System," *International Journal of Advanced Research in Science, Communication and Technology*, 2023, doi: 10.48175/ijarsct-14006.
- [106] I. Mudzaki, R. Alfita, and M. Ulum, "Rancang Bangun Smart Urinoir Untuk Mendeteksi Status Dehidrasi Berbasis Image Processing Dengan Metode Jaringan Syaraf Tiruan Perceptron," *JEECOM: Journal of Electrical Engineering and Computer*, vol. 2, no. 1, 2020, doi: 10.33650/jeeecom.v2i1.1093.
- [107] Z. Iklima, "Rancang Bangun Prototipe Sistem Kontrol Terdistribusi untuk Pemantauan dan Pengendali Ketinggian Permukaan Air pada 5 Pintu Air Berbasis IoT (Internet of Things) menggunakan Socket.IO," *Jurnal Teknologi Elektro*, vol. 11, no. 3, 2020, doi: 10.22441/jte.2020.v11i3.008.
- [108] C. de Melo Molinari Ortiz Antunes, F. L. F. Soares, and N. Nagata, "Low-cost device for the acquisition of digital images: Application in wine analysis," *Microchemical Journal*, vol. 191, 2023, doi: 10.1016/j.microc.2023.108858.
- [109] A. Setiawan and A. I. Purnamasari, "Pengembangan Smart Home Dengan Microcontrollers ESP32 Dan MC-38 Meningkatkan Deteksi Dini Keamanan Perumahan," *Jurnal RESTI (Rekayasa Sistem dan Teknologi Informasi)*, vol. 3, no. 3, 2019.
- [110] B. Yanto, B. Basorudin, S. Anwar, A. Lubis, and K. Karmi, "Smart Home Monitoring Pintu Rumah Dengan Identifikasi Wajah Menerapkan Camera ESP32 Berbasis IoT," *Jurnal Sisfokom (Sistem Informasi dan Komputer)*, vol. 11, no. 1, 2022, doi: 10.32736/sisfokom.v11i1.1180.

- [111] A. Sudaryanto, D. Sasongko, A. Kridoyono, R. P. N. Budiarti, S. T. Mahadewi, and F. A. Arvianto, "ESPCam Control Using Telegram on ESP32 Microcontroller-Based Security Camera Systems," *Applied Technology and Computing Science Journal*, vol. 5, no. 2, 2022, doi: 10.33086/atcsj.v5i2.3760.
- [112] C. Baretina, S. Saripudin, R. Listiana, and E. Damayanti, "Rancang Bangun Sistem Smart Door Lock Menggunakan Deteksi Wajah," *JOURNAL INFORMATICS AND ELECTRONICS ENGINEERING*, vol. 01, no. 02, 2021.
- [113] V. Sineglazov and V. Khotsyanovsky, "Camera Image Processing on ESP32 Microcontroller with Help of Convolutional Neural Network," *Electronics and Control Systems*, vol. 2, no. 72, 2022, doi: 10.18372/1990-5548.72.16939.
- [114] S. Vinod, P. Shakor, F. Sartipi, and M. Karakouzian, "Object Detection Using ESP32 Cameras for Quality Control of Steel Components in Manufacturing Structures," *Arab J Sci Eng*, vol. 48, no. 10, 2023, doi: 10.1007/s13369-022-07562-2.
- [115] P. D. P. Adi and Y. Wahyu, "Performance evaluation of ESP32 Camera Face Recognition for various projects," *Internet of Things and Artificial Intelligence Journal*, vol. 2, no. 1, 2022, doi: 10.31763/iota.v2i1.512.
- [116] Components101, "Servo Motor SG-90," 2017.
- [117] A. I. Salim, Y. Saragih, and R. Hidayat, "Implementasi Motor Servo SG 90 Sebagai Penggerak Mekanik Pada E. I. Helper (ELECTRONICS INTEGRATION HELMET WIPER)," *Electro Luceat*, vol. 6, no. 2, 2020, doi: 10.32531/jelekn.v6i2.256.
- [118] A. T. Priyatna and A. Basry, "Prototype Sistem Pengendalian Pintu Air Otomatis Dengan Menggunakan Arduino Uno," *Tekinfor: Jurnal Bidang Teknik Industri dan Teknik Informatika*, vol. 22, no. 2, 2021, doi: 10.37817/tekinfor.v22i2.1739.
- [119] J. Supriyono, D. Wahjudi, and T. Watiningsih, "Prototype Robot Manipulator 4 DOF Berbasis Raspberry Pi Zero W," *Journal of Telecommunication, Electronics, and Control Engineering (JTECE)*, vol. 4, no. 1, 2022, doi: 10.20895/jtece.v4i1.528.

- [120] M. N. Khafit, N. Khamdi, J. Jaenudin, and Edilla, "Rancang Bangun Alat Sortir Buah Apel Berdasarkan Perbedaan Ukuran dan Warna Menggunakan Mikrokontroler Arduino," *JTEV (Jurnal Teknik Elektro dan Vokasional)*, vol. 9, no. 1, 2023.
- [121] V. R. Sari, S. Suhada, A. Wanto, D. Hartama, and I. Irawan, "PEMANFAATAN ARDUINO UNO DALAM TONG SAMPAH PINTAR DAN PENDETEKSI ASAP BERBASIS IR SENSOR," *Device*, vol. 12, no. 1, 2022, doi: 10.32699/device.v12i1.2569.
- [122] M. Vajgl, P. Hurtik, and T. Nejezchleba, "Dist-YOLO: Fast Object Detection with Distance Estimation," *Applied Sciences (Switzerland)*, vol. 12, no. 3, 2022, doi: 10.3390/app12031354.
- [123] F. D. Suprianto and R. William, "Perancangan Sistem Spion Kamera pada Mobil Xenia," *Jurnal Teknik Mesin*, vol. 17, no. 1, 2021, doi: 10.9744/jtm.17.1.23-28.