DAFTAR PUSTAKA

[1] Brotosusilo, A., & Handayani, D, “Dataset on waste management behaviors of urban citizens in large cities of Indonesia,” *Data in Brief*, 32, 106053, 2020. sipsn.menlhk.go.id,

[2] “Kementerian Lingkungan Hidup dan Kehutanan, ‘SIPSN - Sistem Informasi Pengelolaan Sampah Nasional.,’” sipsn.menlhk.go.id.

[3] H. A. Addahlawi, U. Mustaghfiroh, L. K. Ni'mah, A. Sundusiyah, A. F. Hidayatullah, "Implementasi Prinsip Good Environmental Governance Dalam Pengelolaan Sampah di Indonesia," *Jurnal Green Growth dan Manajemen Lingkungan,* Vol. 8 No. 2, p. 107, 2019.

[4] R. P. Mahyudin, "Kajian Permasalahan Pengelolaan Sampah dan Dampak Lingkungan di TPA (Tempat Pemrosesan Akhir)," *Jurnal Teknik Lingkungan,* no. Vol. 3, No. 1, p. 69, 2017.

[5] A. Kahfi, “Tinjauan Terhadap Pengelolaan Sampah”, *Jurisprudentie*, vol. 4, no. 1, p. 12-25, Jun. 2017.

[6] E. Damanhuri, T. Padmi, "Pengelolaan Sampah," in *DIKTAT KULIAH TL-3104 (Versi 2010),* Bandung, Program Studi Teknik Lingkungan FTSL ITB, 2010.

[7] D. G. Ambina, "Tinjauan Pemilahan Sampah Menurut Undang-Undang Nomor 18 Tahun 2008 Tentang Pengelolaan Sampah," *Bina Hukum Lingkungan,* Vol. 3, no. 2, p. 178, 2019.

[8] T. Artiningrum, "Potensi Emisi Metana (CH4) dari Timbulan Sampah Kota Bandung," *Geoplanart*, vol. 1, no. 1, p. 36-37, 2017.

[9] N. Fauziyah, Sukaris, A. R. Rahim, R. Jumadi, N. A. Fachrudin, W. Renedi, "Peningkatan Kepedulian Masyarakat Terhadap Lingkungan Khususnya Dalam Permasalahan Sampah," *DedikasiMU (Journal of Community Service),* Vol. 2, no. 4, p. 563, 2020.

[10] M. Ramadhanti, Nahdalina, "Optimalisasi Sistem Angkutan Sampah Menggunakan Vehicle Routing Problem dengan Batasan Kapasitas Angkut," *Jurnal Ilmiah Desain & Konstruksi,* Vol. 21, no. 2, p. 198, 2022.

[11] Pemerintah Republik Indonesia. (2012). “Pengelolaan Sampah Rumah Tangga dan Sampah Sejenis Sampah Rumah Tangga.” Peraturan Perundang-undangan Nomor 81 Tahun 2012, 15 Oktober 2012.

[12] Kementerian Lingkungan Hidup dan Kehutanan. (2022). “Pengelolaan Sampah Rumah Tangga dan Sampah Sejenis Sampah Rumah Tangga.” Peraturan Menteri Lingkungan Hidup dan Kehutanan Nomor P.22/MENLHK/SETJEN/KUM.1/2/2022, 2022.

[13] Kementerian Pekerjaan Umum dan Perumahan Rakyat. (2020). "Standar Teknis Tempat Penampungan Sampah Sementara." Peraturan Menteri Pekerjaan Umum dan Perumahan Rakyat Nomor 14/PRT/M/2020, 2020.

[14] A. Talele, A. Patil, and B. Barse, “Detection of real time objects using TensorFlow and OpenCV,” *Asian Journal For Convergence In Technology (AJCT) ISSN-2350-1146*, 2019.

[15] E. Erwin *et al.*, “*PENGANTAR & PENERAPAN INTERNET OF THINGS: Konsep dasar & Penerapan IoT di berbagai Sektor*.” PT. Sonpedia Publishing Indonesia, 2023.

[16] Y. Yudhanto and A. Azis, *Pengantar Teknologi Internet of Things (IoT)*. UNSPress, 2019.

[17] M. S. Daulay, *Mengenal Hardware-Software dan Pengelolaan Instalasi Komputer*. Penerbit Andi, 2020.

[18] 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 & Continua*, vol. 66, no. 3, pp. 2939–2955, 2021.

[19] D. Demirović, E. Skejić, and A. Šerifović–Trbalić, “Performance of some image processing algorithms in tensorflow,” in *2018 25th International Conference on Systems, Signals and Image Processing (IWSSIP)*, IEEE, 2018, pp. 1–4.

[20] F. D. Moris and D. Widjaja, “IOT based trash can monitoring system for smart garden cleanliness,” in *IOP Conference Series: Materials Science and Engineering*, IOP Publishing, 2021, p. 012053.

[21] R. Aziz, M. S. Z. Yaacob, and S. Sari, “Smart Sewer System Using ESP32 and Send Notifications Through Telegram Bot,” *Progress in Engineering Application and Technology*, vol. 4, no. 1, pp. 198–208, 2023.

[22] K. A. Shianto, K. Gunadi, dan E. Setyati, “Deteksi Jenis Mobil Menggunakan Metode YOLO Dan Faster R-CNN”, *Jurnal Infra*, Vol 7, No 1, 2019.

[23] S. Megawan, dan W. S. Lestari, “Deteksi Spoofing Wajah Menggunakan Faster R-CNN dengan Arsitektur Resnet50 pada Video”, *Jurnal Nasional Teknik Elektro dan Teknologi Informasi*, vol. 9, no. 3, pp. 262, Agustus 2020.

[24] F. Charli, H. Syaputra, M. Akbar, S. Sauda, dan F. Panjaitan, “Implementasi Metode Faster Region Convolutional Neural Network (Faster R-CNN) Untuk Pengenalan Jenis Burung Lovebird”, *Journal of Information Technology Ampera*, Vol. 1, No. 3, pp. 193, Desember 2020

[25] S. Fuady, Nehru, dan G. Anggraeni, “Deteksi Objek Menggunakan Metode Single Shot Multibox Detector Pada Alat Bantu Tongkat Tunanetra Berbasis Kamera”, *Journal of Electrical Power Control and Automation*, pp. 39, Desember 2020.

[26] H. Tanujaya, dan Lina, “Pengenalan Objek Menggunakan Metode Single Shot Multibox Detector pada Bahan Sembako”, *Jurnal Ilmu Komputer dan Sistem Informasi*, pp. 4.

[27] A. F. Radhitya, A. Jabar, M. K. Qodrat, dan H. Maulana, “Perbandingan Sistem Pendeteksian Kendaraan: Faster RCNN dengan YOLOV5 untuk Keselamatan Lalu Lintas”, *Jurnal AI dan SPK : Jurnal Artificial Inteligent dan Sistem Penunjang Keputusan*, Vol. 1, no. 1, pp.103, 1 Juni 2023.

[28] D. R. P. Patnaikuni, “A Comparative Study of Arduino, Raspberry Pi and ESP8266 as IoT Development Board”, *International Journal of Advanced Research in Computer Science*, Vol. 8, No. 5, pp. 2352, May-June 2017.

[29] N. Mehendale, "Interfacing Camera Module OV7670 with Arduino," *University of Mumbai - K. J. Somaiya College of Engineering (K.J.S.C.E.); Ninad's research Lab*, July 18, 2022

[30] F. B. Setiawan, H. W. Kusuma, S. Riyadi, dan L. H. Pratomo, "Penerapan PI Cam Menggunakan Program Berbasis Raspberry PI 4," *CYCLOTRON: Jurnal Teknik Elektro*, vol. 5, no. 02, pp. 51-56, Juli 2022

[31] P. A. A. Pane Basabilik, "Rancang Bangun Sistem Pemantau Kedatangan Tamu Berbasis Internet of Things (IoT)," *FMIPA, Universitas Tanjungpura*, Jul. 31, 2021.

[32] D. A. Rumansyah, S. Amini, S. Mulyati, dan Purwanto, “Rancangan Alat Pemilah Sampah Otomatis Menggunakan Sensor Ultrasonik HC-SR04, Microcontroller Nodemcu, dan Sensor Proximity”, *Jurnal SKANIKA: Sistem Komputer dan Teknik Informatika*, Vol. 5, no. 1, pp.125-135, Januari 2022.

[33] B. N. Azmi, A. Hermawan, dan D. Avianto, “Analisis Pengaruh Komposisi Data Training dan Data Testing pada Penggunaan PCA dan Algoritma Decision Tree untuk

Klasifikasi Penderita Penyakit Liver", *JTIM : Jurnal Teknologi Informasi dan Multimedia*, Vol. 4, No. 4, pp. 281-290, 2023.

[34] N. Joglekar, "Protobuf vs. JSON," *Medium*, Apr. 29, 2023. [Online]. Available: https://medium.com/@contact.nehajoglekar/protobuf-vs-json-bb292b670970. [Accessed: Jun. 9, 2024].

[35] A. Vinci, "What's Protobuf exactly? When to use it," *Medium*, Feb. 4, 2024. [Online]. Available: https://medium.com/@vinciabhinav7/whats-protobuf-exactly-when-to-use-it-537bec1e1fba. [Accessed: Jun. 9, 2024].

[36] Python Software Foundation, "re — Regular expression operations," *Python 3 Documentation*, [Online]. Available: https://docs.python.org/3/library/re.html. [Accessed: Jun. 9, 2024].

[37] "TensorFlow I/O," *TensorFlow*, [Online]. Available: https://www.tensorflow.org/io. [Accessed: Jun. 9, 2024].

[38] F. Oh, "What Is CUDA?," *NVIDIA Blog*, Sep. 10, 2012. [Online]. Available: https://blogs.nvidia.com/blog/what-is-cuda-2/. [Accessed: Jun. 9, 2024].

[39] "Install TensorFlow with GPU support on Windows," *TensorFlow*, [Online]. Available: https://www.tensorflow.org/install/source_windows#gpu. [Accessed: Jun. 9, 2024].

[40] "Pin /etc/apt/preferences.d/pinning file," Ubuntu Community Help Wiki, [Online]. Available: https://help.ubuntu.com/community/PinningHowto. [Accessed: Jun. 9, 2024].

[41] TensorFlow, "models: tf2_detection_zoo.md," GitHub, 2024. [Online]. Available: https://github.com/tensorflow/models/blob/master/research/object_detection/g3doc/tf2_detection_zoo.md. [Accessed: Jun. 9, 2024].

[42] Python Software Foundation, "tarfile — Read and write tar archive files," *Python 3 Documentation*, [Online]. Available: https://docs.python.org/3/library/tarfile.html. [Accessed: Jun. 9, 2024].

[43] "TensorBoard," *TensorFlow*, [Online]. Available: https://www.tensorflow.org/tensorboard. [Accessed: Jun. 9, 2024].

[44] S. Wenkel, K. Alhazmi, T. Liiv, S. Alrshoud, and M. Simon, "Confidence Score: The Forgotten Dimension of Object Detection Performance Evaluation," *Sensors*, vol. 21, no. 13, p. 4350, Jun. 2021. [Online]. Available: https://doi.org/10.3390/s21134350. [Accessed: Jun. 9, 2024].

[45] N. A. Ahmed, "Mean Average Precision (mAP): A Complete Guide," *Kili Technology*, [Online]. Available: https://kili-technology.com/data-labeling/machine-learning/mean-average-precision-map-a-complete-guide. [Accessed: Jun. 9, 2024].

[46] H. Sarojadevi, "Performance Testing: Methodologies and Tools," Journal of Information Engineering and Applications, vol. 1, no. 5, pp. 5-12, 2011. [Online]. Available: www.iiste.org. ISSN 2224-5758 (print), ISSN 2224-896X (online).

[47] D. Lysukhin, "TensorFlow Object Detection API: basics of detection (1/2)," *Becoming Human: Artificial Intelligence Magazine*, Dec. 21, 2017. [Online]. Available: https://becominghuman.ai/tensorflow-object-detection-api-basics-of-detection-7b134d689c75. [Accessed: Jun. 9, 2024].

[48] EdjeElectronics, "TensorFlow Lite Object Detection on Android and Raspberry Pi: Windows TFLite Guide," GitHub, 2024. [Online]. Available: https://github.com/EdjeElectronics/TensorFlow-Lite-Object-Detection-on-Android-and-Raspberry-Pi/blob/master/deploy_guides/Windows_TFLite_Guide.md. [Accessed: Jun. 9, 2024].

[49] J. Kolluri, K. Kumar, M.S.B. Phridviraj, and S. Razia, "Reducing Overfitting Problem in Machine Learning Using Novel L1/4 Regularization Method," in *Proc. 2020 4th International Conference on Trends in Electronics and Informatics (ICOEI)*, Jun. 2020. doi: 10.1109/ICOEI48184.2020.9142992.