

DAFTAR PUSTAKA

- Al Rivan, M. E., Irsyad, H., Kevin, K., & Narta, A. T. (2020). Pengenalan Alfabet American Sign Language Menggunakan K-Nearest Neighbors Dengan Ekstraksi Fitur Histogram Of Oriented Gradients. *Jurnal Teknik Informatika Dan Sistem Informasi*, 5(3), 328–339. <https://doi.org/10.28932/jutisi.v5i3.1936>
- Alwanda, M. R., Ramadhan, R. P. K., & Alamsyah, D. (2020). Implementasi Metode Convolutional Neural Network Menggunakan Arsitektur LeNet-5 untuk Pengenalan Doodle. *Jurnal Algoritme*, 1(1), 45–56.
- Amwin, A. (2021). *Deteksi Dan Klasifikasi Kendaraan Berbasis Algoritma You Only Look Once (YOLO)*. Skripsi, Yogyakarta, Indonesia, Universitas Islam Indonesia
- Aningtiyas, P. R., Sumin, A., & Wirawan, S. (2020). Pembuatan Aplikasi Deteksi Objek Menggunakan TensorFlow Object Detection API dengan Memanfaatkan SSD MobileNet V2 Sebagai Model Pra-Terlatih. *Jurnal Ilmiah Komputasi*, 19(3), 421–430.
- Barczak, A. L. C., Reyes, N. H., Abastillas, M., Piccio, A., & Susnjak, T. (2011). A new 2D static hand gesture colour image dataset for ASL gestures. *Research Letters in the Information and Mathematical Sciences*, Vol. 15, 12–20.
- Brownlee, J. (2018). What is the Difference Between a Batch and an Epoch in a Neural Network. *Machine Learning Mastery*, No. 20, 3–4
- Carneiro, T., Da Nóbrega, R. V. M., Nepomuceno, T., Bian, G.-B., De Albuquerque, V. H. C., & Reboucas Filho, P. P. (2018). Performance analysis of google colab as a tool for accelerating deep learning applications. *IEEE Access*, 6, 61677–61685.
- Dewi, S. R. (2018). *Deep Learning Object Detection Pada Video Menggunakan Tensorflow dan Convolutional Neural Network*. Skripsi, Yogyakarta, Indonesia, Universitas Islam Indonesia.
- Dima, T. F., & Ahmed, M. E. (2021). Using YOLOv5 Algorithm to Detect and Recognize American Sign Language. *2021 International Conference on*

Information Technology (ICIT), 603–607.

Gafar, A., & Sari, J. Y. (2017). Sistem Pengenalan Bahasa Isyarat Indonesia dengan Menggunakan Metode Fuzzy K-Nearest Neighbor. *ULTIMATICS*, 9, 122–128. <https://doi.org/10.31937/ti.v9i2.671>

Hanafi, Y. U. (2020). *Deteksi Penggunaan Helm Pada Pengendara Bermotor Berbasis Deep Learning*. Institut Teknologi Sepuluh Nopember.

Hidayatullah, S., Endrasmono, I. J., & Hasin, M. K. (2021). Rancang Bangun Penerjemah Bahasa Isyarat Menggunakan Pengolahan Citra Dengan Metode You Only Look Once (YOLO). *Jurnal Conference on Automation Engineering and Its Application*, 1(1), 206–211. <http://journal.ppns.ac.id/index.php/CAEA/article/view/1895>

Ieamsaard, J., Charoensook, S. N., & Yammen, S. (2021). Deep learning-based face mask detection using yolov5. *2021 9th International Electrical Engineering Congress (IEECON)*, 428–431.

Kasim, E. R., Fransiska, A., Lusli, M., & Okta, S. (2010). Analisis situasi penyandang disabilitas di Indonesia: Sebuah desk-review. *Pusat Kajian Disabilitas, Fakultas Ilmu-Ilmu Sosial Dan Politik Universitas Indonesia*.

Levina, A. (2021). *Implementasi Model Deep Learning Untuk Deteksi Objek Candi Prambanan, Candi Borobudur, Dan Candi Ratu Boko Menggunakan YOLO V5*. Institut Teknologi Telkom Purwokerto.

Liu, S., Qi, L., Qin, H., Shi, J., & Jia, J. (2018). Path aggregation network for instance segmentation. *Proceedings of the IEEE Conference on Computer Vision and Pattern Recognition*, 8759–8768.

Manajang, D., Sompie, S. R. U. A., & Jacobus, A. (2021). Implementasi Framework Tensorflow Object Detection API Dalam Mengklasifikasi Jenis Kendaraan Bermotor. *Jurnal Teknik Informatika*, 15(3), 171–178.

Naufal, M. F., & Kusuma, S. F. (2021). Pendeteksi Citra Masker Wajah Menggunakan CNN dan Transfer Learning. *Jurnal Teknologi Informasi Dan Ilmu Komputer (JTIK)*, 8(6), 1293–1300.

Naufal, M. F., Sesilia Shania, Jessica Millenia, Stefan Axel, Juan Timothy Soebroto, Rizka Febrina P., & Mirella Mercifia. (2021). Analisis Perbandingan Algoritma Klasifikasi MLP dan CNN pada Dataset American

- Sign Language. *Jurnal RESTI (Rekayasa Sistem Dan Teknologi Informasi)*, 5(3), 489–495. <https://doi.org/10.29207/resti.v5i3.3009>
- Nepal, U., & Eslamiat, H. (2022). Comparing YOLOv3, YOLOv4 and YOLOv5 for autonomous landing spot detection in faulty UAVs. *Sensors*, 22(2), 464.
- Nugroho, P. A., Fenriana, I., & Arijanto, R. (2020). Implementasi Deep Learning Menggunakan Convolutional Neural Network (Cnn) Pada Ekspresi Manusia. *Algor*, 2(1), 12–20.
- Padilla, R., Netto, S. L., & Da Silva, E. A. B. (2020). A survey on performance metrics for object-detection algorithms. *2020 International Conference on Systems, Signals and Image Processing (IWSSIP)*, 237–242.
- Qiu, X., & Zhang, S. (2017). Hand Detection for Grab-and-Go Groceries. *Technical Report*, 1–7. <http://cs231n.stanford.edu/reports/2017/pdfs/225.pdf>
- Rahman, M. F., & Bambang, B. (2020). Deteksi Sampah pada Real-time Video Menggunakan Metode Faster R-CNN. *Applied Technology and Computing Science Journal*, 3(2), 117–125.
- Redmon, J., Divvala, S., Girshick, R., & Farhadi, A. (2016). You only look once: Unified, real-time object detection. *Proceedings of the IEEE Conference on Computer Vision and Pattern Recognition*, 779–788.
- Ridwang, R. (2017). Pengenalan bahasa isyarat indonesia (SIBI) menggunakan leap motion controller dan algoritma data mining naïve bayes. *Jurnal INSYPRO (Information System and Processing)*, 2(2), 1–8.
- Rohim, A., Sari, Y. A., & Tibyani, T. (2019). Convolution neural network (cnn) untuk pengklasifikasian citra makanan tradisional. *JPTIIK (Jurnal Pengembangan Teknologi Informasi Dan Ilmu Komputer)*, 3(7), 7037–7042.
- Shah, T. (2017). About train, validation and test sets in machine learning. *Towards Data Science. Online. Toward Data Science*, <https://towardsdatascience.com/train-validation-and-test-sets-72cb40cba9e7>. 10 Agustus 2022.
- Sharma, T., Debaque, B., Duclos, N., Chehri, A., Kinder, B., & Fortier, P. (2022). Deep Learning-Based Object Detection and Scene Perception under Bad Weather Conditions. *Electronics (Switzerland)*, 11(4), 1–11. <https://doi.org/10.3390/electronics11040563>

- Sindy, F. (2019). *Pendeteksian Objek Manusia Secara Real Time dengan Metode Mobilenet-SSD Menggunakan Movidius Neural Compute Stick pada Raspberry PI*.
- Sokolova, M., & Lapalme, G. (2009). A systematic analysis of performance measures for classification tasks. *Information Processing & Management*, 45(4), 427–437.
- Stokoe, W. C., & Marschark, M. (2005). Sign language structure: An outline of the visual communication systems of the american deaf. *Journal of Deaf Studies and Deaf Education*, 10(1), 3–37. <https://doi.org/10.1093/deafed/eni001>
- Studi, P., & Informatika, T. (2020). *Klasifikasi American Sign Language Menggunakan Fitur Scale Invariant Feature Transform dan Jaringan Saraf Tiruan*. 1(1).
- Talukdar, J., Biswas, A., & Gupta, S. (2018). Data Augmentation on Synthetic Images for Transfer Learning using Deep CNNs. *2018 5th International Conference on Signal Processing and Integrated Networks, SPIN 2018*, 215–219. <https://doi.org/10.1109/SPIN.2018.8474209>
- Thuan, D. (2021). *Evolution of Yolo algorithm and Yolov5: The State-of-the-Art object detention algorithm*, Vol(No), 61
- Wang, C.-Y., Liao, H.-Y. M., Wu, Y.-H., Chen, P.-Y., Hsieh, J.-W., & Yeh, I.-H. (2020). CSPNet: A new backbone that can enhance learning capability of CNN. *Proceedings of the IEEE/CVF Conference on Computer Vision and Pattern Recognition Workshops*, 390–391.
- Yao, J., Qi, J., Zhang, J., Shao, H., Yang, J., & Li, X. (2021). A real-time detection algorithm for Kiwifruit defects based on YOLOv5. *Electronics*, 10(14), 1711.
- Zhang, H., Zhang, L., & Jiang, Y. (2019). Overfitting and Underfitting Analysis for Deep Learning Based End-to-end Communication Systems. *2019 11th International Conference on Wireless Communications and Signal Processing, WCSP 2019*, 1–6. <https://doi.org/10.1109/WCSP.2019.8927876>
- Zhang, J., Xie, Y., Pang, G., Liao, Z., Verjans, J., Li, W., Sun, Z., He, J., Li, Y., & Shen, C. (2020). Viral pneumonia screening on chest X-rays using

confidence-aware anomaly detection. *IEEE Transactions on Medical Imaging*, 40(3), 879–890.

Zhou, F., Zhao, H., & Nie, Z. (2021). Safety Helmet Detection Based on YOLOv5. *Proceedings of 2021 IEEE International Conference on Power Electronics, Computer Applications, ICPECA 2021*, 6–11. <https://doi.org/10.1109/ICPECA51329.2021.9362711>

Zhu, X., Lyu, S., Wang, X., & Zhao, Q. (2021). TPH-YOLOv5: Improved YOLOv5 Based on Transformer Prediction Head for Object Detection on Drone-captured Scenarios. *Proceedings of the IEEE International Conference on Computer Vision, 2021-Octob*, 2778–2788. <https://doi.org/10.1109/ICCVW54120.2021.00312>

