

DAFTAR PUSTAKA

- Adusumalli, H., Kalyani, D., Sri, R. K., Pratapteja, M., & Rao, P. V. R. D. P. (2021). Face Mask Detection Using OpenCV. *2021 Third International Conference on Intelligent Communication Technologies and Virtual Mobile Networks (ICICV)*, 1304–1309. <https://doi.org/10.1109/ICICV50876.2021.9388375>
- Afni, S. V. N., Esi Putri Silmina, & Irwanda Budi Pangestu. (2021). Computer Vision Used to Monitor The Youth during The Pandemic Covid-19. *Procedia of Engineering and Life Science*, 1(2). <https://doi.org/10.21070/pels.v1i2.1019>
- Aiouez, S., Hamitouche, A., Belmadoui, M., Belattar, K., & Souami, F. (2022). Real-time Arabic Sign Language Recognition based on YOLOv5: *Proceedings of the 2nd International Conference on Image Processing and Vision Engineering*, 17–25. <https://doi.org/10.5220/0010979300003209>
- Alfarizi, D. N., Pangestu, R. A., Aditya, D., Setiawan, M. A., & Rosyani, P. (2023). *Penggunaan Metode YOLO Pada Deteksi Objek: Sebuah Tinjauan Literatur Sistematis*. 1(1).
- Apriliandhani, Z. (2022, May 21). *SIBI atau BISINDO? Manakah yang Lebih Memahami Disabilitas?* KOMPASIANA. <https://www.kompasiana.com/zalfaapriliandhani7163/6287db95bb448631e34555d2/sibi-atau-bisindo-manakah-yang-lebih-memahami-disabilitas>
- Boesch, G. (2024, January 4). *What is Intersection over Union (IoU)?* Viso.Ai. <https://viso.ai/computer-vision/intersection-over-union-iou/>
- Bragg, D., Koller, O., Bellard, M., Berke, L., Boudreault, P., Braffort, A., Caselli, N., Huenerfauth, M., Kacorri, H., Verhoef, T., Vogler, C., & Ringel Morris, M. (2019). Sign Language Recognition, Generation, and Translation: An Interdisciplinary Perspective. *The 21st International ACM SIGACCESS Conference on Computers and Accessibility*, 16–31. <https://doi.org/10.1145/3308561.3353774>
- Burkov, A. (2019). “All models are wrong, but some are useful.”—George Box.
- Chen, L., Chen, P., & Lin, Z. (2020). Artificial Intelligence in Education: A Review. *IEEE Access*, 8, 75264–75278. <https://doi.org/10.1109/ACCESS.2020.2988510>
- Chicco, D., & Jurman, G. (2020). The advantages of the Matthews correlation coefficient (MCC) over F1 score and accuracy in binary classification evaluation. *BMC Genomics*, 21(1), 6. <https://doi.org/10.1186/s12864-019-6413-7>
- Choi, R. Y., Coyner, A. S., Kalpathy-Cramer, J., Chiang, M. F., & Campbell, J. P. (2020). *Introduction to Machine Learning, Neural Networks, and Deep Learning*.
- Cui, M., & Zhang, D. Y. (2021). Artificial intelligence and computational pathology. *Laboratory Investigation*, 101(4), 412–422. <https://doi.org/10.1038/s41374-020-00514-0>
- Czeczko, M. (2021, March 30). *Practical Deep Learning for coders*. Wunderman Thompson Technology. <https://wttech.blog/blog/2021/practical-deep-learning-for-coders/>

- Damayanti, I., & Purnamasari, S. H. (2019). Hambatan Komunikasi dan Stres Orangtua Siswa Tunarungu Sekolah Dasar. *JURNAL PSIKOLOGI INSIGHT*, 3(1), 1–9. <https://doi.org/10.17509/insight.v3i1.22311>
- Das, S., Dey, A., Pal, A., & Roy, N. (2015). Applications of Artificial Intelligence in Machine Learning: Review and Prospect. *International Journal of Computer Applications*, 115(9), 31–41. <https://doi.org/10.5120/20182-2402>
- Dompeipen, T. A. (2021). *Computer Vision Implementation for Detection and Counting the Number of Humans*. 16(1).
- Gallu, A., Himamunanto, A., & Budiat, H. (2024). Pengenalan Emosi pada Citra wajah menggunakan Metode YOLO. 5(3).
- Giarida, Z., & Rosyani, P. (2024). Perancangan Sistem Pengukur Kecepatan Kendaraan Berbasis Kamera Menggunakan Algoritma YOLO. 2(3).
- Grandini, M., Bagli, E., & Visani, G. (2020). Metrics for Multi-Class Classification: An Overview (No. arXiv:2008.05756). arXiv. <http://arxiv.org/abs/2008.05756>
- Hartiwi, Y., Rasywir, E., Pratama, Y., & Jusia, P. A. (2020). Sistem Manajemen Absensi dengan Fitur Pengenalan Wajah dan GPS Menggunakan YOLO pada Platform Android. 4.
- Hermawan, M. I., Tritoasmoro, I. I., & Ibrahim, N. (2021). Pengaturan Lampu Lalu Lintas Berdasarkan Kepadatan Kendaraan Menggunakan Metode YOLO.
- Heydarian, M., Doyle, T. E., & Samavi, R. (2022). MLCM: Multi-Label Confusion Matrix. *IEEE Access*, 10, 19083–19095. <https://doi.org/10.1109/ACCESS.2022.3151048>
- Janiesch, C., Zschech, P., & Heinrich, K. (2021). Machine learning and deep learning. *Electronic Markets*, 31(3), 685–695. <https://doi.org/10.1007/s12525-021-00475-2>
- Jannah, R. R. D. (2021). Pola Komunikasi Guru dalam Meningkatkan Kemampuan Belajar Siswa Tunarungu di Sekolah Luar Biasa Negeri Lubuk Linggau. *Wardah*, 22(2), 1–15. <https://doi.org/10.19109/wardah.v22i2.10830>
- Jinan, A., & Hayadi, B. H. (2022, April). *Klasifikasi Penyakit Tanaman Padi Menggunakan Metode Convolutional Neural Network Melalui Citra Daun (Multilayer Perceptron)*. Journal of Computer and Engineering Science. <https://pusdikrapublishing.com/index.php/jaroe/article/view/772/668>
- Juherna, E., Purwanti, E., Melawati, & Sri Utami, Y. (2020). Implementasi Pendidikan Karakter pada Disabilitas Anak Tunarungu. *Jurnal Golden Age*, 4(01). <https://doi.org/10.29408/jga.v4i01.1809>
- Kamus SIBI*. (n.d.). Retrieved October 20, 2024, from <https://pmpk.kemdikbud.go.id/sibi/>
- Keita, Z. (2024, September 28). *YOLO Object Detection Explained: A Beginner's Guide*. <https://www.datacamp.com/blog/yolo-object-detection-explained>
- Liu, L., Ouyang, W., Wang, X., Fieguth, P., Chen, J., Liu, X., & Pietikäinen, M. (2019). Deep Learning for Generic Object Detection: A Survey. *International Journal of Computer Vision*, 128(2), 261–318. <https://doi.org/10.1007/s11263-019-01247-4>
- Mahesh, B. (2020). Machine Learning Algorithms—A Review. *International Journal of Science and Research (IJSR)*, 9(1), 381–386. <https://doi.org/10.21275/ART20203995>

- Mailani, O., Nuraeni, I., Syakila, S. A., & Lazuardi, J. (2022). *Bahasa Sebagai Alat Komunikasi Dalam Kehidupan Manusia*. 1(2).
- Mishra, S., Verma, Mrs. V., Akhtar, Dr. N., Chaturvedi, S., & Perwej, Dr. Y. (2022). An Intelligent Motion Detection Using OpenCV. *International Journal of Scientific Research in Science, Engineering and Technology*, 51–63. <https://doi.org/10.32628/IJSRSET22925>
- Mohamad Asri, M. A. M., Ahmad, Z., Mohtar, I. A., & Ibrahim, S. (2019). A Real Time Malaysian Sign Language Detection Algorithm Based on YOLOv3. *International Journal of Recent Technology and Engineering*, 8(2S11), 651–656. <https://doi.org/10.35940/ijrte.B1102.0982S1119>
- Mustapić, E., & Malenica, F. (2019). The Signs of Silence – An Overview of Systems of Sign Languages and Co-Speech Gestures. *ELOPE: English Language Overseas Perspectives and Enquiries*, 16(1), 123–144. <https://doi.org/10.4312/elope.16.1.123-144>
- Pangestu, A. B., Muttaqin, M. R., & Sunandar, M. A. (2024). *Sistem Deteksi Bahasa Isyarat Indonesia (BISINDO) Menggunakan Algoritma You Only Look Once (YOLO)V8*. 8(5).
- Pannu, A. (2015). *Artificial Intelligence and its Application in Different Areas*. 4(10).
- Pestana, D., Miranda, P. R., Lopes, J. D., Duarte, R. P., Vestias, M. P., Neto, H. C., & De Sousa, J. T. (2021). A Full Featured Configurable Accelerator for Object Detection With YOLO. *IEEE Access*, 9, 75864–75877. <https://doi.org/10.1109/ACCESS.2021.3081818>
- Pramono, I. M., Niswati, Z., & Agustina, A. (2024). Model Penerjemah Bahasa Isyarat Indonesia Dengan Metode Convolutional Neural Network (CNN). *Semnas Ristek (Seminar Nasional Riset dan Inovasi Teknologi)*, 8(01). <https://doi.org/10.30998/semnasristek.v8i01.7124>
- Pratama, B. K., Sri Lestanti, & Yusniarsi Primasari. (2024). Implementasi Algoritma You Only Look Once (YOLO) untuk Mendeteksi Bahasa Isyarat SIBI. *ProTekInfo(Pengembangan Riset dan Observasi Teknik Informatika)*, 11(2), 7–14. <https://doi.org/10.30656/protekinfo.v11i2.9105>
- Pratiwi, A., & Amri, A. (2019, Agustus). *Penggunaan Sistem Isyarat Bahasa Indonesia (SIBI) Sebagai Media Komunikasi*. Jurnal Ilmiah Mahasiswa FISIP Unsyiah. <https://jim.usk.ac.id/FISIP/article/view/11720/4807>
- Ramadhan, A. D., Wilansky, A. J., Wilansky, A. E., Farhat, F., & Rosyani, P. (2024). *Implementasi Sistem Deteksi Wajah Menggunakan Haar Cascade Classifier*. 1(4).
- Ramadhani, F., Satria, A., & Dewi, S. (2024). Identifikasi Kendaraan Bermotor pada Dashcam Mobil Menggunakan Algoritma YOLO. *Hello World Jurnal Ilmu Komputer*, 2(4), 199–206. <https://doi.org/10.56211/helloworld.v2i4.466>
- Redmon, J., Divvala, S., Girshick, R., & Farhadi, A. (2016). You Only Look Once: Unified, Real-Time Object Detection. *2016 IEEE Conference on Computer Vision and Pattern Recognition (CVPR)*, 779–788. <https://doi.org/10.1109/CVPR.2016.91>
- Renaldy, & Dharmawan, A. B. (2024). Pengenalan Citra Bahasa Isyarat Berdasarkan Sistem Isyarat Bahasa Indonesia Menggunakan Metode Vision Transformer. *Jurnal Ilmu Komputer dan Sistem Informasi*.
- Riansyah, A., & Mirza, A. H. (2023). Pendekripsi Mobil Berdasarkan Merek dan Tipe Menggunakan Algoritma YOLO. *SMATIKA JURNAL*, 13(01), 43–52. <https://doi.org/10.32664/smatika.v13i01.719>

- Sholawati, M., Auliasari, K., & Ariwibisono, Fx. (2022). Pengembangan Aplikasi Pengenalan Bahasa Isyarat Abjad SIBI Menggunakan Metode Convolutional Neural Network (CNN). *JATI (Jurnal Mahasiswa Teknik Informatika)*, 6(1), 134–144. <https://doi.org/10.36040/jati.v6i1.4507>
- Sidik, G. A. (2024). *Deteksi Tindak Kekerasan dan Perundungan Pada Anak Berbasis YOLOV8 (You Only Look Once)*. 3(9).
- Syah, A. R. (2022). *Aplikasi Penerjemah Bahasa Isyarat Menggunakan Metode K-NN (K-Nearst Neighbour)*. 2.
- Syaputra, M. A., Pinem, J., Lubis, A. A., & Denia, Y. (2023). Implementasi Algoritma YOLO Dalam Pengklasifikasian Objek Transportasi pada Lalu Lintas Kota Medan. *Populer: Jurnal Penelitian Mahasiswa*, 3(1), 13–23. <https://doi.org/10.58192/populer.v3i1.1641>
- Thira, I. J., Riana, D., Ilhami, A. N., Dwinanda, B. R. S., & Choerunisya, H. (2023). Pengenalan Alfabet Sistem Isyarat Bahasa Indonesia (SIBI) Menggunakan Convolutional Neural Network. *Jurnal Algoritma*, 20(2), 421–432. <https://doi.org/10.33364/algoritma/v.20-2.1480>
- Wedayanti, N. P. L., Lintangsari, A. P., & Wirawan, G. A. P. (2021). *Perkembangan Bahasa Isyarat Daerah Denpasar*.
- Wibowo, M., Tullah, R., & Ricesa, W. (2025). *Studi Perbandingan Algoritma YOLO dan FOMO untuk Object Detection pada Perangkat ESP32-CAM*.
- World Federation of the Deaf. (2016). Human Rights of the Deaf. WFD. <https://wfdeaf.org/our-work/human-rights-of-the-deaf/>