DAFTAR PUSTAKA

Adla, P., Pola, P., Sai Kiran, P., & Shiva Kumar, A. (2023). Lightweight American Sign Language and Gesture Recognition using YOLOv8. *15th IEEE International Conference on Computational Intelligence and Communication Networks*. https://doi.org/10.1109/CICN59264.2023.10402324

Ariansyah, D. S. (2024). Pendeteksi Kata Dalam Bahasa Isyarat Menggunakan Algoritma YOLO Versi 8. *Jurnal Informatika dan Teknik Elektro Terapan*, *12*(3). https://doi.org/10.23960/jitet.v12i3.4904

Badan Pusat Statistik. (2024). *Potret Penyandang Disabilitas di Indonesia: Hasil Long Form Sensus Penduduk 2020*. Badan Pusat Statistik.

Bengio, Y. (2012). Practical Recommendations for Gradient-Based Training of Deep Architectures. *Neural Networks: Tricks of the Trade*. https://doi.org/10.1007/978-3-642-35289-8_26

Bochkovskiy, A., Wang, C.-Y., & Liao, H.-Y. M. (2020). YOLOv4: Optimal Speed and Accuracy of Object Detection. *arXiv*. https://arxiv.org/abs/2004.10934

Bosma, J. S., Peeters, D., Alves, N., Saha, A., Saghir, Z., Jacobs, C., & Huisman, H. (2023). Reproducibility of Training Deep Learning Models for Medical Image Analysis. *Proceedings of Machine Learning Research*, *227*, 1269–1287.

Daniel, E., Kathiresan, V., Priyadarshini, C., Golden Nancy, R., & Sindhu, P. (2025). Real Time Sign Recognition using YOLOv8 Object Detection Algorithm for Malayalam Sign Language. *Fusion: Practice and Applications*, *17*(1), 135–145. https://doi.org/10.54216/FPA.170110

Felix, Faisal, S., Butarbutar, T. F. M., & Sirait, P. (2019). Implementasi CNN dan SVM untuk Identifikasi Penyakit Tomat via Daun. *Indonesian Journal of Computing and Cybernetics Systems (IJCCS)*, *20*, 1–5.

García-Alcaraz, J. L., Maldonado-Macías, A. A., & Cortes-Robles, G. (2014). Lean manufacturing in the developing world: Methodology, case studies and trends from Latin America. Dalam *Lean Manufacturing in the Developing World: Methodology, Case Studies and Trends from Latin America* (Vol. 9783319049519). Springer International Publishing. https://doi.org/10.1007/978-3-319-04951-9

Géron, A. (2019). *Hands-on Machine Learning with Scikit-Learn, Keras, and TensorFlow: Concepts, Tools, and Techniques to Build Intelligent Systems* (2nd ed.). O'Reilly Media.

Girshick, R. (2015). Fast R-CNN. *2015 IEEE International Conference on Computer Vision*. https://doi.org/10.1109/ICCV.2015.169

Goodfellow, I., Bengio, Y., & Courville, A. (2016). *Deep Learning*. MIT Press.

Hao, R., Namdar, K., Liu, L., Haider, M. A., & Khalvati, F. (2021). A Comprehensive Study of Data Augmentation Strategies for Prostate Cancer Detection in Diffusion-Weighted MRI Using Convolutional Neural Networks. *Journal of Digital Imaging*, *34*(4), 862–876. https://doi.org/10.1007/s10278-021-00478-7

Hasan, M., Paul, B. K., Islam, N., & Mostafiz, R. (2025). Advancing real-time sign language detection for deaf and hearing-impaired communities: a customized YOLOv8 approach with tailored annotations in computer vision. *BMC Artificial Intelligence*, *1*(1). https://doi.org/10.1186/s44398-025-00010-9

Haykin, S. S. (2009). *Neural Networks and Learning Machines* (3rd ed.). Pearson Education.

Hidayatullah, P., Syakrani, N., Sholahuddin, M. R., Gelar, T., & Tubagus, R. (2025). *YOLOv8 to YOLO11: A Comprehensive Architecture In-depth Comparative Review*. https://doi.org/10.29207/resti.v10i2.6598

Ioffe, S., & Szegedy, C. (2015). Batch Normalization: Accelerating Deep Network Training by Reducing Internal Covariate Shift. Dalam F. Bach & D. Blei (Ed.), *Proceedings of the 32nd International Conference on Machine Learning* (hlm. 448–456). PMLR. https://proceedings.mlr.press/v37/ioffe15.html

Kementerian Kesehatan Republik Indonesia. (2025, Maret 5). *Kemenkes Ajak Masyarakat Peduli Kesehatan Pendengaran*. Kementerian Kesehatan Republik Indonesia. https://kemkes.go.id/eng/kemenkes-ajak-masyarakat-peduli-kesehatan-pendengaran

LeCun, Y., Bengio, Y., & Hinton, G. (2015). Deep Learning. *Nature*, *521*. https://doi.org/10.1038/nature14539

Li, C., Li, L., Jiang, H., Weng, K., Geng, Y., Li, L., Ke, Z., Li, Q., Cheng, M., Nie, W., Li, Y., Zhang, B., Liang, Y., Zhou, L., Xu, X., Chu, X., Wei, X., & Wei, X. (2022). YOLOv6: A Single-Stage Object Detection Framework for Industrial Applications. *arXiv*. https://arxiv.org/abs/2209.02976

Li, X., Wang, W., Wu, L., Chen, S., Hu, X., Li, J., Tang, J., & Yang, J. (2020). Generalized Focal Loss: Learning Qualified and Distributed Bounding Boxes for Dense Object Detection. *Proceedings of the 34th International Conference on Neural Information Processing Systems*.

Lin, T.-Y., Dollár, P., Girshick, R., He, K., Hariharan, B., & Belongie, S. (2017). Feature Pyramid Networks for Object Detection. *2017 IEEE Conference on Computer Vision and Pattern Recognition (CVPR)*, 936–944. https://doi.org/10.1109/CVPR.2017.106

Liu, S., Qi, L., Qin, H., Shi, J., & Jia, J. (2018). Path Aggregation Network for Instance Segmentation. *2018 IEEE/CVF Conference on Computer Vision and Pattern Recognition*, 8759–8768. https://doi.org/10.1109/CVPR.2018.00913

Loshchilov, I., & Hutter, F. (2019). Decoupled Weight Decay Regularization. *7th International Conference on Learning Representations, ICLR 2019,New Orleans, LA, USA, May 6-9, 2019*.

Markoulidakis, I., Rallis, I., Georgoulas, I., Kopsiaftis, G., Doulamis, A., & Doulamis, N. (2021). Multiclass Confusion Matrix Reduction Method and Its Application on Net Promoter Score Classification Problem. *Technologies*, *9*(4). https://doi.org/10.3390/technologies9040081

Ma'ruf, A., & Hardjianto, M. (2023). Penerapan Algortima You Only Look Once Version 8 Untuk Identifikasi Abjad Bahasa Isyarat Indonesia. *Prosiding Seminar Nasional Mahasiswa Fakultas Teknologi Informasi (SENAFTI)*, *2*(2), 567–576. https://senafti.budiluhur.ac.id/senafti/article/view/803

Mienye, I. D., & Swart, T. G. (2024). A Comprehensive Review of Deep Learning: Architectures, Recent Advances, and Applications. *Information (Switzerland)*, *15*(12). https://doi.org/10.3390/info15120755

Molchanov, P., Tyree, S., Karras, T., Aila, T., & Kautz, J. (2017). Pruning Convolutional Neural Networks for Resource Efficient Inference. *arXiv*. https://arxiv.org/abs/1611.06440

Moraes, A. M., Pugliese, L. F., Santos, R. F. dos, Vitor, G. B., Braga, R. A. da S., & Silva, F. R. da. (2025). Effectiveness of YOLO Architectures in Tree Detection: Impact of Hyperparameter Tuning and SGD, Adam, and AdamW Optimizers. *Standards*, *5*(1), 9. https://doi.org/10.3390/standards5010009

Munir, R. (2004). *Pengolahan Citra Digital dengan Pendekatan Argoritmik*. Informatika.

Murat, A. A., & Kiran, M. S. (2025). A comprehensive review on YOLO versions for object detection. Dalam *Engineering Science and Technology, an International Journal* (Vol. 70). Elsevier B.V. https://doi.org/10.1016/j.jestch.2025.102161

Nguyen, A., Pham, K., Ngo, D., Ngo, T., & Pham, L. (2021). An Analysis of State-of-the-art Activation Functions For Supervised Deep Neural Network. *2021 International Conference on System Science and Engineering (ICSSE)*, 215–220. https://doi.org/10.1109/ICSSE52999.2021.9538437

Normawati, D., & Prayogi, S. A. (2021). Implementasi Naïve Bayes Classifier Dan Confusion Matrix Pada Analisis Sentimen Berbasis Teks Pada Twitter. *Jurnal Sains Komputer & Informatika (J-SAKTI*, *5*(2), 697–711.

Nwankpa, C., Ijomah, W., Gachagan, A., & Marshall, S. (2018). Activation Functions: Comparison of Trends in Practice and Research for Deep Learning. *arXiv*. https://arxiv.org/abs/1811.03378

Padilla, R., Passos, W. L., Dias, T. L. B., Netto, S. L., & Da Silva, E. A. B. (2021). A comparative analysis of object detection metrics with a companion open-source toolkit. *Electronics (Switzerland)*, *10*(3), 1–28. https://doi.org/10.3390/electronics10030279

Pan, S. J., & Yang, Q. (2010). A survey on transfer learning. Dalam *IEEE Transactions on Knowledge and Data Engineering* (Vol. 22, Nomor 10, hlm. 1345–1359). https://doi.org/10.1109/TKDE.2009.191

Pangestu, A. B., Muttaqin, R., & Sunandar, A. (2024). Sistem Deteksi Bahasa Isyarat Indonesia (BISINDO) Menggunakan Algoritma You Only Look Once (YOLO)V8. *JATI (Jurnal Mahasiswa Teknik Informatika)*, *8*(5), 9891–9897. https://doi.org/10.36040/jati.v8i5.10833

Parid, M. (2020). Relevansi Komunikasi Pembelajaran dengan Materi Bahan Ajar SDMI. *Jurnal Ilmiah Wahana Pendidikan*. https://doi.org/10.5281/zenodo.3986243

Rachmawati, R. (2025). Bahasa Isyarat dan Juru Bahasa Isyarat: Perkembangan dan Isu. *Jurnal Penerjemahan*, *7*(2). https://doi.org/10.64571/ojp.v7i2.67

Ramos, L., Casas, E., Bendek, E., Romero, C., & Rivas-Echeverría, F. (2024). Hyperparameter optimization of YOLOv8 for smoke and wildfire detection: Implications for agricultural and environmental safety. *Artificial Intelligence in Agriculture*, *12*, 109–126. https://doi.org/10.1016/j.aiia.2024.05.003

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

Redmon, J., & Farhadi, A. (2017). YOLO9000: Better, Faster, Stronger. *2017 IEEE Conference on Computer Vision and Pattern Recognition*, 6517–6525. https://doi.org/10.1109/CVPR.2017.690

Redmon, J., & Farhadi, A. (2018). YOLOv3: An Incremental Improvement. *arXiv*. https://arxiv.org/abs/1804.02767

Renaningtias, N., Putra Utama, F., Nur, A., & Sobri, A. (2025). Deteksi Bahasa Isyarat Indonesia (BISINDO) Pada Video dengan YOLOv7. *JSAI: Journal Scientific and Applied Informatics*, *8*(1). https://doi.org/10.36085

Sapkota, R., Flores-Calero, M., Qureshi, R., Badgujar, C., Nepal, U., Poulose, A., Zeno, P., Vaddevolu, U. B. P., Khan, S., Shoman, M., Yan, H., & Karkee, M. (2025). YOLO advances to its genesis: a decadal and comprehensive review of the You Only Look Once (YOLO) series. *Artificial Intelligence Review*, *58*(9). https://doi.org/10.1007/s10462-025-11253-3

Shorten, C., & Khoshgoftaar, T. M. (2019). A survey on Image Data Augmentation for Deep Learning. *Journal of Big Data*, *6*(1). https://doi.org/10.1186/s40537-019-0197-0

Sokolova, M., & Lapalme, G. (2009). A systematic analysis of performance measures for classification tasks. *Information Processing and Management*, *45*(4), 427–437. https://doi.org/10.1016/j.ipm.2009.03.002

Soydaner, D. (2020). A Comparison of Optimization Algorithms for Deep Learning. *International Journal of Pattern Recognition and Artificial Intelligence*, *34*. https://doi.org/10.1142/S0218001420520138

Szeliski, R. (2022). *Computer Vision: Algorithms and Applications*. Springer Cham. https://doi.org/10.1007/978-3-030-34372-9

Terven, J. R., & Cordova-Esparza, D. M. (2024). *A Comprehensive Review of YOLO Architectures in Computer Vision: From YOLOv1 to YOLOv8 and YOLO-NAS*. https://doi.org/10.3390/make5040083

Wang, C.-Y., Bochkovskiy, A., & Liao, H.-Y. M. (2023). YOLOv7: Trainable Bag-of-Freebies Sets New State-of-the-Art for Real-Time Object Detectors. *2023 IEEE/CVF Conference on Computer Vision and Pattern Recognition (CVPR)*, 7464–7475. https://doi.org/10.1109/CVPR52729.2023.00721

Wang, C.-Y., Liao, H.-Y. M., Yeh, I.-H., Wu, Y.-H., Chen, P.-Y., & Hsieh, J.-W. (2020). CSPNet: A New Backbone that can Enhance Learning Capability of CNN. *2020 IEEE/CVF Conference on Computer Vision and Pattern Recognition Workshops (CVPRW)*, 1571–1580. https://doi.org/10.1109/CVPRW50498.2020.00203

YOLOv8 model documentation. (2023). https://docs.ultralytics.com/models/yolov8

Zhang, A., Lipton, Z. C., Li, M. U., & Smola, A. J. (2023). *Dive into Deep Learning*. Cambridge University Press.

Zheng, Z., Wang, P., Liu, W., Li, J., Ye, R., & Ren, D. (2020). Distance-IoU Loss: Faster and Better Learning for Bounding Box Regression. *Proceedings of the AAAI Conference on Artificial Intelligence*, *34*, 12993–13000. https://doi.org/10.1609/aaai.v34i07.6999

Zou, Z., Chen, K., Shi, Z., Guo, Y., & Ye, J. (2023). Object Detection in 20 Years: A Survey. *Proceedings of the IEEE*, *111*(3), 257–276. https://doi.org/10.1109/JPROC.2023.3238524