

DAFTAR PUSTAKA

- Abubakar, A., Ugail, H., Smith, K. M., Bakar, A. M., & Elmahmudi, A. (2020). Burns Depth Assessment Using Deep Learning Features. *Journal of Medical and Biological Engineering*, 40(6), 923–933. <https://doi.org/10.1007/s40846-020-00574-z>
- Adhi Setiawan. (2021, Agustus 27). *Augmentasi Data Pada Computer Vision*.
- Alifandra Akbar, F., Sari, J. P., & Kz Oktoeberza, W. (2025). IMPLEMENTASI YOLO11 UNTUK DETEKSI PENYAKIT TANAMAN PADI BERDASARKAN CITRA DAUN. *Jurnal Rekursif*, 13. <https://ejournal.unib.ac.id/index.php/rekursif/>
- allankoudri. (2024). *train yolo v11*. https://github.com/Ikomia-hub/train_yolo_v11
- Avena-Caro, I., Gabaldón-Márquez, A., Cornejo García, R., Rendón Mejía, N., Cervantes-Sánchez, C. R., & Ramírez-Alonso, G. (2025). YOLOV11 APLICADO A LA SEGMENTACIÓN Y CLASIFICACIÓN DE QUEMADURAS EN LA PIEL. Dalam *Revista ELECTRO* (Vol. 47). https://itchihuahua.mx/revista_electro
- Bee, V., & Hartati, E. (2026). *Aplikasi Absensi Pengenalan Wajah dengan Menggunakan Algoritma YOLOv11* (Vol. 3, Nomor 3).
- Boissin, C., Laflamme, L., Jian, F., Lundin, M., Fredrik, H., Lee, W., Nikki, A., & Johan, L. (2023). Development and evaluation of deep learning algorithms for assessment of acute burns and the need for surgery. *Scientific Reports*, 13(1), 1–9. <https://doi.org/10.1038/s41598-023-28164-4>
- Cahyani, S. I., Sariasih, F. A., Prayitno, E., Bahri, C., & Setiawan, A. C. (2025). DETEKSI REAL-TIME ATRIBUT SISWA DI SEKOLAH MENGGUNAKAN MODEL YOLOV11 DAN ROBOFLOW. Dalam *Syntax Literate* (Vol. 10, Nomor 4).
- Chang, C. W., Ho, C. Y., Lai, F., Christian, M., Huang, S. C., Chang, D. H., & Chen, Y. S. (2023). Application of multiple deep learning models for automatic burn wound assessment. *Burns*, 49(5), 1039–1051. <https://doi.org/10.1016/j.burns.2022.07.006>
- Chang, C. W., Lai, F., Christian, M., Chen, Y. C., Hsu, C., Chen, Y. S., Chang, D. H., Roan, T. L., & Yu, Y. C. (2021). Deep learning–assisted burn wound diagnosis: Diagnostic model development Study. *JMIR Medical Informatics*, 9(12). <https://doi.org/10.2196/22798>
- Cirillo, M. D., Mirdell, R., Sjöberg, F., & Pham, T. D. (2019). Tensor Decomposition

- for Colour Image Segmentation of Burn Wounds. *Scientific Reports*, 9(1). <https://doi.org/10.1038/s41598-019-39782-2>
- Dinç, B., & Kaya, Y. (2025). Improved object detection approach employing adaptive padding and Viola-Jones algorithm. *PeerJ Computer Science*, 11. <https://doi.org/10.7717/peerj-cs.3455>
- Diptho, R. A., & Basak, S. (2025). Enhancing Dermatological Diagnosis Through Medical Image Analysis: How Effective Is YOLO11 Compared to Leading CNN Models? *NDT*, 3(2), 11. <https://doi.org/10.3390/ndt3020011>
- Ferdinand, J., Viriya Chow, D., & Yuda Prasetyo, S. (2023). Automated skin burn detection and severity classification using YOLO Convolutional Neural Network Pretrained Model. *E3S Web of Conferences*, 426. <https://doi.org/10.1051/e3sconf/202342601076>
- Findia Jiven, F. (2025). MRI Classification of Brain Tumors Using EfficientNetB0 Feature Extraction and Machine Learning Methods. Dalam *Journal of Applied Informatics and Computing (JAIC)* (Vol. 9, Nomor 6). <http://jurnal.polibatam.ac.id/index.php/JAIC>
- Ghezloo, F., Chang, O. H., Knezevich, S. R., Shaw, K. C., Thigpen, K. G., Reisch, L. M., Shapiro, L. G., & Elmore, J. G. (2025). Robust ROI Detection in Whole Slide Images Guided by Pathologists' Viewing Patterns. *Journal of Imaging Informatics in Medicine*, 38(1), 439–454. <https://doi.org/10.1007/s10278-024-01202-x>
- Guo, X., Yi, W., Dong, L., Kong, L., Liu, M., Zhao, Y., Hui, M., & Chu, X. (2023). Multi-Class Wound Classification via High and Low-Frequency Guidance Network. *Bioengineering*, 10(12). <https://doi.org/10.3390/bioengineering10121385>
- Gupta, J., Pathak, S., & Kumar, G. (2022). Deep Learning (CNN) and Transfer Learning: A Review. *Journal of Physics: Conference Series*, 2273(1). <https://doi.org/10.1088/1742-6596/2273/1/012029>
- Harahap, M., Husein, A. M., Kwok, S. C., Wizley, V., Leonardi, J., Ong, D. K., Ginting, D., & Silitonga, B. A. (2024). Skin cancer classification using EfficientNet architecture. *Bulletin of Electrical Engineering and Informatics*, 13(4), 2716–2728. <https://doi.org/10.11591/eei.v13i4.7159>
- Hasan Tusar, M., Fayyazbakhsh, F., Melnychuk, I., & Leu, M. C. (2025). *Improving Automated Wound Assessment Using Joint Boundary Segmentation and Multi-Class Classification Models*.
- Hendrizar, S. (2023). *Penentuan Region Of Interest (ROI) Untuk Menghitung Jumlah*

Kendaraan Pada Jalan Raya Menggunakan Frame Substratcion.

- Hermanto, D. (2026). *Implementasi Arsitektur YOLOv11 untuk Deteksi Penyakit Daun Tebu* (Vol. 3, Nomor 3). <https://www.kaggle.com/datasets/nirmalsankalana>
- Hsueh, B. Y., Li, W., & Wu, I.-C. (2018). *Stochastic Gradient Descent with Hyperbolic-Tangent Decay on Classification*. <http://arxiv.org/abs/1806.01593>
- Huang, F. S., & Cheng, C. Y. (2025). Smart Medical Image Processing: Application of YOLO and HED Wound Area Calculation. *15th International Workshop on Computer Science and Engineering, WCSE 2025*, 128–134. <https://doi.org/10.18178/wcse.2025.06.021>
- İnan, B., Özkan, İ. A., & Doğan, N. (2025). Deep Learning-Based Skin Disease Detection: Comparative Performance Analysis of YOLOv8 and YOLOv11 Models. *International Journal of Applied Methods in Electronics and Computers*. <https://doi.org/10.58190/ijamec.2025.155>
- Kanchana, K., Kavitha, S., Anoop, K. J., & Chinthamani, B. (2024). Enhancing Skin Cancer Classification Using Efficient Net B0-B7 through Convolutional Neural Networks and Transfer Learning with Patient-Specific Data. *Asian Pacific Journal of Cancer Prevention*, 25(5), 1795–1802. <https://doi.org/10.31557/APJCP.2024.25.5.1795>
- Karamchandani, S., Satam, A., Tank, V., Sanghoi, S., Deshmukh, S. S., & Shah, D. (2026). Comparative Analysis Of Cnn And Yolov5 For Automated Skin Burn Severity Classification. Dalam *Int. J. Adv. Sig. Img. Sci* (Vol. 12, Nomor 3s).
- Khairunnisa, P., Putra, W. E., Yitong, W., Jufrizal, A., & Makmum, M. N. A. (2025). Convolutional Neural Networks Using EfficientNetB0 Architecture and Hyperparameters on Skin Disease Classification. *Public Research Journal of Engineering, Data Technology and Computer Science*, 2(2), 127–137. <https://doi.org/10.57152/predatecs.v2i2.1569>
- Kuan, P. N., Chua, S., Safawi, E. B., Wang, H. H., & Tiong, W. (2017). *A Comparative Study of the Classification of Skin Burn Depth in Human*.
- Liu, H., Yue, K., Cheng, S., Li, W., & Fu, Z. (2021). A Framework for Automatic Burn Image Segmentation and Burn Depth Diagnosis Using Deep Learning. *Computational and Mathematical Methods in Medicine*, 2021. <https://doi.org/10.1155/2021/5514224>
- Luo, Y., Zhang, K., Wang, R., Yi, L., & Zhou, Z. (2025). YOLOv7-PSA, an intelligent detection model, is designed for assessing the severity of skin burns. *Regenesi Repair Rehabilitation*, 1(2), 80–86. <https://doi.org/10.1016/j.rerere.2025.03.002>

- Masaugi, F. (2024). *DEEP LEARNING MENGGUNAKAN ALGORITMA XCEPTION DAN AUGMENTASI FLIP PADA KLASIFIKASI KEMATANGAN SAWIT*.
- Musaddid, A. T. (2024). Adaptive Bounding Box Coordinate Adjustment on License Plate Character Detection Using Machine Learning. Dalam *Journal of Robotics, Automation, and Electronics Engineering* (Vol. 2, Nomor 1). <https://journal.uny.ac.id/publications/jraee>
- Nascu, A. G. (2025). *BRAIN. Broad Research in Artificial Intelligence and Neuroscience Region of Interest Detection Using AI Techniques and Morphological Operations*. <https://orcid.org/0000-0003-2608-5463>
- Niu, C., Shan, H., & Wang, G. (2022). *SPICE: Semantic Pseudo-labeling for Image Clustering*. <https://doi.org/10.1109/TIP.2022.3221290>
- Perez, L., & Wang, J. (2017). *The Effectiveness of Data Augmentation in Image Classification using Deep Learning*. <http://arxiv.org/abs/1712.04621>
- pfa-ybpb2. (2025). *skin burn Computer Vision Model*. <https://universe.roboflow.com/pfa-ybpb2>
- Pradana, A. I., Harsanto, H., & Wijiyanto, W. (2024). Deteksi Rambu Lalu Lintas Real-Time di Indonesia dengan Penerapan YOLOv11: Solusi Untuk Keamanan Berkendara. *Jurnal Algoritma*, 21(2), 145–155. <https://doi.org/10.33364/algoritma/v.21-2.2106>
- Pratomo, A. H., Kaswidjanti, W., & Mu'arifah, S. (2020). *IMPLEMENTASI ALGORITMA REGION OF INTEREST (ROI) UNTUK MENINGKATKAN PERFORMA ALGORITMA DETEKSI DAN KLASIFIKASI KENDARAAN IMPLEMENTATION OF REGION OF INTEREST (ROI) ALGORITHM TO IMPROVE CAR DETECTION AND CLASSIFICATION ALGORITHM*. 7(1), 155–162. <https://doi.org/10.25126/jtiik.202071718>
- Putu Ary Sri Tjahyanti, L., & Aditya Pratama, P. (2025). DETEKSI OBJEK MENGGUNAKAN CONVOLUTIONAL NEURAL NETWORK (CNN) PADA PENGOLAHAN CITRA DIGITAL. *Jurnal Komputer dan Teknologi Sains (KOMTEKS)*, 4(2). <https://doi.org/10.37637/komteks.v4i2.2594>
- Rahman, M. M., Masry, M. El, Gnyawali, S. C., Xue, Y., Gordillo, G., & Wachs, J. P. (2025). AI-Driven Integrated System for Burn Depth Prediction With Electronic Medical Records: Algorithm Development and Validation. *JMIR Medical Informatics*, 13. <https://doi.org/10.2196/68366>
- Rahman, S., Rahman, M. M., Faezipour, M., Rastgaar, M., Ridelman, E., Klein, J. D., Angst, B. A., & Shanti, C. M. (2024). Enhancing Burn Severity Assessment With

- Deep Learning: A Comparative Analysis and Computational Efficiency Evaluation. *IEEE Access*, 12, 147249–147268. <https://doi.org/10.1109/ACCESS.2024.3476110>
- Rahmati, B., Shirani, S., & Keshavarz-Motamed, Z. (2025). A hybrid approach for enhancing pseudo-labeling in medical images through pseudo-label refinement. *Scientific Reports*, 15(1). <https://doi.org/10.1038/s41598-025-19121-4>
- Redmon, J., Divvala, S., Girshick, R., & Farhadi, A. (t.t.). *You Only Look Once: Unified, Real-Time Object Detection*. Diambil <http://pjreddie.com/yolo/>
- Rostami, B., Niezgoda, J., Gopalakrishnan, S., & Yu, Z. (2021). *Multiclass Burn Wound Image Classification Using Deep Convolutional Neural Networks*. 1–15. <http://arxiv.org/abs/2103.01361>
- Sabancı, K., Aslan, B., & Aslan, M. F. (2026). Medical Image Segmentation Methods: A Decision-Guided Survey Covering 2D/3D CNNs, Transformers, VLMs, SAM-Based Models and Diffusion Approaches. Dalam *Bioengineering* (Vol. 13, Nomor 5). Multidisciplinary Digital Publishing Institute (MDPI). <https://doi.org/10.3390/bioengineering13050555>
- Salloum, S. (2025). K-Means Clustering and Classification of Breast Cancer Images Using Histogram of Oriented Gradients Features and Convolutional Neural Network Models: Diagnostic Image Analysis Study. *JMIR Formative Research*, 9. <https://doi.org/10.2196/71974>
- Sayed Amer, M. S. E.-. (2025). Enhanced Model for Classifying Skin Diseases Using YOLO Technique. *International Journal of Research and Scientific Innovation*, XII(XV), 645–654. <https://doi.org/10.51244/ijrsi.2025.121500058p>
- Şevik, U., Karakullukçu, E., Berber, T., Akbaş, Y., & Türkyilmaz, S. (2019). Automatic classification of skin burn colour images using texture-based feature extraction. *IET Image Processing*, 13(11), 2018–2028. <https://doi.org/10.1049/iet-ipr.2018.5899>
- Şevik, U., & Mutlu, O. (2026). ABC-YOLO: Automated skin burn depth classification using YOLO architectures. *PLOS ONE*, 21(3 March). <https://doi.org/10.1371/journal.pone.0344042>
- Shamia, D., Umapriya, R., Prasad, M. L. M., Chowdhury, R., Kumar, P., & Vishnupriya, K. (2025). Enhancing Skin Cancer Classification with Mixup Data Augmentation and Efficientnet. *Journal of Electronics, Electromedical Engineering, and Medical Informatics*, 7(2), 557–566. <https://doi.org/10.35882/jeeemi.v7i2.703>
- Shin, H., Shin, H., Choi, W., Park, J., Park, M., Koh, E., & Woo, H. (2022). Sample-

- Efficient Deep Learning Techniques for Burn Severity Assessment with Limited Data Conditions. *Applied Sciences (Switzerland)*, 12(14). <https://doi.org/10.3390/app12147317>
- 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>
- Srivastava, U. P., & Fujii, T. (t.t.). *REGION OF INTEREST BASED MEDICAL IMAGE COMPRESSION*.
- Suha, S. A., & Sanam, T. F. (2022). A deep convolutional neural network-based approach for detecting burn severity from skin burn images. *Machine Learning with Applications*, 9(June), 100371. <https://doi.org/10.1016/j.mlwa.2022.100371>
- Surbakti, H., & Munandar, T. A. (2025). K-Means-Based Pseudo-Labeling Technique in Supervised Learning Models for Regional Classification Based on Types of Non-Communicable Diseases. *Jurnal Online Informatika*, 10(2), 465–473. <https://doi.org/10.15575/join.v10i2.1609>
- Syahputra, R. P., Nedwin Mantiri, A., Munif, A. R., Mindara, G. P., & Giri, P. (2026). ANALISIS KINERJA YOLOV11 VS YOLOV8 PADA DATASET DEEPFASHION2: PENERAPAN MODEL TERBARU UNTUK DETEKSI KEPATUHAN PAKAIAN PADA APLIKASI WEB. Dalam *Jurnal Mahasiswa Teknik Informatika* (Vol. 10, Nomor 1).
- Tan, M., & Le, Q. V. (2019). *EfficientNet: Rethinking Model Scaling for Convolutional Neural Networks*.
- Tappi, L. P., & Dewi, C. (2025). Classification of Skin Diseases Using YOLOv11. *INOVTEK Polbeng - Seri Informatika*, 10(2), 1176–1184. <https://doi.org/10.35314/9zv65764>
- Wicaksana, I. C., Anggi Pramunendar, R., Saraswati, G. W., & Alfa Trisnapradika, G. (2025). Skin Lesion Classification Using YOLOv11 on the HAM10000 Dataset. *Inform : Jurnal Ilmiah Bidang Teknologi Informasi dan Komunikasi*, 10(1), 45–52. <https://doi.org/10.25139/inform.v10i1.9310>
- Wisianto, H., Hizkia,), Anglie, R., & Effendi, A. (2025). *Jurnal Ilmu Komputer dan Sistem Informasi KLASIFIKASI DAUN TEBU MENGGUNAKAN PENDEKATAN BERBASIS GRAYSCALE, PCA DAN SVM*.
- Xu, Y., Quan, R., Xu, W., Huang, Y., Chen, X., & Liu, F. (2024). Advances in Medical Image Segmentation: A Comprehensive Review of Traditional, Deep Learning and Hybrid Approaches. Dalam *Bioengineering* (Vol. 11, Nomor 10). Multidisciplinary

Digital Publishing Institute (MDPI).
<https://doi.org/10.3390/bioengineering11101034>

Zhang, X., Zhang, Q., Li, P., You, J., Sun, J., & Zhou, J. (2024). Multi-Feature Extraction and Selection Method to Diagnose Burn Depth from Burn Images. *Electronics (Switzerland)*, 13(18). <https://doi.org/10.3390/electronics13183665>