

DAFTAR PUSTAKA

- Alam, S., Tomar, N.K., Thakur, A., Jha, D. & Rauniyar, A., 2020, Automatic polyp segmentation using U-Net-ResNet50, *CEUR Workshop Proceedings*, 2882, 6–8.
- Albawi, S., Mohammed, T.A. & Al-Zawi, S., 2017, Understanding of a convolutional neural network, *Proceedings of 2017 International Conference on Engineering and Technology, ICET 2017*, 2018-Janua, 1–6.
- Alif, S.S., Promise, N.A., Abid, F. Al & Zereen, A.N., 2025, DCSNet: A Lightweight Knowledge Distillation-Based Model with Explainable AI for Lung Cancer Diagnosis from Histopathological Images, , 1–20. <https://arxiv.org/pdf/2505.09334>,.
- Bag, B.C., Maity, H.K. & Koley, C., 2023, Unet Mobilenetv2: Medical Image Segmentation Using Deep Neural Network (Dnn), *Journal of Mechanics of Continua and Mathematical Sciences*, 18, 1, 21–29. <https://doi.org/10.26782/jmcms.2023.01.00002>,.
- Bansal, K., Saini, M.L., Rahul, Bhardwaj, K. & Prajapati, L., 2023, Acne Skin Disease Detection Using Convolutional Neural Network Model, *Proceedings - International Conference on Technological Advancements in Computational Sciences, ICTACS 2023*, 249–255. <https://doi.org/10.1109/ICTACS59847.2023.10389831>,.
- Belinga, A.G., Tekouabou Koumetio, C.S., El Haziti, M. & El Hassouni, M., 2024, Knowledge Distillation in Image Classification: The Impact of Datasets, *Computers*, 13, 8, 1–21. <https://doi.org/10.3390/computers13080184>,.
- Chincholkar, V., Srivastava, S., Pawanarkar, A. & Chaudhari, S., 2024, Deep Learning Techniques in Liver Segmentation: Evaluating U-Net, Attention U-Net, ResNet50, and ResUNet Models, *Proceedings of the 14th International Conference on Cloud Computing, Data Science and Engineering, Confluence 2024*, 775–779.
- Gazeau, L., Nguyen, H., Nguyen, Z., Lebedeva, M., Nguyen, T., To, T.D., Le Digabel, J., Filiol, J., Josse, G., Perlis, C. & Wolfe, J., 2024, AcneAI: A New Acne Severity Assessment Method Using Digital Images and Deep Learning, *Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)*, 15005 LNCS, 68–78. https://doi.org/10.1007/978-3-031-72086-4_7,.
- Gou, J., Yu, B., Maybank, S.J. & Tao, D., 2021, Knowledge Distillation: A Survey, *International Journal of Computer Vision*, 129, 6, 1789–1819. <https://doi.org/10.1007/s11263-021-01453-z>,.
- Grandini, M., Bagli, E. & Visani, G., 2020, Metrics for Multi-Class Classification: an Overview, , 1–17. <https://arxiv.org/pdf/2008.05756>,.

- Grosan, C. & Abraham, A., 2011, Rule-Based Expert Systems, *Intelligent Systems Reference Library*, 17, 149–185. https://dx.doi.org/10.1007/978-3-642-21004-4_7,.
- He, K., Zhang, X., Ren, S. & Sun, J., 2016, Deep residual learning for image recognition, *Proceedings of the IEEE Computer Society Conference on Computer Vision and Pattern Recognition*, 2016-Decem, 770–778. <https://doi.org/10.1109/CVPR.2016.90>,.
- Hinton, G., Vinyals, O. & Dean, J., 2015, Distilling the Knowledge in a Neural Network, , 1–9. <http://arxiv.org/abs/1503.02531>,.
- Howard, A.G., Zhu, M., Chen, B., Kalenichenko, D., Wang, W., Weyand, T., Andreetto, M. & Adam, H., 2017, MobileNets: Efficient Convolutional Neural Networks for Mobile Vision Applications, <http://arxiv.org/abs/1704.04861>,.
- Huang, G., Liu, Z., Van Der Maaten, L. & Weinberger, K.Q., 2017, Densely connected convolutional networks, *Proceedings - 30th IEEE Conference on Computer Vision and Pattern Recognition, CVPR 2017*, 2017-Janua, 2261–2269. <https://doi.org/10.1109/CVPR.2017.243>,.
- Hullermeier, E., Furnkranz, J., Mencia, E.L., Nguyen, V.-L. & Rapp, M., 2020, Rule-Based Multi-label Classification : Challenges and Opportunities Rule-based Multi-label Classification : Challenges and Opportunities, *Lecture Notes in Computer Science*, 12173, August, 3–19.
- Huynh, Q.T., Nguyen, P.H., Le, H.X., Ngo, L.T., Trinh, N.T., Tran, M.T.T., Nguyen, H.T., Vu, N.T., Nguyen, A.T., Suda, K., Tsuji, K., Ishii, T., Ngo, T.X. & Ngo, H.T., 2022, Automatic Acne Object Detection and Acne Severity Grading Using Smartphone Images and Artificial Intelligence, *Diagnostics*, 12, 8, 1–13. <https://doi.org/10.3390/diagnostics12081879>,.
- Lecun, Y., Bengio, Y. & Hinton, G., 2015, Deep learning, *Nature*, 521, 7553, 436–444.
- Lin, Y., Jiang, J., Chen, D., Ma, Z., Guan, Y., Liu, X., You, H., Yang, J. & Cheng, X., 2022, Acne Severity Grading on Face Images via Extraction and Guidance of Prior Knowledge, *Proceedings - 2022 IEEE International Conference on Bioinformatics and Biomedicine, BIBM 2022*, 1639–1643. <https://doi.org/10.1109/BIBM55620.2022.9995101>,.
- Lin, Y., Jiang, J., Ma, Z., Chen, D., Guan, Y., You, H., Cheng, X., Liu, B. & Luo, G., 2022, KIEGLFN: A unified acne grading framework on face images, *Computer Methods and Programs in Biomedicine*, 221, 106911. <https://doi.org/10.1016/j.cmpb.2022.106911>,.
- Lin, Y., Jiang, J., Chen, D., Ma, Z., Guan, Y., Liu, X., You, H. & Yang, J., 2023, DED: Diagnostic Evidence Distillation for acne severity grading on face images, *Expert Systems with Applications*, 228, April, 120312. <https://doi.org/10.1016/j.eswa.2023.120312>,.

- Min, K., Lee, G.H. & Lee, S.W., 2021, ACNet: Mask-Aware Attention with Dynamic Context Enhancement for Robust Acne Detection, *Conference Proceedings - IEEE International Conference on Systems, Man and Cybernetics*, 2724–2729. <https://doi.org/10.1109/SMC52423.2021.9659243>,.
- Naidu, K., Kareppa, O., Menon, S., Bhole, C. & Poojary, S., 2023, Dermato: A Deep Learning based Application for Acne Subtype and Severity Detection, *International Conference on Innovative Data Communication Technologies and Application, ICIDCA 2023 - Proceedings*, 569–574. <https://doi.org/10.1109/ICIDCA56705.2023.10100165>,.
- Ramadhani, F., Rahardiantoro, S. & Masjkur, M., 2024, Acne Severity Classification Study Using Convolutional Neural Network Algorithm with MobileNetV2 Architecture, *Indonesian Journal of Statistics and Its Applications*, 8, 2, 112–128. <http://dx.doi.org/10.29244/ijsa.v8i2p112-128>,.
- Rezatofighi, H., Tsoi, N., Gwak, J., Sadeghian, A., Reid, I. & Savarese, S., 2019, Generalized intersection over union: A metric and a loss for bounding box regression, *Proceedings of the IEEE Computer Society Conference on Computer Vision and Pattern Recognition*, 2019-June, 658–666. <https://doi.org/10.1109/CVPR.2019.00075>,.
- Ronneberger, O., Fischer, P. & Brox, T., 2015, UNet: Convolutional Networks for Biomedical Image Segmentation, *IEEE Access*, 9351, 16591–16603. <https://dx.doi.org/10.1109/ACCESS.2021.3053408>,.
- Russakovsky, O., Deng, J., Su, H., Krause, J., Satheesh, S., Ma, S., Huang, Z., Karpathy, A., Khosla, A., Bernstein, M., Berg, A.C. & Fei-Fei, L., 2015, ImageNet Large Scale Visual Recognition Challenge, *International Journal of Computer Vision*, 115, 3, 211–252.
- Shaik, A., Kanichai, J.J., Kurumthottam, A.B., Garg, V. & Ananthakrishnan, B., 2025, An experimental evaluation of deep learning-based models for acne severity classification in humans, *Connection Science*, 37, 1. <https://doi.org/10.1080/09540091.2025.2533867>,.
- Shi, W., Cao, J., Zhang, Q., Li, Y. & Xu, L., 2016, Edge Computing: Vision and Challenges, *IEEE Internet of Things Journal*, 3, 5, 637–646.
- Sifatullah, N. & Zulkarnain, 2021, Jerawat (Acne vulgaris): Review Penyakit Infeksi Pada Kulit, *Prosiding Biologi Achieving the Sustainable Development Goals* , , November, 19–23. <http://journal.uin-alaududin.ac.id/index.php/psb>,.
- Simonyan, K. & Zisserman, A., 2015, Very deep convolutional networks for large-scale image recognition, *3rd International Conference on Learning Representations, ICLR 2015 - Conference Track Proceedings*, 1–14. <https://arxiv.org/pdf/1409.1556v1>,.
- Suryani, A., 2020, Faktor-Faktor yang Memengaruhi Pigmentasi Manusia, *Cermin Dunia Kedokteran*, 47, 11, 682. <https://doi.org/10.55175/cdk.v47i11.1195>,.

- Tan, M. & Le, Q. V., 2019, EfficientNet: Rethinking model scaling for convolutional neural networks, *36th International Conference on Machine Learning, ICML 2019*, 2019-June, 10691–10700. <https://doi.org/10.48550/arXiv.1905.11946>,.
- Wu, X., Wen, N., Liang, J., Lai, Y.K., She, D., Cheng, M.M. & Yang, J., 2019, Joint acne image grading and counting via label distribution learning, *Proceedings of the IEEE International Conference on Computer Vision*, 2019-Octob, Iccv, 10641–10650. <https://doi.org/10.1109/ICCV.2019.01074>,.
- Zewen Li, Fan Liu, Wenjie Yang, Shouheng Peng & Jun Zhou, 2021, A survey of convolutional neural networks: analysis, applications, and prospects, *IEEE transactions on neural networks and learning systems*, 33, 12, 6999–7019.