

## DAFTAR PUSTAKA

- Abbood, S. H., Hamed, H. N. A., Rahim, M. S. M., Rehman, A., Saba, T. dan Bahaj, S. A. (2022). Hybrid retinal image enhancement algorithm for diabetic retinopathy diagnostic using deep learning model, *IEEE Access* **10**: 73079–73086.
- Aina, S., Sholesi, K. V., Lawal, A., Okegbile, S. D. dan Oluwaranti, A. I. (2020). Gesture recognition system for nigerian tribal greeting postures using support vector machine, *Malaysian Journal of Computing* **5**(2).  
**URL:** <https://doi.org/10.24191/mjoc.v5i2.10347>
- Al-ahmadi, R., Al-ghamdi, H. dan Hsairi, L. (2024). Classification of diabetic retinopathy by deep learning, *International Journal of Online and Biomedical Engineering (iJOE)* **20**(01): 74–88.  
**URL:** <https://doi.org/10.3991/ijoe.v20i01.45247>
- Alwakid, G., Gouda, W. dan Humayun, M. (2023). Enhancement of diabetic retinopathy prognostication using deep learning, clahe, and esrgan, *Diagnostics* **13**(14): 2375.  
**URL:** <http://dx.doi.org/10.3390/diagnostics13142375>
- Alwakid, G., Gouda, W., Humayun, M. dan Jhanjhi, N. Z. (2023). Deep learning-enhanced diabetic retinopathy image classification, *DIGITAL HEALTH* **9**.  
**URL:** <https://journals.sagepub.com/doi/full/10.1177/20552076231194942>
- Anavyanto, A. F., Maimunah, M., Yudianto, M. R. A. dan Sukmasetya, P. (2023). Efficientnetv2m for image classification of tomato leaf diseases, *PIKSEL: Penelitian Ilmu Komputer Sistem Embedded and Logic* **11**(1): 55–76.  
**URL:** <http://dx.doi.org/10.33558/piksel.v11i1.5925>
- Bhimavarapu, U. dan Battineni, G. (2023). Deep learning for the detection and classification of diabetic retinopathy with an improved activation function, *Healthcare* **11**(1): 97.  
**URL:** <https://doi.org/10.3390/healthcare11010097>
- Bhoopal, S., Rao, M. dan Krishnappa, C. H. (2024). Enhanced diabetic retinopathy detection and classification using fundus images with resnet50 and clahe-gan, *Indonesian Journal of Electrical Engineering and Computer Science* **35**(1): 366.  
**URL:** <http://dx.doi.org/10.11591/ijeecs.v35.i1.pp366-377>

- Bidwai, P., Gite, S., Patwa, K., Maheshwari, K., Bais, T. S. dan Batavia, K. (2023). Detection of diabetic retinopathy using deep learning, *2023 IEEE 8th International Conference for Convergence in Technology (I2CT)* pp. 1–8.
- Chen, C. dan Hu, N.-T. (2023). Eye-in-hand robotic arm gripping system based on machine learning and state delay optimization, *Sensors*.
- Devanshi, Baliarsingh, S. K. dan Dev, P. P. (2023). An early diagnosis of diabetic retinopathy using convnext, *2023 10th International Conference on Signal Processing and Integrated Networks (SPIN)*, Vol. 7, IEEE, p. 739–743.  
**URL:** <http://dx.doi.org/10.1109/SPIN57001.2023.10116214>
- Golkonda, R. M., Menon, V. dan Nambiar, V. (2022). Automated aspects classification in acute ischemic stroke using efficientnetv2, *2022 IEEE 7th International conference for Convergence in Technology (I2CT)*, Vol. 3, IEEE, p. 1–6.  
**URL:** <http://dx.doi.org/10.1109/I2CT54291.2022.9824809>
- Gonzalez, R. C. dan Woods, R. E. (2017). *Digital Image Processing*, 4 edn, Pearson, Upper Saddle River, NJ.
- Hana, F. M. dan Maulida, I. D. (2021). Analysis of contrast limited adaptive histogram equalization (clahe) parameters on finger knuckle print identification, *Journal of Physics: Conference Series* **1764**(1): 012049.  
**URL:** <http://dx.doi.org/10.1088/1742-6596/1764/1/012049>
- Hayati, M., Muchtar, K., Roslidar, Maulina, N., Syamsuddin, I., Elwirehardja, G. N. dan Pardamean, B. (2023). Impact of clahe-based image enhancement for diabetic retinopathy classification through deep learning, *Procedia Computer Science* **216**: 57–66. 7th International Conference on Computer Science and Computational Intelligence 2022.  
**URL:** <https://www.sciencedirect.com/science/article/pii/S1877050922021895>
- Ioffe, S. dan Szegedy, C. (2015). Batch normalization: Accelerating deep network training by reducing internal covariate shift.  
**URL:** <https://arxiv.org/abs/1502.03167>
- Jabbar, M. K., Yan, J., Xu, H., Ur Rehman, Z. dan Jabbar, A. (2022). Transfer learning-based model for diabetic retinopathy diagnosis using retinal images, *Brain Sci.* **12**(5).

- Jang, H. dan Tong, F. (2024). Improved modeling of human vision by incorporating robustness to blur in convolutional neural networks, *Nat. Commun.* **15**(1): 1989.
- Kasim, Ö. (2023). Ensemble classification based optimized transfer learning feature method for early stage diagnosis of diabetic retinopathy, *J. Ambient Intell. Humaniz. Comput.* **14**(8): 11337–11348.
- Kumar, Y., Koul, A., Singla, R. dan Ijaz, M. F. (2023). Artificial intelligence in disease diagnosis: a systematic literature review, synthesizing framework and future research agenda, *Journal of Ambient Intelligence and Humanized Computing* **14**: 8459–8486.  
**URL:** <https://doi.org/10.1007/s12652-021-03612-z>
- Kwon, H., Oh, K. C., Choi, Y., Chung, Y. G. dan Kim, J. (2021). Development and application of machine learning-based prediction model for distillation column, *International Journal of Intelligent Systems*.
- Lands, A., Kottarathil, A. J., Biju, A., Jacob, E. M. dan Thomas, S. (2020). Implementation of deep learning based algorithms for diabetic retinopathy classification from fundus images, *2020 4th International Conference on Trends in Electronics and Informatics (ICOEI)*(48184), pp. 1028–1032.
- Lazuardi, R. N., Abiwinanda, N., Suryawan, T. H., Hanif, M. dan Handayani, A. (2020). Automatic diabetic retinopathy classification with efficientnet, *2020 IEEE REGION 10 CONFERENCE (TENCON)*, pp. 756–760.
- Li, Z., Fang, X., Zhen, T. dan Zhu, Y. (2023). Detection of wheat yellow rust disease severity based on improved ghostnetv2, *Applied Sciences* **13**(17).  
**URL:** <https://www.mdpi.com/2076-3417/13/17/9987>
- Lin, K., Hsih, W., Lin, Y., Wen, C. dan Chang, T. (2021). Update in the epidemiology, risk factors, screening, and treatment of diabetic retinopathy, *Journal of Diabetes Investigation* **12**(8): 1322–1325.  
**URL:** <http://dx.doi.org/10.1111/jdi.13480>
- Markoulidakis, I., Rallis, I., Georgoulas, I., Kopsiaftis, G., Doulamis, A. dan Doulamis, N. (2021). Multiclass confusion matrix reduction method and its application on net promoter score classification problem, *Technologies* **9**(4).  
**URL:** <https://www.mdpi.com/2227-7080/9/4/81>

Mishra, S., Hanchate, S. dan Saquib, Z. (2020). Diabetic retinopathy detection using deep learning, *2020 International Conference on Smart Technologies in Computing, Electrical and Electronics (ICSTCEE)* pp. 515–520.

**URL:** <https://ieeexplore.ieee.org/document/9277506>

Nadkarni, S. dan Noronha, K. (2024). Breast cancer detection using ensemble of convolutional neural networks, *International Journal of Electrical and Computer Engineering (IJECE)* **14**(1): 1041.

**URL:** <http://dx.doi.org/10.11591/ijece.v14i1.pp1041-1047>

Niaz, H., Tajrian, N., Alam, M. A. I., Limon, M. S. K. dan Saha, S. (2023). Evaluating the effectiveness of cnn-based models for diabetic retinopathy detection. This thesis is submitted in partial fulfillment of the requirements for the degree of Bachelor of Science in Computer Science and Engineering, 2023. Includes bibliographical references (pages 51-54).

**URL:** <http://hdl.handle.net/10361/22186>

Nwankpa, C., Ijomah, W., Gachagan, A. dan Marshall, S. (2018). Activation functions: Comparison of trends in practice and research for deep learning.

**URL:** <https://arxiv.org/abs/1811.03378>

Patil, N., Ingole, K. dan Mangala, T. R. (2020). Deep convolutional neural networks approach for classification of lung diseases using x-rays: Covid-19, pneumonia, and tuberculosis, *International Journal of Performability Engineering* **16**(9): 1332–1340.

Peiris, M. S. H. dan Sotheeswaran, S. (2021). A tree structure-based classification of diabetic retinopathy stages using convolutional neural network, *2021 International Research Conference on Smart Computing and Systems Engineering (SCSE)*, IEEE, p. 65–70.

**URL:** <http://dx.doi.org/10.1109/SCSE53661.2021.9568361>

Sandler, M., Howard, A., Zhu, M., Zhmoginov, A. dan Chen, L.-C. (2018). MobileNetV2: Inverted residuals and linear bottlenecks, *The IEEE Conference on Computer Vision and Pattern Recognition (CVPR)*.

Sarker, I. H. (2021). Deep learning: A comprehensive overview on techniques, taxonomy, applications and research directions, *SN Computer Science* **2**(6).

**URL:** <http://dx.doi.org/10.1007/s42979-021-00815-1>

- Sree Vidya, B. dan Chandra, E. (2019). Triangular fuzzy membership-contrast limited adaptive histogram equalization (tfm-clahe) for enhancement of multimodal biometric images, *Wireless Personal Communications* **106**(2): 651–680.  
**URL:** <http://dx.doi.org/10.1007/s11277-019-06184-6>
- Tan, M. dan Le, Q. V. (2021). Efficientnetv2: Smaller models and faster training.  
**URL:** <https://arxiv.org/abs/2104.00298>
- Tummala, S., Thadikemalla, V. S. G., Kadry, S., Sharaf, M. dan Rauf, H. T. (2023). Efficientnetv2 based ensemble model for quality estimation of diabetic retinopathy images from deepdrid, *Diagnostics* **13**(4).  
**URL:** <https://www.mdpi.com/2075-4418/13/4/622>
- Vakalopoulou, M., Christodoulidis, S., Burgos, N., Colliot, O. dan Lepetit, V. (2023). *Deep Learning: Basics and Convolutional Neural Networks (CNNs)*, Springer US, pp. 77–115.  
**URL:** [http://dx.doi.org/10.1007/978-1-0716-3195-9\\_3](http://dx.doi.org/10.1007/978-1-0716-3195-9_3)
- Vipparthi, V., Rao, D. R., Mullu, S. dan Patlolla, V. (2022). Diabetic retinopathy classification using deep learning techniques, *2022 3rd International Conference on Electronics and Sustainable Communication Systems (ICESC)* pp. 840–846.
- Wanto, A., Yuhandri, Y. dan Okfalisa, O. (2023). Optimization accuracy of cnn model by utilizing clahe parameters in image classification problems, *2023 International Conference on Networking, Electrical Engineering, Computer Science, and Technology (IconNECT)*, pp. 253–258.
- World Health Organization (2020). *Diabetic retinopathy screening: a short guide. Increase effectiveness, maximize benefits and minimize harm.*, World Health Organization. Accessed: 2024-07-16.  
**URL:** <https://iris.who.int/bitstream/handle/10665/336660/9789289055321-eng.pdf>