

DAFTAR PUSTAKA

- Aatila, M., Lachgar, M., Hrimech, H., & Kartit, A. (2021). Diabetic Retinopathy Classification Using ResNet50 and VGG-16 Pretrained Networks. *International Journal of Computer Engineering and Data Science (IJCEDS)*, 1(1 SE-Articles), 1–7.
- Abdullah, S. H., Magdalena, R., & Fu'adah, R. Y. N. (2022). Klasifikasi Diabetic Retinopathy Berbasis Pengolahan Citra Fundus Dan Deep Learning. *Journal of Electrical and System Control Engineering*, 5(2), 84–90.
- Albahli, S., & Yar, G. N. A. H. (2022). Automated detection of diabetic retinopathy using custom convolutional neural network. *Journal of X-Ray Science and Technology*, 30(2), 275–291.
- Al-Moosawi, N. M., & Khudeyer, R. S. (2021). ResNet-34/DR: A Residual Convolutional Neural Network for the Diagnosis of Diabetic Retinopathy. *Informatica (Slovenia)*, 45(7), 115–124.
- Alyoubi, W. L., Shalash, W. M., & Abulkhair, M. F. (2020). Diabetic retinopathy detection through deep learning techniques: A review. *Informatics in Medicine Unlocked*, 20.
- Ardakani, A. A., Kanafi, A. R., Acharya, U. R., Khadem, N., & Mohammadi, A. (2020). Application of deep learning technique to manage COVID-19 in routine clinical practice using CT images: Results of 10 convolutional neural networks. *Computers in Biology and Medicine*, 121(March), 103795.

- Asia, A. O., Zhu, C. Z., Althubiti, S. A., Al-Alimi, D., Xiao, Y. L., Ouyang, P. B., & Al-Qaness, M. A. A. (2022). Detection of Diabetic Retinopathy in Retinal Fundus Images Using CNN Classification Models. *Electronics (Switzerland)*, 11(17).
- Azizah, A. N. (2021). *Klasifikasi Penyakit Diabetic Retinopathy Menggunakan Metode Convolutional Neural Network (CNN) Model Deep Residual Network (Resnet)* [Doctoral dissertation]. Universitas Islam Negeri Sunan Ampel Surabaya.
- Bendjillali, R. I., Beladgham, M., Merit, K., & Taleb-Ahmed, A. (2020). Illumination-robust Face Recognition Based on Deep Convolutional Neural Networks Architectures. *Indonesian Journal of Electrical Engineering and Computer Science*, 18(2), 1015–1027.
- Bhimavarapu, U., & Battineni, G. (2023). Deep Learning for the Detection and Classification of Diabetic Retinopathy with an Improved Activation Function. *Healthcare (Switzerland)*, 11(1), 1–13.
- Brownlee, J. (2017). *Gentle Introduction to the Adam Optimization Algorithm for Deep Learning*. <https://machinelearningmastery.com/adam-optimization-algorithm-for-deep-learning/>
- Brownlee, J. (2019). *How to Choose Loss Functions When Training Deep Learning Neural Networks*. <https://machinelearningmastery.com/how-to-choose-loss-functions-when-training-deep-learning-neural-networks/>
- Chua, J., Sim, R., Tan, B., Wong, D., Yao, X., Liu, X., Ting, D. S. W., Schmidl, D., Ang, M., Garhöfer, G., & Schmetterer, L. (2020). Optical coherence tomography angiography in diabetes and diabetic retinopathy. *Journal of Clinical Medicine*, 9(6), 1–23.

- Demir, A., Yilmaz, F., & Kose, O. (2019). Early detection of skin cancer using deep learning architectures: Resnet-101 and inception-v3. *TIPTEKNO 2019 - Tip Teknologileri Kongresi, 2019-Janua*, 3–6.
- Faurina, R., Purwandari, E. P., Pratama, M. T., & Agustian, I. (2021). Klasifikasi Level Non-Proliferatif Retinopati Diabetik Dengan Ensemble Convolutional Neural Network. *Pseudocode*, 8(1), 1–10.
- Gouda, N., & Amudha, J. (2020). Skin Cancer Classification using ResNet. *2020 IEEE 5th International Conference on Computing Communication and Automation, ICCCA 2020*, 536–541.
- Gregory, N. (2021). *Diabetic Retinopathy: Causes, Symptoms, Treatment - American Academy of Ophthalmology*. <https://www.aaopt.org/eye-health/diseases/what-is-diabetic-retinopathy>
- Handono, S. F., Fetty, T. A., & Basuki, R. (2020). Implementasi Convolutional Neural Network (CNN) Untuk Deteksi Retinopati Diabetik. *Jurnal Informatika Dan Sistem Informasi (JIFoSI)*, 1(1), 669–678.
- Johnson, J. M., & Khoshgoftaar, T. M. (2019). Survey on Deep Learning with Class Imbalance. *Journal of Big Data*, 6(1).
- Khan, Z., Khan, F. G., Khan, A., Rehman, Z. U., Shah, S., Qummar, S., Ali, F., & Pack, S. (2021). Diabetic Retinopathy Detection Using VGG-NIN a Deep Learning Architecture. *IEEE Access*, 9, 61408–61416.
- Komunitas Ilmuwan dan Profesional Muslim Indonesia. (2018). *Teknologi Kecerdasan Buatan dan Aplikasinya di Bidang Kedokteran*. <https://kipmi.or.id/teknologi-kecerdasan-buatan-dan-aplikasinya-di-bidang-kedokteran.html>

- Lavanya, S., & Naveen, P. (2022). Detection of Retinal Neovascularization Using Optimized Deep Convolutional Neural Networks. *Journal of Trends in Computer Science and Smart Technology*, 4(1), 38–49.
- Li, Z., Liu, F., Yang, W., Peng, S., & Zhou, J. (2022). A Survey of Convolutional Neural Networks: Analysis, Applications, and Prospects. *IEEE Transactions on Neural Networks and Learning Systems*, 33(12), 6999–7019.
- Mayo Clinic. (2021). *Diabetic Retinopathy Symptoms and Causes*. <https://www.mayoclinic.org/diseases-conditions/diabetic-retinopathy/symptoms-causes/syc-20371611>
- Menaouer, B., Dermane, Z., El Houda Kebir, N., & Matta, N. (2022). Diabetic Retinopathy Classification Using Hybrid Deep Learning Approach. *SN Computer Science*, 3(5).
- National Eye Institute. (2022). *Diabetic Retinopathy*. <https://www.nei.nih.gov/learn-about-eye-health/eye-conditions-and-diseases/diabetic-retinopathy>
- Porwal, P., Pachade, S., Kamble, R., Kokare, M., Deshmukh, G., Sahasrabuddhe, V., & Meriaudeau, F. (2018). *Indian Diabetic Retinopathy Image Dataset (IDRiD): A Database for Diabetic Retinopathy Screening Research*.
- Porwal, P., Pachade, S., Kokare, M., Deshmukh, G., Son, J., Bae, W., Liu, L., Wang, J., Liu, X., Gao, L., Wu, T. B., Xiao, J., Wang, F., Yin, B., Wang, Y., Danala, G., He, L., Choi, Y. H., Lee, Y. C., ... Mériaudeau, F. (2020). IDRiD: Diabetic Retinopathy – Segmentation and Grading Challenge. *Medical Image Analysis*, 59.
- Qummar, S., Khan, F. G., Shah, S., Khan, A., Shamshirband, S., Rehman, Z. U., Khan, I. A., & Jadoon, W. (2019). A Deep Learning Ensemble Approach for Diabetic Retinopathy Detection. *IEEE Access*, 7, 150530–150539.

- Rahayu Widhyasti, dr. Mayang Rini, SpM(K), Ms. (2023). Optimalisasi Layanan Telemedicine pada Model Skrining Retinopati Diabetika. *Departemen Ilmu Kesehatan Mata Fakultas Kedokteran Universitas Padjadjaran Pusat Mata Nasional Rumah Sakit Mata Cicendo Bandung*.
<https://perpustakaanrsmcicendo.com/wp-content/uploads/2023/01/S34.pdf>
- Reddy, A. S. B., & Juliet, D. S. (2019). Transfer learning with RESNET-50 for malaria cell-image classification. *Proceedings of the 2019 IEEE International Conference on Communication and Signal Processing, ICCSP 2019*, 945–949.
- Sarwinda, D., Paradisa, R. H., Bustamam, A., & Anggia, P. (2021). Deep Learning in Image Classification using Residual Network (ResNet) Variants for Detection of Colorectal Cancer. *Procedia Computer Science*, 179, 423–431.
- Shorten, C., & Khoshgoftaar, T. M. (2019). A survey on Image Data Augmentation for Deep Learning. *Journal of Big Data*, 6(1).
- Shunk, J. (2022). *Neuron-Specific Dropout: A Deterministic Regularization Technique to Prevent Neural Networks from Overfitting & Reduce Dependence on Large Training Samples*.
- Srivastava, N., Hinton, G., Krizhevsky, A., & Salakhutdinov, R. (2014). Dropout: A Simple Way to Prevent Neural Networks from Overfitting. In *Journal of Machine Learning Research* (Vol. 15).
- Wong, T. Y., Sun, J., Kawasaki, R., Ruamviboonsuk, P., Gupta, N., Lansingh, V. C., Maia, M., Mathenge, W., Moreker, S., Muqit, M. M. K., Resnikoff, S., Verdaguer, J., Zhao, P., Ferris, F., Aiello, L. P., & Taylor, H. R. (2018). Guidelines on Diabetic Eye Care: The International Council of Ophthalmology Recommendations for

Screening, Follow-up, Referral, and Treatment Based on Resource Settings. In *Ophthalmology* (Vol. 125, Issue 10, pp. 1608–1622). Elsevier Inc.

World Health Organization. (2022). *Blindness and vision impairment*.
<https://www.who.int/news-room/fact-sheets/detail/blindness-and-visual-impairment>

Wulandari, C. D. R., Wibowo, S. A., & Novamizanti, L. (2019). *Klasifikasi Diabetes Retinopati Menggunakan Metode Statistical Region Merging Dan Convolutional Neural Network Classification of Diabetic Retinopathy Using Statistical Region Merging And Convolutional Neural Network* [E-Proceeding of Engineering]. Universitas Telkom.

