

DAFTAR PUSTAKA

- [1] S. Kingman, "Glaucoma is second leading cause of blindness globally.," *Bulletin of the World Health Organization*, vol. 82, no. 11. World Health Organization, pp. 887–888, Nov. 2004.
- [2] "Convolutional Neural Network: A Complete Guide." Accessed: May 09, 2024. [Online]. Available: <https://learnopencv.com/understanding-convolutional-neural-networks-cnn/>
- [3] "Retina - Definition and Detailed Illustration." Accessed: May 09, 2024. [Online]. Available: <https://www.allaboutvision.com/resources/retina.htm>
- [4] "Glaucoma: Definition, Symptoms, Types, Causes, Diagnosis, and Treatments." Accessed: May 09, 2024. [Online]. Available: <https://www.oscarwylee.com.au/glasses/eye/glaucoma>
- [5] R. Khalkar, A. Dikhit, and A. Goel, "Handwritten Text Recognition using Deep Learning (CNN & RNN)," *IARJSET*, vol. 8, pp. 870–881, Jun. 2021, doi: 10.17148/IARJSET.2021.86148.
- [6] .R. Kashyap, R. Nair, S. M. P. Gangadharan, M. Botto-Tobar, S. Farooq, and A. Rizwan, "Glaucoma Detection and Classification Using Improved U-Net Deep Learning Model," *Healthcare*, vol. 10, no. 12, 2022, doi: [10.3390/healthcare10122497](https://doi.org/10.3390/healthcare10122497).
- [7] S. Joshi, B. Partibane, W. A. Hatamleh, H. Tarazi, C. S. Yadav, and D. Krah, "Glaucoma Detection Using Image Processing and Supervised Learning for Classification," *Journal of Healthcare Engineering*, vol. 2022, p. 2988262, Mar. 2022, doi: [10.1155/2022/2988262](https://doi.org/10.1155/2022/2988262).
- [8] S. Saha, J. Vignarajan, and S. Frost, "A fast and fully automated system for glaucoma detection using color fundus photographs.," *Sci Rep*, vol. 13, no. 1, p. 18408, Oct. 2023, doi: [10.1038/s41598-023-44473-0](https://doi.org/10.1038/s41598-023-44473-0).
- [9] S. Gheisari et al., "A combined convolutional and recurrent neural network for enhanced glaucoma detection.," *Sci Rep*, vol. 11, no. 1, p. 1945, Jan. 2021, doi: 10.1038/s41598-021-81554-4.



- [10] W. Song, I.-C. Lai, and Y.-Z. Su, "A Statistical Robust Glaucoma Detection Framework Combining Retinex, CNN, and DOE Using Fundus Images," *IEEE Access*, vol. 9, pp. 103772–103783, Jan. 2021, doi: 10.1109/ACCESS.2021.3098032.
- [11] D. Pascolini and S. P. Mariotti, "Global estimates of visual impairment: 2010," *Br J Ophthalmol*, vol. 96, no. 5, pp. 614–618, May 2012, doi: [10.1136/bjophthalmol-2011-300539](https://doi.org/10.1136/bjophthalmol-2011-300539).
- [12] H. A. Quigley, "Open-angle glaucoma," *N Engl J Med*, vol. 328, no. 15, pp. 1097–1106, Apr. 1993, doi: [10.1056/NEJM199304153281507](https://doi.org/10.1056/NEJM199304153281507).
- [13] M. C. Leske, A. Heijl, L. Hyman, and B. Bengtsson, "Early manifest glaucoma trial: Design and baseline data," *Ophthalmology*, vol. 106, no. 11, pp. 2144–2153, Nov. 1999, doi: [10.1016/S0161-6420\(99\)90497-9](https://doi.org/10.1016/S0161-6420(99)90497-9).
- [14] F. S. H. Mazinani, S. Mayadani, S. Mosaffa, et al., "Squid as a Model Organism-Part 3: Ocular Morphology and its Implications in Biomimicry for Human Ophthalmology," in *West Kazakhstan Marat Ospanov Medical University Journal*, 2024. [Online]. Available: <https://knepublishing.com/index.php/wkmj/article/view/15678>
- [15] "Retina - Definition and Detailed Illustration." Accessed: May 09, 2024. [Online]. Available: <https://www.allaboutvision.com/resources/retina.htm>
- [16] R. N. Weinreb, T. Aung, and F. A. Medeiros, "The pathophysiology and treatment of glaucoma: a review," *JAMA*, vol. 311, no. 18, pp. 1901–1911, May 2014, doi: [10.1001/jama.2014.3192](https://doi.org/10.1001/jama.2014.3192).
- [17] Y.-C. Tham, X. Li, T. Y. Wong, H. A. Quigley, T. Aung, and C.-Y. Cheng, "Global prevalence of glaucoma and projections of glaucoma burden through 2040: a systematic review and meta-analysis," *Ophthalmology*, vol. 121, no. 11, pp. 2081–2090, Nov. 2014, doi: [10.1016/j.ophttha.2014.05.013](https://doi.org/10.1016/j.ophttha.2014.05.013).
- [18] Eyemantra, "Visual Field Test | Uses, Procedure, Types And Cost," *EyeMantra*. Accessed: Apr. 16, 2024. [Online]. Available: <https://eyemantra.in/glaucoma/visual-field-tests/>



- [19] “What Is A Visual Field Test? - Glaucoma Research Foundation.” Accessed: Mar. 23, 2024. [Online]. Available: <https://glaucoma.org/articles/what-is-a-visual-field-test>
- [20] “Ophthalmoscopy Of Retinal Embolism In Patient Eye Photograph by Sue Ford/science Photo Library - Pixels.” Accessed: Mar. 23, 2024. [Online]. Available: <https://pixels.com/featured/ophthalmoscopy-of-retinal-embolism-in-patient-eye-sue-fordscience-photo-library.html>
- [21] C. Ma, D. Cheng, C. Xu, and Y. Wang, “Design, simulation and experimental analysis of an anti-stray-light illumination system of fundus camera,” *Proceedings of SPIE - The International Society for Optical Engineering*, vol. 9272, Nov. 2014, doi: 10.1117/12.2073619.
- [22] Z. Saleh, “Artificial Intelligence Definition, Ethics and Standards,” Apr. 2019.
- [23] S. Russell and P. Norvig, *Artificial Intelligence: A Modern Approach, Global Edition*. Pearson Education, 2016. [Online]. Available: https://books.google.co.id/books?id=_BV6DAAAQBAJ
- [24] “Understanding PEAS in Artificial Intelligence,” *GeeksforGeeks*. Accessed: Mar. 23, 2024. [Online]. Available: <https://www.geeksforgeeks.org/understanding-peas-in-artificial-intelligence/>
- [25] R. Khalkar, A. Dikhit, and A. Goel, “Handwritten Text Recognition using Deep Learning (CNN & RNN),” *IARJSET*, vol. 8, pp. 870–881, Jun. 2021, doi: 10.17148/IARJSET.2021.86148.
- [26] “The Machine Learning Life Cycle Explained.” Accessed: Mar. 12, 2024. [Online]. Available: <https://www.datacamp.com/blog/machine-learning-lifecycle-explained>
- [27] datasans.id, *Deep Learning Cheatsheet : Panduan Lengkap untuk Pemula*. in Artificial Intelligence. 2023.
- [28] R. Qamar and B. Zardari, “Artificial Neural Networks: An Overview,” *Mesopotamian Journal of Computer Science*, vol. 2023, pp. 130–139, Aug. 2023, doi: [10.58496/MJCSC/2023/015](https://doi.org/10.58496/MJCSC/2023/015).



- [29] I. H. Sarker, “Deep Learning: A Comprehensive Overview on Techniques, Taxonomy, Applications and Research Directions,” *SN Computer Science*, vol. 2, no. 6, p. 420, Aug. 2021, doi: [10.1007/s42979-021-00815-1](https://doi.org/10.1007/s42979-021-00815-1).
- [30] “Hyperparameters in Machine Learning - Javatpoint,” www.javatpoint.com. Accessed: Mar. 19, 2024. [Online]. Available: <https://www.javatpoint.com/hyperparameters-in-machine-learning>
- [31] C. Shorten and T. Khoshgoftaar, “A survey on Image Data Augmentation for Deep Learning,” *Journal of Big Data*, vol. 6, Jul. 2019, doi: [10.1186/s40537-019-0197-0](https://doi.org/10.1186/s40537-019-0197-0).
- [32] C. Igiri, A. Uzoma, and A. Silas, “Effect of Learning Rate on Artificial Neural Network in Machine Learning,” *International Journal of Engineering Research*, vol. 4, Jun. 2021.
- [33] C. Blum *et al.*, “Evolutionary Optimization,” in *Variants of Evolutionary Algorithms for Real-World Applications*, 2012, pp. 1–29. doi: [10.1007/978-3-642-23424-8_1](https://doi.org/10.1007/978-3-642-23424-8_1).
- [34] J. Kennedy and R. Eberhart, “Particle swarm optimization,” in *Proceedings of ICNN’95 - International Conference on Neural Networks*, 1995, pp. 1942–1948 vol.4. doi: [10.1109/ICNN.1995.488968](https://doi.org/10.1109/ICNN.1995.488968).
- [35] D. E. Goldberg and J. H. Holland, “Genetic Algorithms and Machine Learning,” *Machine Learning*, vol. 3, no. 2, pp. 95–99, Oct. 1988, doi: [10.1023/A:1022602019183](https://doi.org/10.1023/A:1022602019183).
- [36] S. Ruder, “An overview of gradient descent optimization algorithms,” Sep. 2016.
- [37] J. Duchi, E. Hazan, and Y. Singer, “Adaptive Subgradient Methods for Online Learning and Stochastic Optimization,” *Journal of Machine Learning Research*, vol. 12, pp. 2121–2159, Jul. 2011.
- [38] D. Shulman, *Optimization Methods in Deep Learning: A Comprehensive Overview*. 2023. doi: [10.48550/arXiv.2302.09566](https://doi.org/10.48550/arXiv.2302.09566).
- [39] S. D. M. Achanta, T. Karthikeyan, and R. Kanna, “Gait-based person fall prediction using deep learning approach,” *Soft Computing*, vol. 26, Sep. 2021, doi: [10.1007/s00500-021-06125-1](https://doi.org/10.1007/s00500-021-06125-1).



- [40] S. Phene *et al.*, “Deep Learning and Glaucoma Specialists: The Relative Importance of Optic Disc Features to Predict Glaucoma Referral in Fundus Photographs,” *Ophthalmology*, vol. 126, no. 12, pp. 1627–1639, Dec. 2019, doi: [10.1016/j.ophtha.2019.07.024](https://doi.org/10.1016/j.ophtha.2019.07.024).
- [41] B. Hou, J. Yu, A. Lelyakin, Z. Xu, and T. Jordan, “Gas Detonation Cell Width Prediction Model Based on Support Vector Regression,” *Nuclear Engineering and Technology*, vol. 49, Jul. 2017, doi: 10.1016/j.net.2017.06.014.
- [42] Fawcett, T., "An Introduction to ROC Analysis," in *Pattern Recognition Letters*, vol. 27, no. 8, pp. 861-874, 2006.
- [43] Davis, J. and Goadrich, M., "The Relationship Between Precision-Recall and ROC Curves," in *Proceedings of the 23rd International Conference on Machine Learning (ICML '06)*, 2006.
- [44] A. Kulkarni, D. Chong, and F. A. Batarseh, “5 - Foundations of data imbalance and solutions for a data democracy,” in *Data Democracy*, F. A. Batarseh and R. Yang, Eds., Academic Press, 2020, pp. 83–106. doi: 10.1016/B978-0-12-818366-3.00005-8.
- [45] P. Barrett, J. Hunter, J. T. Miller, J.-C. Hsu, and P. Greenfield, “matplotlib – A Portable Python Plotting Package,” Dec. 2005.
- [46] F. J. John Joseph, S. Nonsiri, and A. Monsakul, “Keras and TensorFlow: A Hands-On Experience,” 2021, pp. 85–111. doi: [10.1007/978-3-030-66519-7_4](https://doi.org/10.1007/978-3-030-66519-7_4).
- [47] N. Mahamkali and V. Ayyasamy, *OpenCV for Computer Vision Applications*. 2015.
- [48] H. Nur, “Research on Tensor Flow with a system for large-scale machine learning,” Sep. 2022..

