

REFERENSI

- [1] A. W. Stitt *et al.*, “The progress in understanding and treatment of diabetic retinopathy,” *Prog. Retin. Eye Res.*, vol. 51, pp. 156–186, 2016, doi: <https://doi.org/10.1016/j.preteyeres.2015.08.001>.
- [2] Y. Zheng, M. He, and N. Congdon, “The worldwide epidemic of diabetic retinopathy,” *Indian J. Ophthalmol.*, vol. 60, no. 5, pp. 428–431, 2012, doi: 10.4103/0301-4738.100542.
- [3] American Academy of Ophthalmology Retina/Vitreous Panel, *Preferred Practice Pattern Guidelines. Diabetic Retinopathy*. American Academy of Ophthalmology, 2016.
- [4] S. H. Rasta, M. E. Partovi, H. Seyedarabi, and A. Javadzadeh, “A comparative study on preprocessing techniques in diabetic retinopathy retinal images: illumination correction and contrast enhancement,” *J. Med. Signals Sens.*, vol. 5, no. 1, p. 40, 2015.
- [5] A. F. M. Hani, H. A. Nugroho, and H. Nugroho, “Gaussian Bayes classifier for medical diagnosis and grading: Application to diabetic retinopathy,” in *2010 IEEE EMBS Conference on Biomedical Engineering and Sciences (IECBES)*, 2010, pp. 52–56, doi: 10.1109/IECBES.2010.5742198.
- [6] H. Pratt, F. Coenen, D. M. Broadbent, S. P. Harding, and Y. Zheng, “Convolutional Neural Networks for Diabetic Retinopathy,” *Procedia Comput. Sci.*, vol. 90, pp. 200–205, 2016, doi: <https://doi.org/10.1016/j.procs.2016.07.014>.
- [7] J. Ni, Q. Chen, C. Liu, H. Wang, Y. Cao, and B. Liu, “An Effective CNN Approach for Diabetic Retinopathy Stage Classification with Dual Inputs and Selective Data Sampling,” in *2019 18th IEEE International Conference On Machine Learning And Applications (ICMLA)*, 2019, pp. 1578–1584, doi: 10.1109/ICMLA.2019.00260.
- [8] Asia Pacific Tele-Ophthalmology Society, “APTOS 2019 Blindness Detection.” 2019, [Online]. Available: <https://www.kaggle.com/c/aptos2019-blindness-detection/data>.
- [9] The Pallets Projects, “Flask.” .
- [10] M. D. Abràmoff *et al.*, “Automated early detection of diabetic retinopathy,” *Ophthalmology*, vol. 117, no. 6, pp. 1147–1154, Jun. 2010, doi: 10.1016/j.ophtha.2010.03.046.
- [11] A. Somasundaram and U. S. Reddy, *Data Imbalance: Effects and Solutions for Classification of Large and Highly Imbalanced Data*. 2016.



- [12] Y. Koh, G. Heo, and S. E. Whang, “A Survey on Data Collection for Machine Learning: A Big Data - AI Integration Perspective,” *IEEE Trans. Knowl. Data Eng.*, vol. 33, no. 4, pp. 1328–1347, 2021, doi: 10.1109/TKDE.2019.2946162.
- [13] B. Graham, “Kaggle diabetic retinopathy detection competition report,” *Univ. Warwick*, 2015.
- [14] F. Zhuang *et al.*, “A Comprehensive Survey on Transfer Learning,” *CoRR*, vol. abs/1911.0, 2019, [Online]. Available: <http://arxiv.org/abs/1911.02685>.
- [15] A. Pavate, J. Mistry, R. Palve, and N. Gami, “Diabetic Retinopathy Detection-MobileNet Binary Classifier,” *Acta Sci. Med. Sci.*, vol. 4, pp. 931–2582, Nov. 2020, doi: 10.31080/ASMS.2020.04.0800.
- [16] S. Patel, “Diabetic Retinopathy Detection and Classification using Pre-trained Convolutional Neural Networks,” vol. 11, pp. 1082–1087, Jun. 2020.
- [17] Y. Sun and D. Zhang, “Diagnosis and Analysis of Diabetic Retinopathy Based on Electronic Health Records,” *IEEE Access*, vol. 7, pp. 86115–86120, 2019, doi: 10.1109/ACCESS.2019.2918625.
- [18] P. Pokharel and P. Vaidya, *A Study of User Story in Practice*. 2020.