

## DAFTAR PUSTAKA

- Andono, P.N. dan Sutojo, T., 2017. Pengolahan citra digital. Penerbit Andi.
- American Academy of Ophthalmology, 2019. Section 11: Lens and Cataract. In *2019-2020 BCSC: Basic and clinical science course*. American Academy of Ophthalmology.
- Anon, Apa Itu Katarak? *Direktorat P2PTM*. Tersedia di: <http://p2ptm.kemkes.go.id/infographic-p2ptm/gangguan-indera/apa-itu-katarak> [Accessed May 27, 2022].
- Askarian, B., Ho, P. & Chong, J.W., 2021. Detecting cataract using smartphones. *IEEE Journal of Translational Engineering in Health and Medicine*, 9, pp.1–10.
- Barry-Straume, Jostein., Tschannen, Adam., Engels, Daniel W., and Fine, Edward., 2018 "An Evaluation of Training Size Impact on Validation Accuracy for Optimized Convolutional Neural Networks," *SMU Data Science Review*: Vol. 1: No. 4, Article 12.  
Tersedia di: <https://scholar.smu.edu/datasciencereview/vol1/iss4/12>
- Behera, M.K. et al., 2020. Detection of nuclear cataract in retinal fundus image using radialbasis FUNCTIONBASEDSVM. *2020 Sixth International Conference on Parallel, Distributed and Grid Computing (PDGC)*, pp.278–281.
- Burkov, A., 2019. *The hundred-page machine learning book*, Polen: Andriy Burkov.
- Géron, A., 2019. *Hands-on machine learning with scikit-learn and tensorflow: Concepts, tools, and techniques to build Intelligent Systems*, O'Reilly.
- Hossain, M.R. et al., 2020. Automatic detection of Eye Cataract using Deep Convolution Neural Networks (dcnns). *2020 IEEE Region 10 Symposium (TENSYMP)*.
- Imran, A. et al., 2019. Cataract detection and grading with retinal images using SOM-RBF Neural Network. *2019 IEEE Symposium Series on Computational Intelligence (SSCI)*, pp.2626–2632.
- Jagadale, A.B., Sonavane, S.S. & Jadav, D.V., 2019. Computer Aided System for early detection of nuclear cataract using circle hough transform. *2019 3rd International Conference on Trends in Electronics and Informatics (ICOEI)*, pp.1009–1012.
- Jindal, I., Gupta, P. & Goyal, A., 2019. Cataract detection using Digital Image Processing. *2019 Global Conference for Advancement in Technology (GCAT)*, pp.1–4.
- Lam, D. et al., 2015. Cataract. *Nature Reviews Disease Primers*, 1(1).



UNIVERSITAS  
GADJAH MADA

DETEKSI KATARAK PADA CITRA RETINAL FUNDUS MENGGUNAKAN CONVOLUTIONAL NEURAL NETWORK

RAIHAN FADHIL MAFTUH, Prof. Dra. Sri Hartati, M.Sc., Ph.D

Universitas Gadjah Mada, 2023 | Diunduh dari <http://etd.repository.ugm.ac.id/>

Linglin Zhang et al., 2017. Automatic Cataract detection and grading using deep convolutional neural network. *2017 IEEE 14th International Conference on Networking, Sensing and Control (ICNSC)*.

Mcandrew, A., 2004. An Introduction to Digital Image Processing with Matlab Notes for SCM2511 Image Processing 1 Semester 1.

Nurliadi, Sihombing, P., & Ramli, M., 2016. Analisis Contrast Stretching Menggunakan Algoritma Euclidean untuk Meningkatkan Kontras pada Citra Berwarna. *Jurnal Teknologi dan Inovasi: Jurnal Teknik Dan Inovasi*, 03(2013), 26–38.

O'Shea, K. & Nash, R., 2015. An introduction to Convolutional Neural Networks. *arXiv.org*. tersedia di: <https://arxiv.org/abs/1511.08458> [diakses 27 Mei, 2022].

Putra, D., 2010. Pengolahan citra digital. Penerbit Andi.

Sigit, R., Triyana, E. & Rochmad, M., 2019. Cataract detection using single layer perceptron based on smartphone. *2019 3rd International Conference on Informatics and Computational Sciences (ICICoS)*, pp.1–6.

Song, W. et al., 2019. An improved semi-supervised learning method on Cataract Fundus Image Classification. *2019 IEEE 43rd Annual Computer Software and Applications Conference (COMPSAC)*, pp.362–367.

Szegedy, C. et al., 2017. Inception-v4, Inception-ResNet and the Impact of Residual Connections on Learning, *AAI'17: Proceedings of the Thirty-First AAAI Conference on Artificial Intelligence*, pp.4278-4284.

Teuwen, J. & Moriakov, N., 2020. Chapter 20 - Convolutional Neural Networks. In S. K. Zhou, D. Rueckert, & G. Fichtinger, eds. *Handbook of Medical Image Computing and computer assisted intervention*. Academic Press, an imprint of Elsevier, pp. 481–501.

Turbert, David., 2020. 'Fundus', American Academy of Ophthalmology, 14 Januari. Tersedia di: <https://www.aao.org/eye-health/anatomy/fundus> [diakses 15 Mei 2022].

Yusuf, M. et al., 2019. Web-based cataract detection system using deep convolutional neural network. *2019 2nd International Conference of the IEEE Nigeria Computer Chapter (NigeriaComputConf)*.