

DAFTAR PUSTAKA

- [1] Elsevier Point of Care, “CLINICAL OVERVIEW : Glaucoma,” 2016.
- [2] J. Sivaswamy, S.R.Krishnadas, A. Chakravarty, G. D. Joshi, Ujjwal, and T. A. Syed, “A Comprehensive Retinal Image Dataset for the Assessment of Glaucoma from the Optic Nerve Head Analysis,” *JSM Biomed. Imaging Data Pap.*, vol. 2, no. 1, pp. 1–7, 2015.
- [3] H. Quigley and A. T. Broman, “The number of people with glaucoma worldwide in 2010 and 2020,” *Br. J. Ophthalmol.*, vol. 90, no. 3, pp. 262–267, 2006.
- [4] I. Fondón *et al.*, “Automatic cup-to-disc ratio estimation using active contours and color clustering in fundus images for glaucoma diagnosis,” in *9th International Conference Image Analysis and Recognition*, 2012, vol. 7325 LNCS, no. PART 2, pp. 390–399.
- [5] H. A. Nugroho, Ilcham, A. Jalil, and I. Ardiyanto, “Segmentation of Optic Disc on Retinal Fundus Images Using Morphological Reconstruction Enhancement and Active Contour,” in *2nd International Conference on Science in Information Technology*, 2016, pp. 362–366.
- [6] H. A. Nugroho, W. K. Z. Oktoeberza, A. Erasari, A. Utami, and C. Cahyono, “Segmentation of optic disc and optic cup in colour fundus images based on morphological reconstruction,” in *2017 9th International Conference on Information Technology and Electrical Engineering (ICITEE)*, 2017, pp. 1–5.
- [7] R. R. a Bourne, “GLOSSARY: The Optic Nerve Head in Glaucoma,” *Community Eye Heal.*, vol. 19, no. 59, pp. 44–45, 2006.
- [8] R. D. Kellerman and E. Bope, “Diseases of the Head and Neck,” in *Conn’s Current Therapy 2018*, vol. 12, Philadelphia: Elsevier, 2018, pp. 455–458.

- [9] Q. Abbas, I. Fondón, S. Jiménez, and P. Alemany, “Automatic detection of optic disc from retinal fundus images using dynamic programming,” in *9th International Conference Image Analysis and Recognition*, 2012, vol. 7325 LNCS, no. PART 2, pp. 416–423.
- [10] A. M. Mendonça, F. Cardoso, A. V. Sousa, and A. Campilho, “Automatic localization of the optic disc in retinal images based on the entropy of vascular directions,” in *9th International Conference Image Analysis and Recognition*, 2012, vol. 7325 LNCS, no. PART 2, pp. 424–431.
- [11] “ROI-Based Processing - MATLAB.” [Online]. Available: <https://www.mathworks.com/help/images/roi-based-processing.html>. [Accessed: 30-Aug-2018].
- [12] B. F. Zhan, “Three Fastest Shortest Path Algorithms on Real Road Networks: Data Structures and Procedures,” *J. Geogr. Inf. Decis. Anal.*, vol. 1, no. 1, pp. 70–82, 1997.
- [13] “Data Structures and Algorithms Queue.” [Online]. Available: https://www.tutorialspoint.com/data_structures_algorithms/dsa_queue.htm. [Accessed: 30-Aug-2018].
- [14] J. Ponce and D. Forsyth, *Computer Vision: A Modern Approach*, 2nd ed. Upper Saddle River: Prentice Hall Press, 2012.
- [15] “What Is Image Filtering in the Spatial Domain? - MATLAB.” [Online]. Available: <https://www.mathworks.com/help/images/what-is-image-filtering-in-the-spatial-domain.html>. [Accessed: 30-Aug-2018].
- [16] “Contrast Adjustment - MATLAB.” [Online]. Available: <https://www.mathworks.com/help/images/contrast-adjustment.html>. [Accessed: 30-Aug-2018].
- [17] J. Lucas, C. Brandoch, and K. Knox, “Image Enhancement for Astronomical Scenes,” in *Applications of Digital Image Processing XXXVI*,

2013, pp. 474–485.

- [18] K. Zuiderveld, “Contrast Limited Adaptive Histogram Equalization,” in *Graphics gems IV*, San Diego: Academic Press Professional, 1994, pp. 474–485.
- [19] “Morphological structuring element - MATLAB.” [Online]. Available: <https://www.mathworks.com/help/images/ref/strel.html#d120e217996>. [Accessed: 16-Sep-2018].
- [20] M. Sonka, V. Hlavac, and R. Boyle, *Image Processing, Analysis, and Machina Vision*, 3th ed. Toronto: Thomson Learning, 2008.
- [21] “Erode image - MATLAB.” [Online]. Available: <https://de.mathworks.com/help/images/ref/imerode.html>. [Accessed: 15-Sep-2018].
- [22] “Dilate Image - MATLAB.” [Online]. Available: <https://www.mathworks.com/help/images/ref/imdilate.html>. [Accessed: 15-Sep-2018].
- [23] R. C. . Gonzalez and R. E. Woods, “Morphological Image Processing,” in *Digital Image Processing*, 2nd ed., Upper Saddle River: Prentice Hall, 2004, pp. 523–528.
- [24] A. Halder and P. Bhattacharya, “An Application of Bottom Hat Transformation to Extract Blood Vessel from Retinal Images,” in *2015 International Conference on Communication and Signal Processing*, pp. 1791–1795.
- [25] M. Shah, “Region Segmentation,” in *Fundamentals of Computer Vision*, Computer Science Department University of Central Florida, 1997, pp. 53–56.
- [26] D. Kaur and Y. Kaur, “Various Image Segmentation Techniques: A Review,” *Int. J. Comput. Sci. Mob. Comput.*, vol. 3, no. 5, pp. 809–814,

2014.

- [27] X. Bresson and J. P. Thiran, "Image Segmentation Model Using Active Contour and Image Decomposition," in *2006 International Conference on Image Processing*, pp. 1657–1660.
- [28] T. F. Chan and L. A. Vese, "Active contours without edges," *IEEE Trans. Image Process.*, vol. 10, no. 2, pp. 266–277, 2001.
- [29] M. A. Jayaram and H. Fleyeh, "Convex Hulls in Image Processing: A Scoping Review," *Am. J. Intell. Syst.*, vol. 6, no. 2, pp. 48–58, 2016.
- [30] R. C. Gonzalez, R. E. Woods, and S. L. Eddins, "Morphological Reconstruction," in *Digital Image Processing Using MATLAB*, 2nd ed., Knoxville: Gatesmark Publishing, 2009, pp. 518–521.
- [31] "Understanding Morphological Reconstruction - MATLAB." [Online]. Available: <https://www.mathworks.com/help/images/understanding-morphological-reconstruction.html>. [Accessed: 30-Aug-2018].
- [32] "Data Structures and Algorithms: Quick Sort." [Online]. Available: https://www.tutorialspoint.com/data_structures_algorithms/quick_sort_algorithm.htm. [Accessed: 16-Sep-2018].
- [33] J. Pickles, *Ground Truth: The Social Implications of Geographical Information Systems*. 1995.
- [34] J. Brownlee, "What is a Confusion Matrix in Machine Learning," *Algorithms From Scratch*, 2016. [Online]. Available: <https://machinelearningmastery.com/confusion-matrix-machine-learning/>. [Accessed: 30-Aug-2018].
- [35] A. Sharma, "Confusion Matrix in Machine Learning - GeeksforGeeks." [Online]. Available: <https://www.geeksforgeeks.org/confusion-matrix-machine-learning/>. [Accessed: 30-Aug-2018].

- [36] Z. Zhang *et al.*, “ORIGA-light: An online retinal fundus image database for glaucoma analysis and research,” in *2010 Annual International Conference of the IEEE Engineering in Medicine and Biology*, pp. 3065–3068.