

DAFTAR PUSTAKA

- [1] Kementerian Kesehatan RI, *Situasi dan Analisis Glaukoma*. Jakarta, 2015.
- [2] R.P. Chauhan, and N. Dahiya B.N. Kumar, "Detection of glaucoma using Image processing techniques : a review," in *International Conference Microelectron Computer Communication*, 2016, pp. 1-6.
- [3] Medha V. Wyawahare, "Feature selection and classification for automatic detection of retina nerve fibre layer thinning in retinal fundus image," *International Journal Biomedical Engineering and Technology*, vol. 19, 2015.
- [4] Agus Harjoko, Reza Pulungan, Retno Ekantini Anindita Septiarini, "Automated Detection of Retinal Nerve Fiber Layer by Texture-Based Analysis for Glaucoma Evaluation," in *The Korean Society of Medical Informatics*, 2018.
- [5] Kashi Nath Dey Abhishek Dey, "Automated Glaucoma Detection from Fundus Images of Eye Using Statistical Feature Extraction Methods and Support Vector Machine Classification," in *Dey, A., & Dey, K. N. (2017). Automated Glaucoma Detection from Fundus Images of Eye Using Statistical Feature Extraction Methods and Support Vector Machine Classification. Industry Interactive Innovations in Science, Engineering and Technology*, 2017, pp. 511-521.
- [6] U. Rajendra Acharya, K. Prabhakar Nayak, R.J. Martis, S.V. Bhandary K.P. Noronha, "Automated classification of glaucoma stages using higher order cumulant features ," *Biomedical, Signal Processing and Control*, vol. 10, pp. 174-183, 2014.
- [7] Hanung Adi Nugroho, Bondhan Winduratna, Ilcham Maria Ulfa Muthmainah, "Analysis Retinal Fundus Images for Classification of Glaucoma," in *International Conference on Bioinformatics, Biotechnology, Biomedical Engineering*, 2018, pp. 1-6.
- [8] Leonardo Santos, Wallinson Silva Ma'ila Claro, "Automatic Glaucoma Detection Based on Optic Disc Segmentation and Texture Feature Extraction," *CLEI ELECTRONIC JOURNAL*, vol. 19, no. VOLUME 19, NUMBER 2, PAPER 4, AUGUST 2016, pp. -, Augut 2016.
- [9] K. K. Kim, J. M. Seo, et al S. Y. Lee, "Automated Quantification of Retinal Nerve Fiber Layer Atrophy in Fundus Photographs," in *Proceedings of the 26th Annual International Conference of the IEEE EMBS*, 2004.
- [10] Ilcham, "Deteksi Penyakit Glaukoma Berdasarkan Ciri Retinal Nerve Fiber Layer Pada Citra Fundus Retina," Universitas Gadjah Mada, Postgraduate Thesis 2018.
- [11] Kevin Noronha, Jayasudha Koti Megha Lotankar, "Detection of Optic Disc and Cup from Color Retinal Images for Automated Diagnosis of Glaucoma," in *UP Section Conference on Electrical Computer and Electronics* , 2015.
- [12] N. P. Ananthamoorthy, K. Gayathridevi Kishore Balasubramanian,

- "Automatic Diagnosis and Classification of Glaucoma Using Hybrid Features and k -Nearest Neighbor," *Journal of Medical Imaging and Health Informatics*, vol. 8, pp. 1598–1606, October 2018.
- [13] C. Muramatsi, K. Ishida, A. Sawada, Y. Hatanaka R. Watanabe, "Automated detection of nerve fiber layer defects on retinal fundus images using fully convolutional network for early diagnosis of glaucoma," in *Conference of Society of Photo-Optical Instrumentation Engineers* , 2017.
- [14] D.J, S. Kumar P. Prageeth, "Early detection of retinal nerve fiber layer defects using fundus images processing," in *IEEE Recent Advanced Intellegence Computer System*, 2011, pp. 930-936.
- [15] et al Y. Hayashi, "Detection of retinal nerve fiber layer defects in retinal fundus images using gabor filtering," in *Conference of Society of Photo-Optical Instrumentation Engineers*, 2007, p. 65142z.
- [16] Y.M. Rajput R.R. Manza, "Secondary Glaucoma Diagnosis Technique using Retinal Nerve Fiber Layer arteries," in *International Conference on Pervasive Computing* , 2015.
- [17] R. Kolar and J. Jan, "Detection of Glaucomatous Eye via Color Fundus Images Using Fractal Dimensions," in *Radioengineering*, 2008, pp. 109–114.
- [18] C. K. Chua, E. Y. K. Ng, W. Yu, and C. Chee R. Acharya U, "Application of higher order spectra for the identification of diabetes retinopathy stages," *Journal Medical System*, vol. 32, pp. 481–488, 2008.
- [19] K. Fukuta , C. Muramatsu, et al Y. Hatanaka, "Automated Calculation of Cup-to-Disc Ratio for Diagnosing Glaucoma in Retinal Fundus Images," in *International Federation for Medical and Biological Engineering Proceidings*, 2010.
- [20] N.B. Puhan, Aparna Rao, et al Rashmi Panda, "Automated retinal nerve fiber layer defect detection using fundus imaging in glaucoma," *Computerized Medical Imaging and Graphics* , vol. 66, pp. 56-65, January 2017.
- [21] Radim Kolar, Ralf-Peter Tornow, et al Jan Odstrcilik, "Thickness related textural properties of retinal nerve fiber layer in color fundus images," *Computerized Medical Imaging and Graphics*, pp. 508–516, 2014.
- [22] Augustine Herini Tita Hutami, "Lokalisasi Dan Segmentasi Optic Disc Dan Optic Cup Pada Citra Fundus Retina Berbasis Active Contour Dan Convex Hull," Universitas Gadjah Mada, Undergraduate Thesis 2018.
- [23] D. W. K. Wong, J.H. Lim, et al J. Liu, "Optic Cup and Disk Extraction from Retinal Fundus Images for Determination of Cup-to-Disc Ratio," in *Industrial Electronics and Applications*, 2008.
- [24] Medha V. Wyawahare, "Machine learning classifiers based on structural ONH measurements for glaucoma diagnosis," *International Journal Biomedical Engineering and Technology*, vol. 4, 2016.
- [25] M.Wolf, K.Donath, et al R. Chra'stek, "Automated segmentation of the optic nerve head for diagnosis of glaucoma," *Medical Image Analysis*, pp. 297–314, December 2003.

- [26] R. Eugene Johnston, James P. Erickson, et al tephen M. Pizer, "Contrast-Limited Adaptive Histogram Equalization: Speed and Effectiveness," *IEEE visualization*, 1990.
- [27] Luminita A. Vese Tony F. Chan, "Active Contours Without Edges," *IEEE TRANSACTIONS ON IMAGE PROCESSING*, vol. 10, February 2001.
- [28] Murinto Dyah Apriliani, "Analisis Perbandingan Teknik Segmentasi Citra Digital Menggunakan Metode Level Set Chan & Vese Dan Lankton," *Jurnal Informatika*, vol. 7, Juli 2013.
- [29] Manesha Singh Sameer Singh, *Progress in Pattern Recognition*. London: Springer, 2007.
- [30] Adhi Susanto Abdul Kadir, *Pengolahan citra: Teori dan Aplikasi*. Yogyakarta, 2012.
- [31] M. M. Galloway, "Texture Analysis Using Gray Level Run Lengths," *Computer Graphics and Image Processing*, vol. 4, pp. 172–179, 1975.
- [32] X. Tang, "Texture Information in Run-Length Matrices," *EEE Transaction on Image Processing*, vol. 7, pp. 1602–1609, 1998.
- [33] C. M. Sehgal, and J. F. Greenleaf A. Chu, "Use of Gray Value Distribution of Run Lengths for Texture Analysis," *Pattern Recognition Letters*, vol. 11, pp. 415–419, 1990.
- [34] M. A. Hall, "Correlation-based Feature Selection for Machine Learning," The Universty of Waikato, 1999.
- [35] A. S. Manjunath, G. Ratio, and C. F. Evaluation A. G. Karegowda, "Comparative Study of Attribute Selection Using Gain Ratio," *Internation Journal of Information Technology and Management* , vol. 2, pp. 271–277, 2010.
- [36] Abhishek Dey and Samir K. Bandyopadhyay, "Automated Glaucoma Detection Using Support Vector Machine Classification Method," *British Journal of Medicine & Medical Research*, vol. 11, no. 2231-0614, pp. 1-12, October 2015.
- [37] A. S. Nugroho, A. B. Witarto, and D. Handoko, "Application of Support Vector Machine in Bioinformatics," in *Proceeding of Indonesian Scientific Meeting*, 2003, pp. 1-11.
- [38] V. Susheela Devi M. Narasimha Murty, *Pattern recognition An algorithmic Approach*, Ian Mackie, Ed. New York: Universtiy Press.
- [39] Krishnadas K. R, Joshi G. D, Jain Madhulika, Ujjwal and Syed Abbas T Sivaswamy J. (2015) Drishti-GS: Retinal Image Dataset for Optic Nerve Head(OH) Segmentation. [Online]. <http://cvit.iit.ac.in/projects/mip/drishti-gs/mip-dataset2/Home.php>
- [40] Latifah Listyalina, "Automated Detection Of Optic Disc And Centre Of Macula To Facilitate The Diagnosis Of Retinal Related Diseases," University of Gadjah Mada, Postgraduate Thesis 2015.
- [41] Ritu Gadia, Harinder S Sethi, Anita Panda Shibal Bhartiya, "Clinical Evaluation of Optic Nerve Head in Glaucoma," *Journal of Current*

Glaucoma Practice, vol. 115-132, p. 3, September 2010.

- [42] Wido M Budde, Peter Lang Jost B Jonas, "Neuroretinal rim width ratios in morphological glaucoma diagnosis," *Br J Ophthalmol*, vol. 82, pp. 1366–1371, 1998.
- [43] Simon T Ruben, Ananth Viswanathan, Roger A Hitchings David F Garway-Heath, "Vertical cup/disc ratio in relation to optic disc size: its value in the assessment of the glaucoma suspect," *Br J Ophthalmol*, vol. 82, pp. 1118–1124, 1998.
- [44] Dyna M. Khairina, Awang H.Kridalaksana Anindita Septiarini, "Automatic Glaucoma Detection Method Applying a Statistical Approach to Fundus Image," *The Korean Society of Medical Informatics*, 2018.
- [45] Widhia K.Z. Oktoeberza, Astrid Erasari, et al Hanung Adi Nugroho, "Segmentation optic disc and optic cup in colour fundus images based on morphological reconstruction," in *9th International Conference on Information Technology and Electrical Engineering (ICITEE)*, 2017.
- [46] Mamta Juneja Niharika Thakur, "Survey on segmentation and classification approaches of optic cup and optic disc for diagnosis of glaucoma," *Biomedical Signal Processing and Control*, pp. 162-189, January 2018.
- [47] Sebastian Raschka, "Mode lEvaluation,Model Selection, and Algorithm Selection in Machine Learning," University of Wisconsin–Madison, 2018.
- [48] Helen Koenigsman, Ruojin Ren, Et Al Seung Woo Hong, "Glaucoma Specialist Optic Disc Margin, Rim Margin and Rim Width Discordance in Glaucoma and Glaucoma Suspect Eyes," *American Journal Of Ophthalmology*, August 2018.
- [49] Liangxiu Han, Jano van Hemert, Baihua Li Muhammad Salman Haleem, "Automatic extraction of retinal features from colour retinal images for glaucoma diagnosis: A review," *Computerized Medical Imaging and Graphics*, vol. 37, pp. 581–596, September 2013.
- [50] Joel En Wei Koh, Jen Hong Tan, et al Yuki Hagiwara, "Computer-aided diagnosis of glaucoma using fundus images: A review," *Computer Methods and Programs in Biomedicine*, vol. 165, pp. 1-12, July 2018.