

## DAFTAR PUSTAKA

- Alruwaili, M., Siddiqi, M. H., & Javed, M. A. (2020). A robust clustering algorithm using spatial fuzzy C-means for brain MR images. *Egyptian Informatics Journal*, 21(1), 51–66. <https://doi.org/10.1016/j.eij.2019.10.005>
- Bahri, Z. (2020). Metode Pusat dan Circular Hough Transformation untuk Mendeteksi Lingkaran pada Sebuah Citra. *Digital Zone: Jurnal Teknologi Informasi Dan Komunikasi*, 11(2), 301–310. <https://doi.org/10.31849/digitalzone.v11i2.5086>
- Bazrafkan, S., Thavalengal, S., & Corcoran, P. (2018). An end to end Deep Neural Network for iris segmentation in unconstrained scenarios. *Neural Networks*, 106, 79–95. <https://doi.org/10.1016/j.neunet.2018.06.011>
- Bhat, S. S. (2019). *Title of the Work e-IRIS : Efficient algorithms for Iris Representation and Identification System.*
- Chuang, K.-S., Tzeng, H.-L., Chen, S., Wu, J., & Chen, T.-J. (2006). Fuzzy c-means clustering with spatial information for image segmentation. *Computerized Medical Imaging and Graphics*, 30(1), 9–15. <https://doi.org/10.1016/j.compmedimag.2005.10.001>
- Courn, S. (2022). Pupil of the Eye and its Function, Size and Testing. *Journal of Contemporary Medical Education*, 12, 2.
- Daugman, J. G. (1994). *BIOMETRIC PERSONAL IDENTIFICATION SYSTEM BASED ON IRIS ANALYSIS* (Patent No. 5,291,560).
- Hapsari, R. K., Utomo, M. I., Rulaningtyas, R., & Suprajitno, H. (2020). Iris segmentation using Hough Transform method and Fuzzy C-Means method. *Journal of Physics: Conference Series*, 1477(2), 022037. <https://doi.org/10.1088/1742-6596/1477/2/022037>
- Hofbauer, H., Jalilian, E., & Uhl, A. (2019). Exploiting superior CNN-based iris segmentation for better recognition accuracy. *Pattern Recognition Letters*, 120, 17–23. <https://doi.org/10.1016/j.patrec.2018.12.021>
- Jan, F., & Min-Allah, N. (2020). An effective iris segmentation scheme for noisy images. *Biocybernetics and Biomedical Engineering*, 40(3), 1064–1080. <https://doi.org/10.1016/j.bbe.2020.06.002>
- Jasril, Utri Amri, F., Yanto, F., Budianita, E., & Gustri Wahyuni, E. (2018). Implementasi Segmentasi Spatial Fuzzy C-Means Pada Identifikasi Citra Daging Sapi dan Babi. *Seminar Nasional Teknologi Informasi Komunikasi Industri*, 2579–5406.
- Jumadi, J., Yupianti, Y., & Sartika, D. (2021). PENGOLAHAN CITRA DIGITAL UNTUK IDENTIFIKASI OBJEK MENGGUNAKAN METODE HIERARCHICAL AGGLOMERATIVE CLUSTERING. *JST (Jurnal Sains Dan Teknologi)*, 10(2), 148–156. <https://doi.org/10.23887/jstundiksha.v10i2.33636>
- Khusna, A. N., & Rizkawati, L. (2020). Information Retrieval pada Pencarian Menu Balita Menggunakan Dice Coefficient. *Jurnal Edukasi Dan Penelitian Informatika (JEPIN)*, 6(1), 7. <https://doi.org/10.26418/jp.v6i1.37169>

- Kusumadewi, S., & Hartati, S. (2006). *Neuro-Fuzzy: Integrasi Sistem Fuzzy dan Jaringan Syaraf* (Pertama). Graha Ilmu.
- Lefkovits, S., & Lefkovits, L. (2019). Combining Subspace Methods and CNN Segmentation for Iris Identification. *2019 IEEE 17th World Symposium on Applied Machine Intelligence and Informatics (SAMI)*, 305–310. <https://doi.org/10.1109/SAMI.2019.8782780>
- Lian, S., Luo, Z., Zhong, Z., Lin, X., Su, S., & Li, S. (2018). Attention guided U-Net for accurate iris segmentation. *Journal of Visual Communication and Image Representation*, 56, 296–304. <https://doi.org/10.1016/j.jvcir.2018.10.001>
- Ma, L., Li, H., & Yu, K. (2020). Fast iris localization algorithm on noisy images based on conformal geometric algebra. *Digital Signal Processing*, 100, 102682. <https://doi.org/10.1016/j.dsp.2020.102682>
- Memari, N., Ramli, A. R., Saripan, M. I. Bin, Mashohor, S., & Moghbel, M. (2019). Retinal Blood Vessel Segmentation by Using Matched Filtering and Fuzzy C-means Clustering with Integrated Level Set Method for Diabetic Retinopathy Assessment. *Journal of Medical and Biological Engineering*, 39(5), 713–731. <https://doi.org/10.1007/s40846-018-0454-2>
- Miftahuddin, Y., Umaroh, S., & Karim, F. R. (2020). PERBANDINGAN METODE PERHITUNGAN JARAK EUCLIDEAN, HAVERSINE, DAN MANHATTAN DALAM PENENTUAN POSISI KARYAWAN. *Jurnal Tekno Insentif*, 14(2), 69–77. <https://doi.org/10.36787/jti.v14i2.270>
- Munantri, N. Z., Sofyan, H., & Florestiyanto, M. Y. (2020). APLIKASI PENGOLAHAN CITRA DIGITAL UNTUK IDENTIFIKASI UMUR POHON. *Telematika*, 16(2), 97. <https://doi.org/10.31315/telematika.v16i2.3183>
- Ohmaid, H., Eddarouich, S., Bourouhou, A., & Timouyas, M. (2020). Iris segmentation using a new unsupervised neural approach. *IAES International Journal of Artificial Intelligence (IJ-AI)*, 9(1), 58. <https://doi.org/10.11591/ijai.v9.i1.pp58-64>
- Pathak, M., Srinivasu, N., & Bairagi, V. (2019). Effective segmentation of sclera, iris and pupil in noisy eye images. *TELKOMNIKA (Telecommunication Computing Electronics and Control)*, 17(5), 2346. <https://doi.org/10.12928/telkomnika.v17i5.12551>
- Paulín-Martínez, F. J., Lara-Guevara, A., Romero-González, R. M., & Jiménez-Hernández, H. (2019). Implementation of the Hough Transform for Iris Detection and Segmentation. *Advances in Molecular Imaging*, 09(01), 6–18. <https://doi.org/10.4236/ami.2019.91002>
- Pei, H.-X., Zheng, Z.-R., Wang, C., Li, C.-N., & Shao, Y.-H. (2017). D-FCM: Density based fuzzy c-means clustering algorithm with application in medical image segmentation. *Procedia Computer Science*, 122, 407–414. <https://doi.org/10.1016/j.procs.2017.11.387>
- Prihartono, T. D., Isnanto, R. R., & Santoso, I. (2012). Identifikasi Iris Mata Menggunakan Alihragam Wavelet Haar. *Transmisi: Jurnal Ilmiah Teknik Elektro*, 13(2), 71–75.

- Qur'ana, T. W. (2018). PERBAIKAN CITRA MENGGUNAKAN MEDIAN FILTER UNTUK MENINGKATKAN AKURASI PADA KLASIFIKASI MOTIF SASIRANGAN. *Technologia: Jurnal Ilmiah*, 9(4), 270. <https://doi.org/10.31602/tji.v9i4.1543>
- Reddy, P. K. R., Nagaraju, C., & Reddy, I. R. (2015). Canny Scale Edge Detection. *International Journal of Engineering Trends and Technology*. <https://doi.org/10.14445/22315381/IJETT-ICGTETM-N3/ICGTETM-P121>
- Safitri, Q. U., Huda, A. F., & Awaludin, A. S. (2017). SEGMENTASI CITRA MENGGUNAKAN ALGORITMA FUZZY c-MEANS (FCM) DAN SPATIAL FUZZY c-MEANS (sFCM). *Kubik: Jurnal Publikasi Ilmiah Matematika*, 2(1), 22–34. <https://doi.org/10.15575/kubik.v2i1.1471>
- Sardar, M., Mitra, S., & Uma Shankar, B. (2018). Iris localization using rough entropy and CSA: A soft computing approach. *Applied Soft Computing*, 67, 61–69. <https://doi.org/10.1016/j.asoc.2018.02.047>
- Sarosa, M., Muna, N., Rohadi, E., Junus, M., Setiawan, A., & Muhiqin, I. (2019). Circle Hough Transform (CHT) method applied to coin identifier and recognition based on computer vision and android developer. *Journal of Physics: Conference Series*, 1402(7), 077036. <https://doi.org/10.1088/1742-6596/1402/7/077036>
- Soltany, M., Zadeh, S. T., & Pourreza, H. R. (2011). Daugman's Algorithm Enhancement for Iris Localization. *Advanced Materials Research*, 403–408, 3959–3964. <https://doi.org/10.4028/www.scientific.net/AMR.403-408.3959>
- Susitha, N., & Subban, R. (2019). Reliable pupil detection and iris segmentation algorithm based on SPS. *Cognitive Systems Research*, 57, 78–84. <https://doi.org/10.1016/j.cogsys.2018.09.029>
- Wedianto, A., Sari, H. L., & H, Y. S. (2016). ANALISA PERBANDINGAN METODE FILTER GAUSSIAN, MEAN DAN MEDIAN TERHADAP REDUKSI NOISE. *JURNAL MEDIA INFOTAMA*, 12(1). <https://doi.org/10.37676/jmi.v12i1.269>
- Yuwono, B. (2015). IMAGE SMOOTHING MENGGUNAKAN MEAN FILTERING, MEDIAN FILTERING, MODUS FILTERING DAN GAUSSIAN FILTERING. *Telematika*, 7(1). <https://doi.org/10.31315/telematika.v7i1.416>