

## DAFTAR PUSTAKA

- [1] Maharani NU. (2022). Gambaran Penderita Tumor Payudara Berdasarkan Usia Biologis. *J Med Hutama*; 3(2):1851-1854. <http://jurnalmedikahutama.com>
- [2] Sutnick AI, Gunawan S. (1982). Cancer in Indonesia. *JAMA J Am Med Assoc*; 247(22):3087-3088. doi:10.1001/jama.247.22.3087
- [3] WCRF International. (2020). Breast cancer statistics. World Cancer Research Fund International. <https://www.wcrf.org/cancer-trends/breast-cancer-sta>
- [4] Mendes J, Matela N. (2021). Breast cancer risk assessment: A review on mammography-based approaches. *J Imaging*; 7(6). doi:10.3390/jimaging7060098
- [5] Meenalochini G, Ramkumar S. (2020). Survey of machine learning algorithms for breast cancer detection using mammogram images. *Mater Today Proc*; 37(Part 2):2738-2743. doi:10.1016/j.matpr.2020.08.543
- [6] Zebari DA, Ibrahim DA, Zeebaree DQ, et al. (2021). Systematic Review of Computing Approaches for Breast Cancer Detection Based Computer Aided Diagnosis Using Mammogram Images. *Appl Artif Intell*; 35(15):2157-2203. doi:10.1080/08839514.2021.2001177
- [7] Arifin T. (2016). Analisa Perbandingan Metode Segmentasi Citra Pada Citra Mammogram. *INFORMATIKA*; 3.
- [8] Michael E, Ma H, Li H, Kulwa F, Li J. (2021). Breast Cancer Segmentation Methods: Current Status and Future Potentials. *Biomed Res Int*. doi:10.1155/2021/9962109
- [9] Omer AM, Elfadil M. (2017). Preprocessing of Digital Mammogram Image Based on Otsu ' s Threshold. *Am Sci Res J Eng Technol Sci*; 37(1):220-229.
- [10] R.Shahin O. (2020). Mammogram Breast Cancer Detection using Fast Watershed Segmentation. *Int J Adv Trends Comput Sci Eng*; 9(3):2842-

2847. doi:10.30534/ijatcse/2020/55932020

- [11] Krishnaveni A, Shankar R, Duraisamy S. (2020). Swarm Intelligence Algorithms with K-Means Clustering for Mammogram Image Segmentation. *Irjmets, Issn*; 63(6):2515-8260.
- [12] Wang L, Chang Y, Wang H, Wu Z, Pu J, Yang X. (2017). An active contour model based on local fitted images for image segmentation. *Inf Sci (Ny)*; 418-419:61-73. doi:10.1016/j.ins.2017.06.042
- [13] Chen X, Williams BM, Vallabhaneni SR, Czanner G, Williams R, Zheng Y. (2019). Learning active contour models for medical image segmentation. *Proc IEEE Comput Soc Conf Comput Vis Pattern Recognit*; June:11624-11632. doi:10.1109/CVPR.2019.01190
- [14] Chen Y, Ge P, Wang G, Weng G, Chen H. (2023). An overview of intelligent image segmentation using active contour models. *Intell Robot*; 3(1):23-55. doi:10.20517/ir.2023.02
- [15] Fitriatuzzakiyyah N, Sinuraya RK, Puspitasari IM. (2017). Cancer Therapy with Radiation: The Basic Concept of Radiotherapy and Its Development in Indonesia. *Indones J Clin Pharm*; 6(4):311-320. doi:10.15416/ijcp.2017.6.4.311
- [16] Dewi H. (2015). Analisis risiko kanker payudara berdasar riwayat pemakaian kontrasepsi hormonal dan usia. *J Berk Epidemiol*; 3(1):12-23.
- [17] M. S, A. A, E. H, T. M. (2017). Breast Cancer Detection with Mammogram Segmentation: A Qualitative Study. *Int J Adv Comput Sci Appl*; 8(10):117-120. doi:10.14569/ijacsa.2017.081016
- [18] Elmore JG, Armstrong K, Lehman CD, Fletcher SW. (2005). Screening for breast cancer. *Jama*; 293(10):1245-1256. doi:10.1001/jama.293.10.1245
- [19] Al-Jabbar M, Alshahrani M, Senan EM, Ahmed IA. (2023). Multi-Method Diagnosis of Histopathological Images for Early Detection of Breast Cancer Based on Hybrid and Deep Learning. *Mathematics*; 11(6).

doi:10.3390/math11061429

- [20] Lau KH, Tan AM, Shi Y. (2022). New and Emerging Targeted Therapies for Advanced Breast Cancer. *Int J Mol Sci*; 23(4). doi:10.3390/ijms23042288
- [21] Sun YS, Zhao Z, Yang ZN, et al. (2017). Risk factors and preventions of breast cancer. *Int J Biol Sci*; 13(11):1387-1397. doi:10.7150/ijbs.21635
- [22] Helja M, Nurhasanah ., Sampurno J. (2013). Analisis Fraktal Citra Mammogram Berbasis Tekstur Sebagai Pendukung Diagnosis Kanker Payudara. *POSITRON*; 3(2). doi:10.26418/positron.v3i2.5131
- [23] Al-Najdawi N, Biltawi M, Tedmori S. (2015). Mammogram image visual enhancement, mass segmentation and classification. *Appl Soft Comput J*; 35:175-185. doi:10.1016/j.asoc.2015.06.029
- [24] Hastawan AF, Septiana R, Windarto YE. (2019). Perbaikan Hasil Segmentasi HSV Pada Citra Digital Menggunakan Metode Segmentasi RGB Grayscale. *Edu Komputika J*; 6(1):32-37. doi:10.15294/edukomputika.v6i1.23025
- [25] Rezaei Z. (2021). A review on image-based approaches for breast cancer detection, segmentation, and classification. *Expert Syst Appl*; 182(April):115204. doi:10.1016/j.eswa.2021.115204
- [26] Handayani L, Septa II. (2014). Segmentasi Mamografi Kanker Payudara Dengan Algoritma Expectation Maximization Segmentation (Em-Segmentation). *J Sains, Teknol dan Ind*; 11(2):251-258.
- [27] Ali Y, Hamed S. (2015). Early breast cancer detection using mammogram images: A review of image processing techniques. *Biosci Biotechnol Res Asia*; 12(March):225-234. doi:10.13005/bbra/1627
- [28] Di Maria S, Vedantham S, Vaz P. (2022). X-ray dosimetry in breast cancer screening: 2D and 3D mammography. *Eur J Radiol*; 151(December 2021):110278. doi:10.1016/j.ejrad.2022.110278
- [29] Abbas AH, Kareem AA, Kamil MY. (2015). Breast Cancer Image

Segmentation Using Morphological Operations. *onal J Electron Commun Eng Technol (IJECE)*, ISSN 0976 – 6464(Print), ISSN 0976 – 6472(Online), Vol 6, Issue 4, April (2015), pp 08-14© IAEME Int J Electron Commun Eng TECH; 6(4):08-14.

- [30] Dian Araminta Ramadhania. (2017). Pemeriksaan Radiologi untuk Deteksi Kanker Payudara. *Cermin Dunia Kedokt*; 44(3):226-229.
- [31] Drukteinis JS, Mooney BP, Flowers CI, Gatenby RA. (2013). Beyond mammography: New frontiers in breast cancer screening. *Am J Med*; 126(6):472-479. doi:10.1016/j.amjmed.2012.11.025
- [32] Pangaribuan H. (2019). Optimalisasi Deteksi Tepi Dengan Metode Segmentasi Citra. *Inf Syst Dev*; 4(1):30-38.
- [33] Pratondo A, Chui CK, Ong SH. (2017). Integrating machine learning with region-based active contour models in medical image segmentation. *J Vis Commun Image Represent*; 43(1):1-9. doi:10.1016/j.jvcir.2016.11.019
- [34] Basyid F, Adi K. (2014). Segmentasi Citra Medis Untuk Pengenalan Objek Kanker Menggunakan Metode Active Contour. *Youngster Phys J*; 3(3):209-216.
- [35] Salama WM, Aly MH. (2021). Deep learning in mammography images segmentation and classification: Automated CNN approach. *Alexandria Eng J*; 60(5):4701-4709. doi:10.1016/j.aej.2021.03.048
- [36] Ali Y, Hamed S. (2016). Early breast cancer detection using mammogram images: A review of image processing techniques. *Biosci Biotechnol Res Asia*; 12(June 2016):225-234. doi:10.13005/bbra/1627
- [37] Singh AK, Gupta B. (2015). A Novel Approach for Breast Cancer Detection and Segmentation in a Mammogram. *Procedia Comput Sci*; 54:676-682. doi:10.1016/j.procs.2015.06.079
- [38] Liantoni F, Santoso A. (2020). Perbaikan Kontras Citra Mammogram Pada Klasifikasi Kanker Payudara Berdasarkan Fitur Gray-Level Co-Occurrence

Matrix. *SINTECH (Science Inf Technol J*; 3(1):46-51. doi:10.31598/sintechjournal.v3i1.528

- [39] Goel R. (2021). The Implementation of Image Enhancement Techniques Using Matlab. *SSRN Electron J*. doi:10.2139/ssrn.3884967
- [40] Diemoz PC, Bravin A, Sztrókay-Gaul A, et al. (2016). A method for high-energy, low-dose mammography using edge illumination x-ray phase-contrast imaging. *Phys Med Biol*; 61(24):8750-8761. doi:10.1088/1361-6560/61/24/8750
- [41] He W, Hogg P, Juette A, Denton ERE, Zwiggelaar R. (2015). Breast image pre-processing for mammographic tissue segmentation. *Comput Biol Med*; 67:61-73. doi:10.1016/j.combiomed.2015.10.002
- [42] Al-Bayati M, El-Zaart A. (2013). Mammogram Images Thresholding for Breast Cancer Detection Using Different Thresholding Methods. *Adv Breast Cancer Res*; 02(03):72-77. doi:10.4236/abcr.2013.23013
- [43] Kaur G, Kumar R. (2020). Analysis and Implementation of Image Enhancement Techniques Using Matlab. *Int J Eng Appl Sci Technol*; 5(1):194-200. doi:10.33564/ijeast.2020.v05i01.028
- [44] Janani P, Premaladha J, Ravichandran KS. (2015). Image enhancement techniques: A study. *Indian J Sci Technol*; 8(22). doi:10.17485/ijst/2015/v8i22/79318
- [45] Megariani TVN. (2017). Otomatis Deteksi Dan Klasifikasi Massa Pada Mammogram. *Technol J Ilm*; 8(4):267. doi:10.31602/tji.v8i4.1127
- [46] Aswathy MA, Jagannath M. (2020). Performance Analysis of Segmentation Algorithms for the Detection of Breast Cancer. *Procedia Comput Sci*; 167:666-676. doi:10.1016/j.procs.2020.03.333
- [47] Gao G, Wen C, Wang H, Xu L. (2017). Fast Multiregion Image Segmentation Using Statistical Active Contours. *IEEE Signal Process Lett*; 24(4):417-421. doi:10.1109/LSP.2017.2664659

- [48] Yang X, Jiang X, Zhou L, Wang Y, Zhang Y. (2020). Active Contours Driven by Local and Global Region-Based Information for Image Segmentation. *IEEE Access*; 8:6460-6470. doi:10.1109/ACCESS.2019.2963435
- [49] Ding K, Xiao L, Weng G. (2018). Active contours driven by local pre-fitting energy for fast image segmentation. *Pattern Recognit Lett*; 104:29-36. doi:10.1016/j.patrec.2018.01.019
- [50] Karunanayake N, Gnanasekera M, Kodikara ND. (2007). A Robust Algorithm for Retinal Blood Vessel Extraction. *Int J Innov Res Comput Commun Eng (An ISO Certif Organ)*; 3297(9):7201-7208. doi:10.15680/IJIRCCE.2015
- [51] Ijamaru GK, Nwajana AO, Oleka EU, et al. (2021). Image processing system using matlab-based analytics. *Bull Electr Eng Informatics*; 10(5):2566-2577. doi:10.11591/eei.v10i5.3160
- [52] Kushwaha S, Singh RK. (2015). International Journal of Computer Sciences Science s and Engineering Open Access Study and Analysis of Various Image Enhancement Method using MATLAB; (1):15-20.
- [53] Arif RB, Khan MMR, Siddique MAB. (2018). Digital Image Enhancement in Matlab: An Overview on Histogram Equalization and Specification. *2018 Int Conf Innov Eng Technol ICIET*: 1-6. doi:10.1109/CIET.2018.8660839
- [54] Bansal A, Bajpai R, Saini JP. (2007). Simulation of Image Enhancement Techniques Using Matlab. *Proc - 1st Asia Int Conf Model Simul Asia Model Symp 2007, AMS 2007*; (1):296-301. doi:10.1109/AMS.2007.92
- [55] Ra DM, Setiawan I, Dewanta W, Nugroho HA, Supriyono H. (2019). Pengolah Citra Dengan Metode Thresholding; 15(2).
- [56] Mulyana DI, Wulandari A. (2024). Klasifikasi Citra Digital Mammografi Berdasarkan Luas Diameter Kanker Payudara dengan Metode K-Means Clustering. *J JTik (Jurnal Teknol Inf dan Komunikasi)*; 8(1):84-92. doi:10.35870/jtik.v8i1.1422

- [57] Banerjee P, Saha S. (2024). Development of an interactive GUI using MATLAB for the detection of type and stage of Breast Tumor: 1922-1927.
- [58] de la Luz Escobar M, De la Rosa JI, Galván-Tejada CE, et al. (2022). Breast Cancer Detection Using Automated Segmentation and Genetic Algorithms. *Diagnostics*; 12(12). doi:10.3390/diagnostics12123099
- [59] Maulida A, Nurhidayah N, Fendriani Y, Haryono H. (2022). Segmentasi Citra Mammogram Untuk Deteksi Dini Kanker Payudara Dengan Menggunakan Metode Otsu Thresholding. *J Fis Unand*; 11(2):180-186. doi:10.25077/jfu.11.2.180-186.2022
- [60] Putri Mallini T, Junianto E, Ramdhani Y. (2020). Deteksi Diameter Kanker Payudara Menggunakan Segmentasi Citra Berdasarkan Metode Otsu Thresholding. *J Responsif Ris Sains dan Inform*; 2(2):204-212. doi:10.51977/jti.v2i2.289

