

DAFTAR PUSTAKA

- Anam, C., Adi, K., Sutanto, H., Arifin, Z., Budi, W. S., Fujibuchi, T., & Dougherty, G. 2020. *Noise reduction in CT images using a selective mean filter*. Journal of Biomedical Physics and Engineering, 10(5), 623–634. <https://doi.org/10.31661/jbpe.v0i0.2002-1072>
- Anam, C., Naufal, A., Budi, W. S., Sutanto, H., Haryanto, F., & Dougherty, G. 2023. *IndoQCT Software for evaluating the quality of computed tomography images Manual-English*. Semarang, Undip Press.
- Barca P, Giannelli M, Fantacci ME, Caramella D. 2017. *Evaluation of the Imaging Properties of a CT Scanner with the Adaptive Statistical Iterative Reconstruction Algorithm-Noise, Contrast and Spatial Resolution Properties of CT Images Reconstructed at Different Blending Levels*. In International Conference on Biomedical Electronics and Devices. 2017;2: 200-6.
- Bisra, M., Wibowo, G. M., & Setiawan, A. N. 2022. Penerapan Adaptive *Statistical Iterative Reconstruction Pada Perbaikan Kualitas Citra Dan Dosis Ct Scan Chest*. Medical Imaging and Radiation Protection Research (MIROR) Journal, 2(2), 27–31. <https://doi.org/10.54973/mirror.v2i2.223>
- Budiwati, T. 2019. *Analisis Penggunaan Adaptive Statistical Iterative Reconstruction (ASIR) terhadap Kualitas Citra dan Dosis Radiasi pada CT Scan Thoraks (Studi Fantom)*. Tesis Magister Fisika Undip, Semarang.
- Bushberg, J.T. dan Boone, J.M., 2011, *The essential physics of medical imaging*, Lippincott Williams & Wilkins.
- Chen, P., Dong, B., Zhang, C., Tao, X., Wang, P. dan Zhu, L., 2020, *The histogram analysis of apparent diffusion coefficient in differential diagnosis of parotid tumor*. Dentomaxillofacial Radiology, 49, 5, 20190420.
- Diksi, P., Gaya, D. A. N., Pada, B., Jogoyudan, D. I. K., Lumajang, K., Lumajang, K., & Timur, J. 2016. *Analisis Noise Berdasarkan Slice Thickness Dengan Teknik Irisan Axial Pada Citra Computed Tomography Scan (CT-Scan)*. Digital Repository Universitas.
- Ikeda, K., Awai, K., Mori, T., Kawanaka, K., Yamashita, Y. dan Nomori, H., 2007, *Differential diagnosis of ground-glass opacity nodules: CT number analysis by three-dimensional computerized quantification*, Chest, 132, 3, 984-990.
- Jacobsen, M. C., Thrower, S. L., Ger, R. B., Leng, S., Court, L. E., Brock, K. K., Tamm, E. P., Cressman, E. N. K., Cody, D. D., & Layman, R. R. 2021. *Current barriers and opportunities for advancement*. 47(8), 3752–3771. <https://doi.org/10.1002/mp.14241>. Multi-energy
- Jhaveri, K.S., Wong, F., Ghai, S. dan Haider, M.A., 2006, *Comparison of CT histogram analysis and chemical shift MRI in the characterization of indeterminate adrenal nodules*, American Journal of Roentgenology, 187, 5, 1303-1308.

- Kim, H., Park, C. M., Lee, M., Park, S. J., Song, Y. S., Lee, J. H., dan Goo, J. M., 2016, *Impact of reconstruction algorithms on CT radiomic features of pulmonary tumors: analysis of intra-and inter-reader variability and inter-reconstruction algorithm variability*, PloS one, 11, 10, e0164924.
- Kim, Y.J., Lee, H.J., Kim, K.G. dan Lee, S.H., 2019, *The effect of CT scan parameters on the measurement of CT radiomic features: a lung nodule phantom study*, Computational and Mathematical Methods in Medicine.
- Lee, G., Lee, H.Y., Park, H., Schiebler, M.L., van Beek, E.J., Ohno, Y., Seo, J.B. dan Leung, A., 2017, *Radiomics and its emerging role in lung cancer research, imaging biomarkers and clinical management: state of the art*. European journal of radiology, 86, 297-307.
- Lee, K.B., Nam, K.C., Jang, J.S. dan Kim, H.C., 2021. *Feasibility of the Quantitative Assessment Method for CT Quality Control in Phantom Image Evaluation*. Applied Sciences, 11, 8, 3570.
- Leipsic, J., LaBounty, T. M., Heilbron, B., Min, J. K., Mancini, G. B. J., Lin, F. Y., Taylor, C., Dunning, A., & Earls, J. P. 2010. *Adaptive statistical iterative reconstruction: assessment of image noise and image quality in coronary CT angiography*. American Journal of Roentgenology, 195(3), 649–654. <https://doi.org/10.2214/AJR.10.4285>
- Lo, P., Young, S., Kim, H.J., Brown, M.S. dan McNitt-Gray, M.F., 2016, *Variability in CT lung-nodule quantification: effects of dose reduction and reconstruction methods on density and texture based features*. Medical physics, 43, 8, 4854-4865.
- Malik, F. dan Baharudin, B., 2013. *The statistical quantized histogram texture features analysis for image retrieval based on median and laplacian filters in the dct domain*. The International Arab Journal of Information Technology, 10, 6, 1-9.
- Mansour, Z., Mokhtar, A., Sarhan, A., Ahmed, M.T. dan El-Diasty, T., 2016, *Quality control of CT image using American College of Radiology (ACR) phantom*. The Egyptian journal of Radiology and nuclear medicine, 47, 4, 1665-1671.
- Mansouri, M.E., Choukri, A., Talbi, M. dan Hakam, O.K., 2021, *Impact of tube voltage on radiation dose (CTDI) and image quality at chest CT examination*, Atom Indonesia, 47, 2, 105-109.
- Mas'uul, A.R.I. dan Sutanto, H., 2014, *Uji Kesesuaian Ct Number Pada Pesawat Ct Scan Multi Slice Di Unit Radiologi Rumah Sakit Islam YOGYAKARTA Pdhi*. Youngster Physics Journal, 3, 4, 335-340.
- Miles, K. A., Ganeshan, B., dan Hayball, M. P., 2013, *CT texture analysis using the filtration-histogram method: What do the measurements mean?*. Cancer Imaging, 13, 3, 400–406.
- Mostaço-Guidolin, L.B., Ko, A.C.T., Wang, F., Xiang, B., Hewko, M., Tian, G.,

- Major, A., Shiomi, M. dan Sowa, M.G., 2013, *Collagen morphology and texture analysis: from statistics to classification*. Scientific reports, 3,1, pp.1-10.
- Nisbett, W.H., Kavuri, A. and Das, M., 2020, *On the correlation between second order texture features and human observer detection performance in digital images*, Scientific Reports, 10, 1, 13510.
- Noh, S. S., Um, H. S., & Kim, H. C. 2014. *Development of Automatized Quantitative Analysis Method in CT Images Evaluation using AAPM Phantom*. Journal of the Institute of Electronics and Information Engineers, 51(12), 163–173. <https://doi.org/10.5573/ieie.2014.51.12.163>.
- Noveranty A, Purwaningsih S, Fendriani Y., 2024, *Analisis Pengaruh Variasi Faktor Eksposi Pada Ct Scan Terhadap Kualitas Citra Dan Dosis Radiasi Pada Pemeriksaan Abdomen*. Journal Online of Physics, Vol.9 No.3, Juli 2024: 53 - 59.
- Nowik, P., 2020, *Optimizing computed tomography: quality assurance, radiation dose and contrast media*. Disertasi, Karolinska Institutet Sweden.
- Padole A, Khawaja DR, Kalra MK, et al. 2015. *CT radiation dose and iterative reconstruction techniques*. AJR Am J Roentgenol, 204: W384–92 CrossRefMedline
- Pratama Putra, R. A., Rahardjo, P., & Pramono, P. 2020. *Analysis of Asir Variation Effect To Snr on Unenhanced Abdominal Ct Scan in Urolithiasis*. Journal of Vocational Health Studies, 4(2), 78. <https://doi.org/10.20473/jvhs.v4.i2.2020.78-82>
- Prezzi, D., Owczarczyk, K., Bassett, P., Siddique, M., Breen, D. J., Cook, G. J. R., & Goh, V. 2019. *Adaptive statistical iterative reconstruction (ASIR) affects CT radiomics quantification in primary colorectal cancer*. European Radiology, 29(10), 5227–5235. <https://doi.org/10.1007/s00330-019-06073-3>
- Ramola, A., Shakya, A. K., & Van Pham, D. 2020. *Study of statistical methods for texture analysis and their modern evolutions*. Engineering Reports, 2(4), 1–24. <https://doi.org/10.1002/eng2.12149>.
- Ramadhaningtyas, L. 2020. *Analisa Variasi Nilai Adaptive Statistical Iterative Reconstruction (Asir) Terhadap Informasi Citra Reduksi Noise Pada Ct- Scan Abdomen*. Repository Unair, Surabaya.
- Razi, T., Manaf, N. V., Yadekar, M., Razi, S., & Gheibi, S. 2019. *Correction of Cupping Artifacts in Axial Cone-Beam Computed Tomography Images by Using Image Processing Algorithms*. Journal of Advanced Oral Research, 10(2), 132–136. <https://doi.org/10.1177/2320206819870898>.
- Schofield, R., King, L., Tayal, U., Castellano, I., Stirrup, J., Pontana, F., Earls, J. dan Nicol, E. 2020. *Image reconstruction: Part 1–understanding filtered back projection, noise and image acquisition*, Journal of cardiovascular computed tomography, 14, 3, 219-225.

- Setiawati, E., Anam, C., Widyasari, W., & Dougherty, G. 2023. *The Quantitative Effect of Noise and Object Diameter on Low-Contrast Detectability of AAPM CT Performance Phantom Images*. *Atom Indonesia*, 49(1), 61–66. <https://doi.org/10.55981/aij.2023.1228>
- Seeram, E., 2016, *Computed Tomography Physical Principles, Clinical Applications, and Quality Control*, Edisi Keempat, W.B. Saunders. Company, Philadelphia.
- Shuman, W. P. 2010. *Adaptive Iterative Reconstruction in CT: What Does It Do? How Can I Use It?*. *Image Wisely*, 44(November), 35–37. <https://www.imagewisely.org/-/media/Image-Wisely/Files/CT/IW-Shuman-ASIR.pdf?la=en>.
- Silva, R. S. M. 2021. *Uji Kesesuaian CT number pada Pesawat CT scan Multislice*. Diploma thesis, Fakultas Kesehatan Dan Keteknisian Medis. <http://eprints.uwhs.ac.id/id/eprint/105>.
- Sipan, M., & Pramuyanti, R. K. 2021. *Analisis Citra Kuning Telur Berbasis Ekstraksi Ciri Statistika Orde Satu untuk Mengenali Jenis Telur Ayam Ras dan Ayam Kampung*. *Elektrika*, 13(2), 74. <https://doi.org/10.26623/elektrika.v13i2.4250>.
- Srinivasan, G.N. dan Shobha, G. 2008. *Statistical texture analysis*. *Proceedings of world academy of science, engineering and technology*, 36, 1264-1269.
- Stiller, W. 2018. *Basics of iterative reconstruction methods in computed tomography: a vendor-independent overview*, *European journal of radiology*, 109, 147-154.
- Tomita, F., & Tsuji, S. 1990. *Statistical Texture Analysis*. *Computer Analysis of Visual Textures*, 36(December), 13–36. https://doi.org/10.1007/978-1-4613-1553-7_2
- Tsai, D.Y., Lee, Y. dan Matsuyama, E., 2008, *Information entropy measure for evaluation of image quality*, *Journal of digital imaging*, 21, 338-347.
- Vegas-Sánchez-Ferrero, G., Ledesma-Carbayo, M.J., Washko, G.R. dan Estépar, R.S.J., 2017, *Statistical characterization of noise for spatial standardization of CT scans: enabling comparison with multiple kernels and doses*, *Medical image analysis*, 40, 44-59.
- Wahyuni, S., & Amalia, L. 2022. *Perkembangan Dan Prinsip Kerja Computed Tomography (CT Scan)*. *GALENICAL: Jurnal Kedokteran Dan Kesehatan Mahasiswa Malikussaleh*, 1(2), 88. <https://doi.org/10.29103/jkkmm.v1i2.8097>
- Wu, J., Xie, S., Li, Z. dan Wu, S. 2022. *Image noise level estimation via kurtosis test*, *Journal of Electronic Imaging*, 31, 3, 033015-033015.
- Xiuhua, G., Tao, S. dan Zhigang, L., 2011, *Prediction models for malignant pulmonary nodules based-on texture features of CT image*, In *Theory and Applications of CT Imaging and Analysis*, IntechOpen.

- Yamashita, K., Yoshiura, T., Hiwatashi, A., Togao, O., Kikuchi, K., Inoguchi, T., Kumazawa, S. dan Honda, H., 2014, *The radiological diagnosis of fenestral otosclerosis: the utility of histogram analysis using multidetector row CT*, *European Archives of Oto-Rhino-Laryngology*, 271, 3277-3282.
- Yuda Permadi, & Murinto. 2015. *Buah Menggunakan Metode Ekstraksi Ciri Statistik*. *Jurnal Informatika*, 9(1), 1028–1038.
- Zhang, H., Ouyang, L., Ma, J., Huang, J., Chen, W., dan Wang, J. 2014. *Noise correlation in CBCT projection data and its application for noise reduction in low-dose CBCT*, *Med Phys*, 41, 031906.
- Zhao, B., Tan, Y., Tsai, W.Y., Qi, J., Xie, C., Lu, L. dan Schwartz, L.H., 2016. *Reproducibility of radiomics for deciphering tumor phenotype with imaging*, *Scientific reports*, 6, 1, 1-7.
- Zwanenburg, A., Leger, S., Vallières, M. dan Löck, S., 2016, *Image biomarker standardisation initiative-feature definitions*, *American Journal of Roentgenology*, 1612.07003, 10.