DAFTAR PUSTAKA

Abdulkareem, N.K., Hajee, S.I., Hassan, F.F., Ibrahim, I.K., A-Khalidi, R.E.H. dan Abdulqader, N.A. (2023) 'Investigating the slice thickness effect on noise and diagnostic content of single-source multi-slice computerized axial tomography', *Journal of Medicine and Life*, 16(6), pp. 862–867. Available at: https://doi.org/10.25122/jml-2022-0188.

Abel, R., Prime, M., Jin, A., Cobb, J. dan Bhattacharya, R. (2013) '3D Imaging Bone Quality: Bench to Bedside', *Hard Tissue*, 2(5). Available at: https://doi.org/10.13172/2050-2303-2-5-952.

Abella, M., Martinez, C., Garcia, I., Moreno, P., Molina, C.D. dan Desco, M. (2021) 'Tolerance to Geometrical Inaccuracies in CBCT systems: A Comprehensive Study', *Medical Physics*, 48(10), pp. 6007–6019. Available at: https://doi.org/10.1002/mp.15065.

Alamah, N.N. (2024) Evaluasi Perbandingan Jarak Geometris Citra Computed Tomography (CT) Scan Potongan Miring Hasil Rekonstruksi IndoQCT dan Radiant DICOM. Jurusan Fisika Universitas Diponegoro.

Alikhani, B., Jamali, L., Raatschen, H.J., Wacker, F. dan Werncke,T. (2017) 'Impact of CT parameters on the physical quantities related to image quality for two MDCT scanners using the ACR accreditation phantom: A phantom study', *Radiography*, 23(3), pp. 202–210. Available at: https://doi.org/10.1016/j.radi.2017.03.013.

Alzain, A.F., Elhussein, Nagwan., Fadulelmulla, I.A., Ahmed, A.M., Elbashir, M.E. dan Elamin, B.A. (2021) 'Common computed tomography artifact: source and avoidance', *Egyptian Journal of Radiology and Nuclear Medicine*, 52(1), p. 151. Available at: https://doi.org/10.1186/s43055-021-00530-0.

Anam, C., Naufal, A., Budi, W.S., Susanto, H., Haryanto, F. dan Dougherty, G. (2023) 'IndoQCT: A Platform For Automated CT Image Quality Assessment', Medical Physics International Journal, 11(2).

Anam, C., Naufal, A., Dwihapsari, Y., Fujibuchi, T. dan Dougherty, G. (2024) 'A Practical Method for Slice Spacing Measurement Using the American Association of Physicists in Medicine Computed Tomography Performance Phantom', *Journal of Medical Physics*, 49(1), pp. 103–109. Available at: https://doi.org/10.4103/jmp.jmp_155_23.

Ardiyanto, J., Darmini, D. dan Sari, W.P. (2017) 'Analisis Variasi Rekonstruksi Increment Overlapping terhadap Informasi Citra Anatomi pada Pemeriksaan MSCT Nasofaring dengan Klinis Karsinoma', *Jurnal Imejing*

Diagnostik (JImeD), 3(1), pp. 204–212. Available at: https://doi.org/10.31983/jimed.v3i1.3186.

Bae, Y.-K., Lee, J.-W. da Hong, S. (2020) 'Effects of image distortion and Hounsfield unit variations on radiation treatment plans: An extended field-of-view reconstruction in a large bore CT scanner', *Scientific Reports*, 10(1), p. 473. Available at: https://doi.org/10.1038/s41598-020-57422-y.

Bai, H., Su, M., Pang, C., Xiong, Z., Xia, B. dan Zhao, D. (2023) 'An image reconstruction method for transmission computed tomography with the constraint of the linear attenuation coefficients', *Applied Radiation and Isotopes*,202,p.111062.Availableat:https://doi.org/10.1016/j.apradiso.2023.111062.

Brahme, A. (2014) '*Comprehensive Biomedical Physics'*. Elsevier: Berkeley University

Bushberg, J.T. (ed.) (2012) *The essential physics of medical imaging*. 3rd ed. Philadelphia: Wolters Kluwer Health/Lippincott Williams & Wilkins.

Cierniak, R. (2011) *X-Ray Computed Tomography in Biomedical Engineering*. London: Springer London. Available at: https://doi.org/10.1007/978-0-85729-027-4.

Harada, T. dan Takemura, A. (2023) 'Distortion verification of helical computed tomography for image-guided radiotherapy', *Journal of Radiotherapy in Practice*,22,p.e76.Availableat:https://doi.org/10.1017/S1460396923000316.

Hobson, M.A., Soisson, E.T., Davis, S.D., Parker, W. (2014) 'Using the ACR CT accreditation phantom for routine image quality assurance on both CT and CBCT imaging systems in a radiotherapy environment', *Journal of Applied Clinical Medical Physics*, 15(4), pp. 226–239. Available at: https://doi.org/10.1120/jacmp.v15i4.4835.

Insiano, D.A., Anam, C., Hidayanto, E., Naufal, A. dan Maya, A.T. (2022) 'Optimal Threshold for Automatic Slice Thickness Measurement using Images of the American College of Radiology (ACR) CT Accreditation Phantom', *International Journal of Scientific Research in Science and Technology*, pp. 437–444. Available at: https://doi.org/10.32628/IJSRST229651.

Iskandar, A.N., Jeniyanthi, N.P.R. dan Darmita, I.M.P. (2022) 'Analisis Pengaruh Variasi Slice Thickness Terhadap Kualitas Citra Pemeriksaan Ct Scan Thorax Dengan Kasus Tumor Paru Di RS Ibnu Sina Yw-Umi Makassar', 2(2).

Jung, H. (2021) 'Basic Physical Principles and Clinical Applications of Computed Tomography', *Progress in Medical Physics*, 32(1), pp. 1–17. Available at: https://doi.org/10.14316/pmp.2021.32.1.1.

Khural, B.S., Beck, M.B., Fournie, E., Stierstorfer, K., Huang, Y. dan Maier, A. (2022) 'Deep learning-based extended field of view computed tomography image reconstruction: influence of network design on image estimation outside the scan field of view', *Biomedical Physics & Engineering Express*, 8. Available at: https://doi.org/10.1088/2057-1976/ac47fc.

Kim, D., Lee, H., Shin, D.S. dan Lee, Y. (2025) 'Feasibility study of hybrid scanning technique parameters on dose reduction and CT-image quality', *Radiation Physics and Chemistry*, 226, p. 112179. Available at: https://doi.org/10.1016/j.radphyschem.2024.112179.

Kuo, H.-C., Mahmood, U., Kirov, A.S., Trotman, T., Lin, S.C., Mechalakos, J.G., Biancia, C.D., Cervino, L.I. dan Lim, S.H. (2024) 'Standardization of scan protocols for RT CT simulator from different vendors using quantitative image quality technique', *Journal of Applied Clinical Medical Physics* [Preprint]. Available at: https://doi.org/10.1002/acm2.14484.

Lasek, J. and Piórkowski, A. (2021) 'CT Scan Transformation from a Sharp to a Soft Reconstruction Kernel Using Filtering Techniques', in S.K. Singh et al. (eds) *Computer Vision and Image Processing*. Singapore: Springer Singapore (Communications in Computer and Information Science), pp. 56–65. Available at: https://doi.org/10.1007/978-981-16-1086-8_6.

Lestari, A.A. (2014) 'Analisis Noise Level Hasil Citra CT Scan Pada Tegangan Tabung 120 kV Dan 135 kV dengan Variasi Ketebalan Irisan', 3(3).

Lubis, A.J. (2020) 'Pemanfaatan CT-Scan (Computer Tomography) Dalam Dunia Medis'.

Manson, E., Ampoh, V.A., Fiagbedzi, E., Amuasi, J.H., Flether, J.J., dan Schandorf, C. (2019) 'Image Noise in Radiography and Tomography: Causes, Effects and Reduction Techniques', *Clinical & Medical Imaging*, 3(4).

Monnin, P., Sfameni, N., Gainoli, A. dan Ding, S. (2017) 'Optimal slice thickness for object detection with longitudinal partial volume effects in computed tomography', *Journal of Applied Clinical Medical Physics*, 18(1), pp. 251–259. Available at: https://doi.org/10.1002/acm2.12005.

Nofrianto, N., Anam, C., Hidayanto, E., dan Naufal, A. (2023) 'Comparison of MTFs Measured using IndoQCT and ImQuest Software on GE CT Phantom Images', *International Journal of Scientific Research in Science andTechnology*,pp.852858.Availableat:https://doi.org/10.32628/IJSRST5 23103156.

Noveranty, A., Purwaningsih, S. and Fendriani, Y. (2024) 'Analisis Pengaruh Variasi Faktor Eksposi Pada CT Scan Terhadap Kualitas Citra dan Dosis Radiasi Pada Pemeriksaan Abdomen', *Journal Online Of Physics*, 9(3), pp. 53–59. Available at: https://doi.org/10.22437/jop.v9i3.35155.

Oglat, A.A. (2022) 'Comparison of X-ray films in term of kVp, mA, exposure time and distance using Radiographic Chest Phantom as a radiation quality', *Journal of Radiation Research and Applied Sciences*, 15(4), p. 100479. Available at: https://doi.org/10.1016/j.jrras.2022.100479.

Phantom Overview: CT (Revised 1-3-2024) : Accreditation Support. Available at: https://accreditationsupport.acr.org/support/solutions/articles/110000539 45-phantom-overview-ct-revised-1-3-2024- (Accessed: 12 September 2024).

Pratiwi, R.F., Pulungan, E.S. dan Andini, D. (2023) 'Pengaruh Faktor Eksposi Terhadap Kualitas Citra Radiografi Pada Pemeriksaan Thorax', *JRI (Jurnal Radiografer Indonesia)*, 6(1), pp. 38–41. Available at: https://doi.org/10.55451/jri.v6i1.173.

Putra, H. (2018) 'Implementasi Thresholding Citra CT Scan Menggunakan Metode Embedded Zerotree Wavelet (Ezw) Untuk Kompresi', 7.

Rabba, J.A., Suhaimi, F.M., Jafri, M.Z.M., Jaafar, H.A. dan Osman, N.D. (2023) 'Automated measurement for image distortion analysis in 2D panoramic imaging of dental CBCT system: A phantom study', *Radiography*, 29(3), pp. 533–538. Available at: https://doi.org/10.1016/j.radi.2023.02.028.

Samei, E. and Pelc, N.J. (2020) *Computed Tomography: Approaches, Applications, and Operations*. Cham: Springer International Publishing. Available at: https://doi.org/10.1007/978-3-030-26957-9.

Satria, A. Kholid, A.U., Muttaqin, D., Prasnowo, H., Maulana, M.R., Farhan, M., Ramdani, M., Rajendra, R., Yahya, P.M., Suwandi, R. dan Suryaningrat. (2023) 'Mengenal Apa Itu Microsoft Excel', *APPA : Jurnal Pengabdian Kepada Masyarakat*, 1(4), pp. 237–241.

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), pp. 219–225. Available at: https://doi.org/10.1016/j.jcct.2019.04.008.

Seeram, E. (2016) *Computed tomography: physical principles, clinical applications, and quality control*. Fourth edition. St. Louis, Missouri: Elsevier.

Seeram, E. (2021) 'Computed Tomography: Physics and Technology A Self Assessment Guide', *Computed Tomography*

Setiawati, E., Anam, C., Widyasari,W. dan Dougherty, G. (2023) 'The Quantitative Effect of Noise and Object Diameter on Low-Contrast Detectability of AAPM CT Performance Phantom Images', *Atom Indonesia*, 1(1), pp. 61–66. Available at: https://doi.org/10.55981/aij.2023.1228.

Stiller, W. (2018) 'Basics of iterative reconstruction methods in computed tomography: A vendor-independent overview', *European Journal of Radiology*, 109, pp. 147–154. Available at: https://doi.org/10.1016/j.ejrad.2018.10.025.

Vergalasova, I. McKenna, M., Yue, N.J. dan Reyhan, M. (2020) 'Impact of computed tomography (CT) reconstruction kernels on radiotherapy dose calculation', *Journal of Applied Clinical Medical Physics*, 21(9), pp. 178–186. Available at: https://doi.org/10.1002/acm2.12994.

Wahyuni, S. and Amalia, L. (2022) 'Perkembangan Dan Prinsip Kerja Computed Tomography (CT Scan)', *GALENICAL : Jurnal Kedokteran dan Kesehatan Mahasiswa Malikussaleh*, 1(2), p. 88. Available at: https://doi.org/10.29103/jkkmm.v1i2.8097.

Wu, S., Nakao, M., Imanishi, K., Nakamura, M., Mizowaki, T. dan Matsuda, T. (2022) 'Computed Tomography slice interpolation in the longitudinal direction based on deep learning techniques: To reduce slice thickness or slice increment without dose increase', *PLOS ONE*. Edited by H. Shan, 17(12),p.e0279005.Availableat:https://doi.org/10.1371/journal.pone.0279005.