

## DAFTAR PUSTAKA

- American College of Radiology. (2018). Phantom Test guidance for use of the large MRI phantom for the ACR MRI accreditation program. *Reston, VA: American College of Radiology.*
- Anam, C., Fujibuchi, T., Budi, W. S., Haryanto, F., & Dougherty, G. (2018). 'An algorithm for automated modulation transfer function measurement using an edge of a PMMA phantom: Impact of field of view on spatial resolution of CT images'. *Journal of applied clinical medical physics*, 19(6), pp. 244-252.
- Anam, C., Naufal, A., Budi, W., Sutanto, H., Haryanto, F., & Dougherty, G. (2022). *IndoQCTv22a: Software for evaluating the quality of computed tomography images*. Technical report December.
- Arisyi, F. R., Anam, C., & Widodo, C. E. (2021). 'Comparison of MTF measurement methods in CT images for various reconstruction kernels', *Int J Sci Res in Sci & Technol*, 8(3), 396-405.
- Benjamin, M. M., Shaker, M., & Rabbat, M. G. (2022). 'Assessing coronary artery disease using coronary computed tomography angiography'. In *Cardiovascular and Coronary Artery Imaging*. Academic Press. pp. 129-145
- Bushberg, J. T., Seibert, J. A., Leidholdt Jr, E. M., & Boone, J. M. (2012). *The essential physics of medical imaging*. Lippincott Williams & Wilkins.
- Buzug, T. M. (2011). 'Computed tomography'. In *Springer handbook of medical technology* (pp. 311-342). Berlin, Heidelberg: Springer Berlin Heidelberg.
- CIRS. (2025). AAPM CT Performance Phantom. Diakses pada 20 Januari 2025 dari <https://www.cirsinc.com/products/all/31/aapm-ct-performance-phantom/>
- Droegge, R. T., & Morin, R. L. (1982). 'A practical method to measure the MTF of CT scanners'. *Medical physics*, 9(5), pp. 758-760.
- El-Baz, A. S., & Suri, J. (Eds.). (2021). *Cardiovascular and Coronary Artery Imaging: Volume I*. Academic Press.
- Febriani, S. (2022). 'Analisis Deskriptif Standar Deviasi'. *Jurnal Pendidikan Tambusai*, 6(1), pp. 910-913.
- Ginat, D. T., & Gupta, R. (2014). 'Advances in computed tomography imaging technology'. *Annual review of biomedical engineering*, 16(1), pp. 431-453.
- Goldman, L. W. (2007). 'Principles of CT: radiation dose and image quality'. *Journal of nuclear medicine technology*, 35(4), pp. 213-225.
- Gonzalez, R. C., & Woods, R. E. (2017). *Digital Image Processing* (4th ed.). Pearson.

- Gopal, A., & Samant, S. S. (2009). 'Use of a line-pair resolution phantom for comprehensive quality assurance of electronic portal imaging devices based on fundamental imaging metrics', *Medical physics*, 36(6Part1), pp. 2006-2015.
- Greene-Donnelly, K. A., & Ogden, K. M. (2016). 'Evaluation of commercial extension plates for the ACR CT accreditation phantom'. *Journal of Applied Clinical Medical Physics*, 17(1), pp. 416-420.
- Greffier, J., Barbotteau, Y., & Gardavaud, F. (2022). 'iQMetrix-CT: New software for task-based image quality assessment of phantom CT images'. *Diagnostic and Interventional Imaging*, 103(11), pp. 555-562.
- Hermena, S., & Young, M. (2023). *CT-scan image production procedures*. StatPearls.
- Image Owl. (2025). *GE CT QA Phantom*. Diakses pada 20 Januari 2025 dari <https://help.imageowl.com/hc/en-us/articles/4403105543187-GE-CT-QA-Phantom>
- IndoSect. (2025). *IndoQCT: Software for Evaluating the Quality of Computed Tomography Images*. Diakses pada 20 Januari 2025 dari <https://indosect.com/indoqct/>
- Krupinski, E. A. (2010). 'Current perspectives in medical image perception'. *Attention, Perception, & Psychophysics*, 72(5), pp. 1205-1217.
- Lévêque, L., Outtas, M., Liu, H., & Zhang, L. (2021). "Comparative study of the methodologies used for subjective medical image quality assessment". *Physics in Medicine & Biology*, 66(15), pp. 15TR02.
- Louk, A. C., & Suparta, G. B. (2014). 'Pengukuran Kualitas Sistem Pencitraan Radiografi Digital Sinar-X'. *Bimipa*, 24(2), pp.149-166.
- Luiten, A. L. (1995). 'Technical note Digital: discrete perfection'. *MEDICAMUNDI*, 40, pp. 95-100.
- Mansour, Z., Mokhtar, A., Sarhan, A., Ahmed, M. T., & 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), pp. 1665-1671.
- MediProma. (2025). *Siemens CT Phantom*. Diakses pada 20 Januari 2025 dari <https://mediproma.nl/en/product/siemens-ct-phantom/>
- Nofrianto, N., Anam, C., Hidayanto, E., & Naufal, A. (2023). 'Comparison of MTFs Measured using IndoQCT and ImQuest Software on GE CT Phantom Images'. *Int J Sci Res Sci Technol [Internet]*, 852-8.
- 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*, 9(3), pp. 53-59.
- Pan, X., Sidky, E. Y., & Vannier, M. (2009). 'Why do commercial CT scanners still employ traditional, filtered back-projection for image reconstruction?'. *Inverse problems*, 25(12), pp. 123009.
- Park, H. J., & Har, D. H. (2011). "Subjective image quality assessment based on objective image quality measurement factors". *IEEE Transactions on Consumer Electronics*, 57(3), pp. 1176-1184.
- Phantom Lab. (2025). *Catphan Phantoms*. Diakses pada 20 Januari 2025 dari <https://www.phantomlab.com/catphan-phantoms>
- Pogue, B. W., & Patterson, M. S. (2006). 'Review of tissue simulating phantoms for optical spectroscopy, imaging and dosimetry'. *Journal of biomedical optics*, 11(4), pp. 041102-041102.
- Rahmadi, D. (2023) *Pengukuran Otomatis Resolusi Spasial Citra Computed Tomography pada Obyek Line-Pair Fantom American College of Radiology Menggunakan Python*. Jurusan Fisika UNDIP
- Rosanti, F. (2022). Pengaruh Outdoor Learning Math dengan Pendekatan Math City Mapper terhadap Kemampuan Pemecahan Masalah pada Kelas XII SMK YAPIM Pinang Awan. *Jurnal Cendekia: Jurnal Pendidikan Matematika*, 6(2), 1387-1402.
- Salimova, N., Hinrichs, J. B., Gutberlet, M., Meyer, B. C., Wacker, F. K., & von Falck, C. (2022). 'The impact of the field of view (FOV) on image quality in MDCT angiography of the lower extremities', *European Radiology*, 32(5), pp. 2875-2882.
- Samei Research Group. (2025). *ImQuest*. Diakses pada 20 Januari 2025 dari <https://gitlab.oit.duke.edu/railabs/SameiResearchGroup/imquest>
- Seeram, E. (2016). *Computed tomography: physical principles, clinical applications, and quality control* 4<sup>th</sup> ed. Elsevier.
- Sensusiati, A. D. (2018). 'Optimalisasi Window Width Dan Window Level Pada Lung Window Terhadap Informasi Anatomi Ct Scan Thoraks Kasus Tumor Paru Di Rsudtugurejo Provinsi Jawa Tengah'. *Jurnal Imejing Diagnostik*, 4(2), pp. 62-67.
- Setyawan, H. T., & Suryono, S. (2014). 'Uji Resolusi Spasial Pada Perangkat Lunak Computed Radiography Menggunakan Pengolahan Citra Digital'. *Youngster Physics Journal*, 3(4), pp. 311-316.
- Sinaga, A. S. R. (2017). 'Implementasi Teknik Threshoding Pada Segmentasi Citra Digital'. *Jurnal Mantik Penusa*, 1(2).

- Sinaga, E. S. (2015). 'Measurement of Spatial Resolution of Ultrasonic Tomography by Measuring The Line Spread Function'. *Radiasi: Jurnal Berkala Pendidikan Fisika*, 6(1), pp. 111-117.
- Smith, C. B. (1982). 'A phantom for "mapping" slice thickness in X-ray computed tomography'. *The British Journal of Radiology*, 55(657), pp. 664-667.
- VandenBos, G. R. (2007). *APA Dictionary of Psychology*. American Psychological Association.
- Yusanti, W., Setia Budi, W., & Adi, K. (2014). 'Penentuan Quality Control (Qc) Resolusi Spasial Pada Citra Ct Scan Dengan Metode Line Spread Function (Lsf) Dan Point Spread Function (Psf) Menggunakan Phantom Aapm Ct Performance'. *Berkala Fisika*, 17(2), pp. 39-44.