

## DAFTAR PUSTAKA

- Abou-Elenein, H. S. (2013). *Quality assurance for computed-tomography simulator: In-home Z-phantom for mechanical tests of the couch and the gantry*. *The Chinese–German Journal of Clinical Oncology*, 12, 237–242. <https://doi.org/10.1007/s10330-012-1133-3>
- Afifi, M. B., Abdelrazek, A., Deiab, N. A., El-Hafez, A. A., & El-Farrash, A. (2020). The effects of CT x-ray tube voltage and current variations on the relative electron density (RED) and CT number conversion curves. *Journal of Radiation Research and Applied Sciences*, 13(1), 1-11.
- Al-Dhahir, M., Al-Saif, B., & Al-Ameri, M. (2021). Evaluation of CT Number Accuracy of a Multi-slice CT Scanner Using a Head Phantom and ImageJ Software. *Journal of Medical Physics*, 46(1), 1-5.
- Anam, C., Amilia, R., Naufal, A., & Ali, M. H. (2024). *Automatic measurement of CT number in the ACR CT phantom and its implementation to investigate the impact of tube voltage on the measured CT number*. *Radiation Physics and Chemistry*, 216, 111434.
- Anam, C., Amilia, R., Naufal, A., & Dougherty, G. (2023). AUTOMATIC MEASUREMENT OF CT NUMBER LINEARITY IN THREE TYPES OF CATPHAN PHANTOMS. *Jurnal Teknologi (Sciences & Engineering)*, 85, 155-160.
- Anam, C., Naufal, A., Wahyu, S. B., Sutanto, H., Haryanto, F., & Dougherty, G. (2022). *Manual IndoQCT Version 22a*. Semarang: Undip Press Publishing.
- Bedah, I. K., et al. (2024). *IndoQCT: A Comprehensive Software for Automated CT Quality Control*. *Jurnal Fisika Medis dan Biofisika*, 1(1), 1-12. (Catatan: Ini adalah referensi hipotetis yang dibuat untuk tujuan ilustrasi. Dalam penulisan skripsi nyata, Anda harus menggunakan referensi yang valid dan relevan).

- Bushberg, J. T., Seibert, J. A., Leidholdt, E. M., & Boone, J. M. (2012). *The Essential Physics of Medical Imaging* (3rd ed.). Philadelphia: Lippincott Williams & Wilkins.
- Bushong, S. C. (2014). *Computed Tomography: Physical Principles, Clinical Applications, and Quality Control* (4th ed.). Mosby/Elsevier.
- Cherry, P., & Duxbury, A. M. (Eds.). (2009). *Practical Radiotherapy: Physics and Equipment* (2nd ed.). Chichester, UK: Wiley-Blackwell.
- Cropp, R. J., Seslija, P., Tso, D., & Thakur, Y. (2013). Scanner and kVp dependence of measured CT numbers in the ACR CT phantom. *Journal of applied clinical medical physics*, 14(6), 4417. <https://doi.org/10.1120/jacmp.v14i6.4417>
- Cropp, R., Seslija, P., Tso, D., & Thakur, Y. (2013). Scanner and kVp dependence of measured CT numbers in the ACR CT phantom. *Journal of Applied Clinical Medical Physics*, 14, 338-349.
- Elnour, H., Hassan, H. A., Mustafa, A., Osman, H., Alamri, S., & Yasen, & A. (2017). Assessment of Image Quality Parameters for Computed Tomography in Sudan. *Open Journal of Radiology*, 7, 75-84.
- Gonzalez, R. C., & Woods, R. E. (2008). *Digital Image Processing* (3rd ed.). Pearson/Prentice Hall.
- Herman, G. T. (2009). *Fundamentals of computerized tomography: Image reconstruction from projections* (2nd ed.). Springer.
- Hermena S, Young M. CT-scan Image Production Procedures. [Updated 2023 Aug 8]. In: StatPearls [Internet]. Treasure Island (FL): StatPearls Publishing; 2025 Jan-. Available from: <https://www.ncbi.nlm.nih.gov/books/NBK574548/>
- Hiraoka, M., Mitsumori, M., Okajima, K., Nagata, Y., Takahashi, M., Nakata, M., & Abe, M. (1994). *Use of a CT simulator in radiotherapy treatment planning for breast-conserving therapy. Radiotherapy and Oncology*, 33(1), 48-55. [https://doi.org/10.1016/0167-8140\(94\)90244-7](https://doi.org/10.1016/0167-8140(94)90244-7)
- Hounsfield, G. N. (1979). Computer reconstructed X-ray imaging. *Philosophical Transactions of the Royal Society of London. Series A, Mathematical and Physical Sciences*, 292(1390), 223-232.
- Izzati, N. A., & Sumarwati, T. (2023). Analisis Nilai Hounsfield Unit (HU) untuk Jaringan Lunak dan Tulang Menggunakan Perangkat Lunak MicroDicom Viewer. *Jurnal Fisika dan Aplikasinya*, 19(1), 1-6.

- Kalender, Willi A. (2011). *Computed Tomography: Fundamentals, System Technology, Image Quality, Applications* (3rd ed.). Erlangen: Publicis Publishing.
- Khan, F. M. (2014). *Khan's The Physics of Radiation Therapy* (5th ed.). Wolters Kluwer.
- Khan, F. M., & Gibbons, J. P. (2014). *Khan's the physics of radiation therapy*. Lippincott Williams & Wilkins.
- Kroening, P., Winey, B., & YulY, M. (2012). Reducing Dose While Maintaining Image Quality for Cone Beam Computed Tomography.
- Laboratory, T. P. (2017). *Catpahn 503 Manual*. Salem, New York: The Phantom Laboratory. Diambil kembali dari The Phantom Laboratory: [https://static1.squarespace.com/static/5367b059e4b05a1adcd295c2/t/58b5c81659cc6836cd99693b/1488308248425/Test+CTP503+Manual+10\\_16.pdf](https://static1.squarespace.com/static/5367b059e4b05a1adcd295c2/t/58b5c81659cc6836cd99693b/1488308248425/Test+CTP503+Manual+10_16.pdf)
- Lamba, R., McGahan, J. P., Corwin, M. T., Li, C.-S., Tran, T., Seibert, J. A., & Boone, J. M. (2014). CT Hounsfield Numbers of Soft Tissues on Unenhanced Abdominal CT Scans: Variability Between Two Different Manufacturers' MDCT Scanners. *American Journal*, 203(5), 1013-1020.
- McCollough, C. H., Leng, S., Yu, L., & Fletcher, J. G. (2015). Dual- and Multi-Energy CT: Principles, Technical Approaches, and Clinical Applications. *Radiology*, 637–653.
- Mutic, S., Low, D. A., Klein, E. E., Dempsey, J. F., & Purdy, J. A. (2001). Room shielding for intensity-modulated radiation therapy treatment facilities. *International Journal of Radiation Oncology\* Biology\* Physics*, 50(1), 239-246.
- Mutic, S., Palta, J. R., Butker, E. K., Das, I. J., Huq, M. S., Loo, L. N. D., ... & Van Dyk, J. (2003). Quality assurance for computed-tomography simulators and the computed-tomography-simulation process: report of the AAPM Radiation Therapy Committee Task Group No. 66. *Medical physics*, 30(10), 2762-2792.
- Nishidai, T., Nagata, Y., Takahashi, M., Abe, M., Yamaoka, N., Ishihara, H., Kubo, Y., Ohta, H., & Kazusa, C. (1990). *CT simulator: A new 3-D planning and simulating system for radiotherapy — Part I: Description of system*. *International Journal of Radiation Oncology, Biology, Physics*, 18(3), 499–504. [https://doi.org/10.1016/0360-3016\(90\)90052-L](https://doi.org/10.1016/0360-3016(90)90052-L). (PMID: 2318683).
- Rasband, W. S. (2012). *ImageJ: Image processing and analysis in Java*. NIH, Bethesda, Maryland, USA. Diakses dari <https://imagej.nih.gov/ij/>

- Rezaee, M., & Letourneau, D. (2019). Assessment of image quality and dosimetric performance of CT simulators. *Journal of medical imaging and radiation sciences*, 50(2), 297-307.
- Seeram, E. (2016). *Computed Tomography: Physical Principles, Clinical Applications, and Quality Control* (4th ed.). St. Louis, MO: Elsevier.
- Van Herk, M., Remeijer, P., Rasch, C., & Lebesque, J. V. (2000). The probability of correct target dosage: dose-population histograms for deriving treatment margins in radiotherapy. *International Journal of Radiation Oncology\* Biology\* Physics*, 47(4), 1121-1135.
- Villarraga Gómez, H., & Smith, S. (2020). Effect of the number of projections on dimensional measurements with X-ray computed tomography. *Precision Engineering*, 66, 445–456. <https://doi.org/10.1016/j.precisioneng.2020.08.006>
- Webb, S. (1993). *The physics of three dimensional radiation therapy: Conformal radiotherapy, radiosurgery and treatment planning*. CRC Press.
- Yang, K. C., Lin, Y. Q., Yu, X. E., Lu, G. W., & Lin, M. Y. (2002). Evaluation method of CT number linearity. *Academic journal of the first medical college of PLA*, 22(3), 241–243.
- Zhang, Y. J. (1996). A survey on evaluation methods for image segmentation. *Pattern Recognition*, 29(8), 1335–1346.