

DAFTAR PUSTAKA

- Allert, K. D., and DiBianca, F. A., 2005, An automated image evaluation procedure for computed tomography systems, *proceedings SPIE 5749, Medical Imaging 2005: Image Perception, Observer Performance, and Technology Assessment*, 527-537.
- Alzufri, H. S., dan Nurmiati, D., 2023, Pengaruh Parameter CT Untuk Optimasi Dosis Radiasi dan Radiasi dan Kualitas Citra CT-Scan pada Pemeriksaan Kepala dan Abdomen di RS Sentra Medika Cibinong, *Seminar SI-INTAN 2023*, 3(1): 17-22.
- Amatullah, N. S., Anam, C., Hidayanto, E., Naufal, A., and Dougherty, G., 2023, Automatic measurement of slice thickness in CT images of a Siemens fantom, *Biomedical Physics and Engineering Express*, 9(3): 1-10.
- Anam, C., Fujibuchi, T., Budi, W. S., Haryanto, F., and Dougherty, G., 2018, An algorithm for automated modulation transfer function measurement using an edge of a PMMA fantom: Impact of field of view on spatial resolution of CT images, *Journal of Applied Clinical Medical Physics*, 19(6): 244-252.
- Anam, C., Insiano. D. A., Hidayanto. E., Naufal. A., Maya. A. T., Mulatomo. T. D., and Ali. M. H., 2024, Automatic slice thickness measurement on computed tomography images of American College of Radiology fantom, *International Journal of Advances in Applied Sciences*, 13(2): 371-379.
- Asni, N., dan Utami, M. S. N., 2023, Quality Control CT Scan (Analisis dan Evaluasi Kualitas Citra), *Prosiding Seminar Si-INTAN*, 3(1): 82-86.
- Asriningrum, S., Aulia, N. H., Jannah, R. M., Ananda, G. M., Nurgiani, H., Ramdani, M. H., dan Kautsar, F. A., 2024, Peranan Window Width dan Window Level Pada Pemeriksaan Computed Tomography Scanner Toraks Dengan Klinis Aneurisma Aorta Di Rumah Sakit Al Islam Bandung, *Jurnal Teras Kesehatan*, 7(1): 30-35.
- Bindman, R. S., Kwan, M. L., Marlow, E. C., Theis, M. K., Bolch, W., Cheng, S. Y., Bowles, E. J. A., Dunca, J. R., Greenlee, R. T., Kushi, L. H., Pole, J. D., Rahm, A. K., Stout, N. K., Weinmann, S., and Miglioretti, D. L., 2019, Trends in Use of Medical Imaging in US Health Care Systems and in Ontario, Canada, 2000-2016, *Journal of the American Medical Association (JAMA)* 322(9): 843-856
- Brody, A. S., Frush, D. P., Huda, W., and Brent, R. L., 2007, Radiation Risk to Children From Computed Tomography, *Pediatrics*, 120(3): 677-682.
- Bushberg, J. T., Seibert, J. A., Leidholdt, E. M., and Boone, J. M., 2012, *The Essential Physics of Medical Imaging Third Edition*, Philadelphia, USA: Lippincott Williams & Wilkins.

- Bushong, S.C., 2001, *Radiologic Science for Technologists: Physics, Biology, and Protection* 7th Ed, Mosby.
- Cohen, S, L., Ward, T, J., and Cham, M, D., 2020, The relationship between CT scout landmarks and lung boundaries on chest CT: guidelines for minimizing excess z-axis scan length, *European Radiology*, 30(1): 581-587
- Cole, L, E., Ross, S, D., Tilley, J, M, R., Gogola, T, V., and Roeder, R, K., 2015, Gold nanoparticles as contrast agents in x-ray imaging and computed tomograph, *Nanomedicine*, 10(2): 321-341.
- Darmini, Setiyono, P, A., Rochmayanti, D., Kurniawan, A, N., and Setiawan, A, N., 2020, The Optimization of Mastoid CT Image Using Windows and Kernel Reconstructions, *Journal of Physics: Conference Series*, 1471: 1-7.
- Davis, C, M., Grant, C, A., Percy, M, J., Asakin, G, N., Labrom, R, D., Izatt, M, T., and Adam, C, J., Little, P., 2017, 475(3): 884-893.
- Dimitroukas, C, P., Metaxas, V, I., Efthymiou, F, O., Kalogeropoulou, C, P., Zampakis, P, E., and Panayiotakis, G, S., 2021, Patient dose audit in common CT examinations, *Radiation Physics and Chemistry*, 192: 1-14.
- Elnour, H., Hassan, H, A., Mustafa, A., Osman, H, Alamri, S., and Yasen, A., 2017, Assessment of Image Quality Parameters for Computed Tomography in Sudan, *Open Journal of Radiology*, 7: 75-84.
- Fanchon, L, M., Apte, A., Schmidlein, C, R., Yorke, E., Hu, Y, C., Dogan, S., Hatt, M., Visvikis, D., Humm, J, I., Solomon, S, B., and Kirov, A, S., 2017, Evaluation of the tumor registration error in biopsy procedures performed under real -time PET/CT guidance, *Medical Physics*, 44(10): 5089-5095.
- Fuadi, N., Jusli, N., dan Harmini., 2022, Pemantauan Dosis Perorangan Menggunakan Thermoluminescence Dosimeter (TLD) di Wilayah Papua dan Papua Barat Tahun 2020-2021, *Jurnal Sains, Fisika*, 2(1): 63-74.
- Gong, H., Ren, L., Hsieh, S, S., McCollough, C, H., and Yu, L., 2021, Deep learning enabled ultra-fast-pitch acquisition in clinical X-ray computed tomography, *Medical Physics*, 1-15.
- Hendee, W, R., and Ritenour, E, R., 2002, *Medical Imaging Physics*, New York, USA: Willey-Liss inc.
- Hussain, F, A., Mail, N., Shamy, A, M., Alghamdi, S., and Saoudi, A., 2016, A qualitative and quantitative analysis of radiation dose and image quality of computed tomography images using adaptive statistical iterative reconstruction, *Journal of Applied Clinical Medical Physics*, 17(3): 419-432.
- Kathon, B, O., Hartoyo, P., dan Samsun., 2022, Uji Resolusi Spasial dan Slice Thickness Pada CT Scan 128 dan 16 Slice dengan Menggunakan Fantom Quart DVT-Ap, *Jurnal Pembelajaran Fisika*, 11(3): 123-136.

- Kisnanto, T., Darlina., dan Rahardjo, T., 2018, Pengaruh Radiasi Pexion terhadap Kerusakan DNA pada Sel Limfosit Pekerja Medis dengan Menggunakan Uji Komet, *Jurnal Ilmiah Aplikasi Isotop dan Radiasi*, 14(2): 125-131.
- Knoll1, P., Kotalova, D., Köchle, G., Kuzelka, I., Minear, G., Mirzaei, S., Sámal, M., Zadrazil, L., and Bergmann, H., 2022, Comparison of advanced iterative reconstruction methods for SPECT/CT, *Zeitschrift für Medizinische Physik*, 22(1): 58-69.
- Makmur, I, W, A., Budi, W, S., dan Anam, C., 2013, Evaluasi Ketebalan Irisan (*slice thickness*) Pada Pesawat CT-Scan Single Slice, *Jurnal sains dan matematika*, 21(2): 42-47.
- Mansour, H, H., Alajerami, Y, S., and Foster, T., 2021, Estimation of Radiation Doses and Lifetime Attributable Risk of Radiation-induced Cancer from A Single Coronary Artery Bypass Graft Computed Tomography Angiography, *Electronic Journal of General Medicine*, 18(6): 1-8.
- Mekonin, T, S., and Deressu, T, T., 2023, Image quality and radiation dose assessment for the clinically applied 16-slice CT scanner using PMMA fantom and quality assurance fantom, *Egyptian Journal of Radiology and Nuclear Medicine*, 54(95): 1-7.
- Moradi, M., Wang, Y, G, H., Prasanna, P., and Mahmood, T, S., 2016, A hybrid learning approach for semantic labeling of cardiac CT slices and recognition of body position, *2016 IEEE 13th International Symposium on Biomedical Imaging (ISBI)*, 1418-1421.
- Oktaviani, A., Yarjohan, 2016, Perbandingan Resolusi Spasial, Temporal dan Radiometrik Serta Kendalanya, *Jurnal Enggano*, 1(2): 74-79.
- Pahn, G., Skornitzke, S., Schlemmer, H, P., Kauczor, H, U., and Stiller, W., 2016, Toward standardized quantitative image quality (IQ) assessment in computed tomography (CT): A comprehensive framework for automated and comparative IQ analysis based on ICRU Report 87, *Physica Medica*, 32(1): 104-115.
- Pamungkas, O, D., Utari, Suaryana., Riyatun., dan Hargiani, N., 2020 Optimalisasi Penggunaan Variasi Filter Pada Pesawat Sinar-X Mobile Guna Mencapai Nilai Entrance Skin Exposure (Ese) Sesuai Organ Pemeriksaan, *Prosiding SNFA (Seminar Nasional Fisika dan Aplikasinya)*, 177-182.
- Qin, Y., Rodet, T., Lambert, M., and Lesselier, D., 2021, Joint Inversion of Electromagnetic and Acoustic Data With Edge-Preserving Regularization for Breast Imaging, *IEEE Transactions on Computational Imaging*, 7: 349-360.
- Rad, S, S., Dehnavi, A, M., Nejatbakhsh, N., and Hajian, R., Design, Development, and Evaluation of Prototype Computed Tomography (CT) Simulator Laser

- System in Radiotherapy, *Journal of Isfahan Medical School*, 36(483): 637-643.
- Raman, S, P Mahesh, M., Blasko, R, V., and Fishman, E, K., CT Scan Parameters and Radiation Dose: Practical Advice for Radiologists, *Journal of the American College of Radiology*, 10(11): 840-846.
- Salimi, Y., Shiri, I., Akhavanallaf, A., Mansouri, Z., Manesh, A, S., Sanaat, A., Pakbin, M., Askari, D., Sandoughdaran, S., Sharifipour, E., Arabi, H., and Zaidi, H. 2021, Deep learning-based fully automated Z-axis coverage range definition from scout scans to eliminate overscanning in chest CT imaging, *Insights into Imaging*, 12(162): 1-16.
- Seeram, E., 2010, Computed Tomography: Physical Principles and Recent Technical Advances, *Journal of Medical Imaging and Radiation Sciences*, 41(2): 87-109.
- Smith, W, W, M., Hara, A, K., Mahesh, M., Sahani, D, V., and Pavlicek, V., 2014, How i do it: Managing Radiation Dose in CT, *Radiology*, 273(3): 657-672.
- Souisa, F., Ratnawati., dan Sudarsana, B., Pengaruh Perubahan Jarak Objek ke Film Terhadap Pembesaran Objek pada Pemanfaatan Pesawat Sinar-X, Type CGR, *Buletin Fisika*, 15(2): 15-21.
- Sutapa, G. N., Widayari, N, L., dan Dewi, N, K, A, A., 2013, Mendalami Respon Adaptasi Sel Terhadap Paparan Radiasi Pengion, *Jurnal Buletin Alara*, 15(1): 9-14.
- Suwarno, S, P., 2015, Optimasi Aluminium Oksida untuk Aplikasi Alternatif Fantom Tulang Kortikal, *Tugas Akhir*, Universitas Negeri Semarang, Semarang.
- Tarkiainen1, J., Nadhum, M., Heikkilä, A., Kiiikka, I, R., and Joutsen, A., 2023, Radiation dose of the eye lens in CT examinations of the brain in clinical practice—the effect of radiographer training to optimise gantry tilt and scan length, *Radiation Protection Dosimetry*, 199(5): 391-398.
- Utami, N, W, M, S., 2023, Sintesis Koloid Nanopartikel Bismut sebagai Agen Kontras CT-Scan Menggunakan Ekstrak Citrus limon dengan Pemanasan Gelombang Mikro, *Tesis*, Program Studi Magister Fisika, Fakultas Sains dan Matematika, Universitas Diponegoro, Semarang.
- Wahyuni, S, N., Diartama, A, A, A., dan Mughnie, B., 2022, Pengaruh Variasi Rekonstruksi Slice Thickness dan Filter Kernel Terhadap Kualitas Citra CT-Scan Kepala Pada Kasus Stroke Iskemik, *jurnal ilmiah Multi Disiplin Indonesia*, 2(2): 218-225.
- Wu, M, C., and Ramaseshan, R., 2014, An approach for measuring the spatial orientations of a computed-tomography simulation system, *Journal, of Applied Clinical Medical Physics*, 15(2): 138-150.

- Zarb, F., Rainford, L., and McEntee, M, F., 2011, Developing optimized CT scan protocols: Phantom measurements of image quality Francis, *Radiography*, 17(2): 109-114.
- Zhang, D., Donovan, M., Wu, X., and Liu, H., 2008, A convenient alignment approach for x-ray imaging experiments based on laser positioning devices, *Medical Physics*, 35(11): 4907-4910.