## DAFTAR PUSTAKA


Akhadi, M. 2020. *Sinar-X Menjawab Masalah Kesehatan*. Yogyakarta: Deepublish.

Anam, C. 2011. *Kajian Spektrum Sinar-X 6 MV Menggunakan Simulasi Monte Carlo*. Berkala Fisika. 2: 49-54.

Anita, F., Tunggadewi, D.A. 2020. *Uji Banding Citra Film Terhadap Computed Radiogrphy (CR)*. Jurnal Ilmiah GIGA. 23: 20-26.

Antonuk, L.E. 2002. *Electronic Portal Imaging Devices: a Review and Historical Perpective of Contemporary Technologies and Reasearch*. Physics in Medicine and Biology. 47: 31-65.

Arrozaqi, M.I.M. 2014. *Dasar-Dasar Pemrograman MCNPX*. Yogyakarta: Pusat Sains dan Teknologi Akselerator BATAN.

Bakkali, J.EL., Bardouni, T.EL. 2016. *Validation of Monte Carlo Geant4 Code for a 6 MV Varian Linac*. Journal of King Saud University-Science. 1018-3639.

Becker, J. 2007. *Simulation of Neutron Production at a Medical Linear Accelerator*. Diploma Thesis. Universitas Hamburg.

Beckerley, J. 1951. *Neutron Physics*. Oak Ridge: United States Atomic Energy Commission.

Beiser, A. 1987. *Konsep Fisika Modern Ed-4*. Bandung: Erlangga.

Ball, J., Moore, A.D., Turner, S. 2008. *Essential Physics for Radiographer, 4th edition*. United Kingdom: Blackwell Publishing.

Browne, M. 2010. *Physics for Engineering and Science, Second Edition*. New York: McGraw-Hill Publishing.

Carlton, R.R., Arlene, M.A., Vesna, B. 2020. *Principles of Radigraphic Imaging An Art and a Science, Sixth Edition*. USA: Cengage Learning, Inc.

Ding, G.X. 2002. *Dose Discrepancies Between Monte Carlo Calcultion and Measurements in the Buildup Region for a High-energy Photon Beam*. American Association of Physicsts in Medicine. Medical Physics. 29: 2459.

Ding, G.X., Munro, P. 2016. *The Characteristics of the Newly Available 2.5 MV Imaging Beam From a Medical Linear Accelerator*. International Journal of Radiation Oncology Biology Physics. 96(2): 2377.

Dowlatabadi, H., Mowlavi, A.A., Ghorbani, M., dkk. 2017. *Monte Carlo Simulation of Siemens Primus plus Linac for 6 MV and 18 MV Photon Beams*. Journal Biomed Physics Engineering. 7(4).

Fosbinder, R. 2012. *Essential of Radiologic Science*. New York: McGraw-Hill.

Khan, F.M. 2003. *The Physics of Radiation Therapy, The 3th Edition*. New York: Lipponcott Williams and Wilkins.

Khan, F.M. 2014. *The Physics of Radiation Therapy, The 5th Edition*. New York: Lipponcott Williams and Wilkins.

Khasanah, D.S. 2020. *Karakteristik Pesawat Linear Accelerator (LINAC) 6 MV dengan Metode Monte Carlo*. Skripsi. Purwokerto: Fakultas Ilmu Pengetahuan Alam. Universitas Jenderal Soedirman.

Leung, P.M.K. 1978. *The Physical Basis of Radiotherapy*. Ontaro Cancer Institute and The Princess Margaret Hospital.

Malueka, R.G. 2007. *Radiologi Diagnostik*. Yogyakarta: Pustaka Cendekia Press.

Marks, J., Haus, A., Sutton, H., et al. 1976. *The Value of Frequent Treatment Verification Films in Reducing Localization Error in the Irradiation of Complex Fields*. Cancer. 37: 2755-61.

Mensah, W.O., Fletcher, J.J., Danso, K.A., 2012. *Assement of Radiation Shielding Properties of Polyester Steel Composite Using MCNP5*. International Journal of Science and Technology. 2.

Michael, G.H., James, M.B., David, A.J., et al. 2001. *Clinical Use of Electronic Portal Imaging: Report of AAPM Radiation Therapy Committee Tas Group 58*. Medical Physics. 28: 712-31.

Moostar, A., M. Alaverdi., M. Shahriar. 2003. *Application of MCNP4C Monte Carlo Code in Radiation dosimetry in Heterogeneous Phantom*. International Journal of Radiation Research. 3: 143-149.

Munir, R. 2002. *Pengolahan Citra Digital*. Bandung: Institut Teknologi Bandung.

Linskey, M.E., Kuo, J.V., Liu, J.K.C. 2015. *General and Historical Consideration of Radiotherapy and Radiosurgery*. Philadelphia: Elsevier.

Pang, G., Rowlands, J.A. 2002. *Development of High Quantum Effeciency Flat Panel Detectors for Portal Imaging: Intrinsic Spatial Resolution*. Medical Physics. 29: 2274-2285.

Pelowitz, D.B. 2008. *MCNPX$^{TM}$ User's Manual*. New York: Los Alamos National Laboratory.

Podgorsak, E.B. 2005. *Eksternal Photon Beams: Physical Aspect in Radiation Oncology Physics: A Handbook for Teachers and Students*. Vienna: Plubishing Section IAEA.

Rajamanickam, T., Muthu, S., Murugan, P., et al. 2019. *An Assesment of Dosimetric Characteristics of Inline 2.5 Mega Voltage Unflattened Imaging X-ray Beam*. Asian Pac J Cancer Prev. 20(8): 2351-239.

Rasito. 2013. *Pengenalan MCNP untuk Pengkajian Dosis*. Jakarta: Pusdiklat-BATAN.

Salamah, U.G., Ekawati, R. 2021. *Pengolahan Citra Digital*. Bandung: Media Sains Indonesia.

Schwarz, A.L., Schwarz, R.A., Carter, L.L. 2003. *3D Plotting Capabilities in theVisual Editor for Release 5 of MCNP*. Nuclear Mathematical and Computational Science.

Seibert, J.A., Boone, M. 2005. *X-ray Imaging Physics for Nuclear Medicine Technologists*. Journal of Nuclear Medicine Technlogy. 33(1): 3-18.

Sprawls, P.J. 1995. *The Physical Principles of Medical Imaging*. USA: Aspen Publisher.

Sutoyo, T., Mulyanto. E. 2009. *Teori Pengolahan Citra Digital*. Yogyakarta: Andi.

Trhall, D.E. 2018. *Textbook of Veterinary Diagnostic Diagnostic Radiology, 7$^{th}$ edition*. St Louis: Elsevier

X-5 Monte Carlo Team. 2003. *MCNP- A General Monte Carlo N Particle Transport Code Version 5*. New Mexico: Los Alamos National Laboratory.

Zhang, Q., et al. 2016. *Investigation and Application of High Megavoltage X-ray Imaging Mode in Radiotherapy*. International Journal of Medical Physics, Clinical Engineering and Radiation Oncology. 5: 42-50.