

DAFTAR PUSTAKA

- [1] "World Health Organisation," 2024. [Online]. Available: <https://www.who.int/health-topics/cancer>. [Accessed 12 Maret 2024].
- [2] Soehartati Gondhowiardjo et al., "Five-Year Cancer Epidemiology at the National Referral Hospital: Hospital-Based Registry Data in Indonesia," American Society of Clinical Oncology Publications, Jakarta, 2021.
- [3] R. L. Siegel, K. D. Miller, H. E. Fuchs and A. Jemal, "Cancer Statistics, 2021," *CA: A Cancer Journal for Clinicians*, vol. 71, no. 1, pp. 7-33, 2021.
- [4] R. P. Pantow, B. J. Waleleng and B. P. Sedli, "Profil Adenokarsinoma Kolon di RSUP Prof Dr. R. D. Kandou dan Siloam Hospitals Periode Januari 2016 – Juni 2017," *Jurnal e-Clinic*, vol. 5, no. 2, pp. 326-331, 2017.
- [5] M. Hu, L. Jiang, X. Cui, J. Zhang and J. Yu, "Proton beam therapy for cancer in the era," *Journal of Hematology & Oncology*, p. 136, 2018.
- [6] Z. Y. Yang, P. E. Tsai, S. C. Lee, Y. C. Liu and R. J. Sheu, "Inter-comparison of Dose Distributions Calculated by FLUKA, GEANT4, MCNP, and PHITS for Proton Therapy," *EPJ Web Conf*, vol. 153, pp. 1-8, 2017.
- [7] M. H. Bölükdemir, "Investigation of shape effects and dead layer thicknesses of a coaxial HPGe crystal on detector efficiency by using PHITS Monte Carlo simulation," *Radiation Physics and Chemistry*, vol. 189, 2021.
- [8] M. Sayuti and N. Nouva, "Kanker Kolorektal," *AVERROUS J. Kedokt. dan Kesehatan*, vol. 5, no. 2, p. 76, 2019.
- [9] A. Muhaimi, "Analisis Dosis Radiasi Pada Terapi Kanker Rektum Berbasis Boron Neutron Capture Therapy Menggunakan Program Phits 3.24," Universitas Gadjah Mada, Yogyakarta, 2022.
- [10] S. P. Handarista, "Analisis Distribusi Dosis Terapi Proton pada Kasus Kanker Payudara Setelah," Universitas Gadjah Mada, Yogyakarta, 2022.
- [11] J. M. Harkins and H. Sajjad, *Anatomy, Abdomen and Pelvis, Sigmoid Colon*, Treasure Island: StatPearls Publishing, 2019.
- [12] P. J. Jazira, "Anatomy of the caecum, appendix, and colon," *Surgery (Oxford)*, vol. 41, no. 1, 2023.



- [13] B. P. Swofford, "Sigmoid Adenocarcinoma with Regional Scrotal Metastasis," S. Karger AG, Base, Gilbert, 2017.
- [14] T. Hong and P. Das, Radiation Therapy for Gastrointestinal Cancers, Cham: Springer, 2017.
- [15] "'1 Introduction,'" *J. ICRU*, p. 11–20, 2007.
- [16] F. M. Khan and J. P. Gibbons, Khan's The Physics of Radiation Therapy, Philadelphia: Lippincott Williams & Wilkins, 2014.
- [17] W. D. Newhauser and R. Zhang, "The physics of proton therapy," *Phys. Med. Biol.*, vol. 60, no. 8, 2015.
- [18] D. G. Radhe Mohan, "Proton therapy - Present and future," *Adv Drug Deliv Rev*, 2017.
- [19] "I. I. C. on R. Protection, Annals of the ICRP," *ICRP Publication 103*, vol. 103, 2003.
- [20] L. Schaub and S. B. Harabi, "Particle therapy in the future of precision therapy," *Br. J. Radiol.*, vol. 93, no. 1114, 2020.
- [21] G. Klimpki and a. et, "The impact of pencil beam scanning techniques on the effectiveness and efficiency of rescanning moving targets," *Physics in Medicine & Biology*, vol. 63, no. 14, 2018.
- [22] V. P. Moskvina and . N. C. Estabrook, "Effect of Scanning Beam for Superficial Dose in Proton Therapy," *Technology in cancer research & treatment*, vol. 14, no. 5, 2015.
- [23] V. Vendrely, "Rectal cancer radiotherapy," *Cancer/Radiothérapie*, vol. 26, no. 1-2, p. 272–278, 2022.
- [24] J. A. E. Agency, "PHITS Introduction," 2021. [Online]. Available: <https://phits.jaea.go.jp/>. [Accessed 20 Mei 2024].
- [25] in *PHITS Ver. 3.22 User's Manual*, 2020, pp. 31-32.
- [26] R. M. Jr , C. Gesh, R. Pagh, R. Rucker and R. W. III, "Compendium of Material Composition Data for Radiation Transport Modeling," 4 Maret 2011. [Online]. Available: https://www.pnnl.gov/main/publications/external/technical_reports/PNNL-15870Rev1.pdf.

