

DAFTAR PUSTAKA

- American Cancer Society, 2020, *What Is Cancer?* American Cancer Society. <https://www.cancer.org/cancer/cancer-basics/what-is-cancer.html>
- Boon, S. N., 1998, *Dosimetry and Quality Control of Scanning Proton Beams*, Rijksuniversiteit Groningen, Netherlands.
- Cancer Research UK, 2020, *Chemotherapy*. <https://www.cancerresearchuk.org/about-cancer/cancer-in-general/treatment/chemotherapy>
- Durante, M., and Paganetti, H., 2016, Nuclear physics in particle therapy: a review, *Reports on Progress in Physics*, 79(9), p.096702.
- Fitriatuzzakiyyah, N., Sinuraya, R. K., and Puspitasari, I. M., 2017, Terapi kanker dengan radiasi: konsep dasar radioterapi dan perkembangannya di Indonesia, *Jurnal Farmasi Klinik Indonesia*, 6(4), 311–320.
- Handayani, L., Suharmiati, and Ayuningtyas, A., 2018, *Menaklukkan Kanker Serviks Dan Kanker Payudara Dengan 3 Terapi Alami*, PT Gramedia Pustaka Utama.
- Hoang Oanh, L. D., Su, S. M., Lee, S. H., Huang, H. C., Chao, T. C., Aso, T., and Lee, C. C., 2022, Decomposition of the weight fractions for modelling ridge filters in a proton wobbling nozzle, *Radiation Physics and Chemistry*, 200(June). <https://doi.org/10.1016/j.radphyschem.2022.110324>
- Khoirunnisa, A. F., Suharyana, and Riyatun, 2021, Analisis Distribusi Dosis pada Terapi Proton untuk Karsinoma Nasofaring Menggunakan Perangkat Lunak MCNP6, *Prosiding Seminar Nasional Fisika Dan Aplikasinya*. <https://jurnal.uns.ac.id/prosidingsnfa/article/download/71817/39814>
- Kraemer, M., Ecker, S., Habermehl, D., Herfarth, K., Rieken, S., Debus, J., and Adeberg, S., 2019, Helium Ion Radiotherapy for Malignant Melanoma: A Retrospective Single-Center Analysis, *Cancers*, 11(12), 2002. <https://doi.org/10.3390/cancers11122002>
- Li, J., W., Y., Wang, J., Zhang, L., Sun, Y., Yang, Z., and Liu, B., 2019, Alpha-particle therapy for anaplastic thyroid cancer using ²¹¹At-labeled-metuximab: a histopathological and survival study in mice, *Journal of Nuclear Medicine: Official Publication, Society of Nuclear Medicine*, 60(10), 1398–1404.
- National Cancer Institute, 2019, *Tumor Grade*. <https://www.cancer.gov/about-cancer/diagnosis-staging/prognosis/tumor-grade-fact-sheet>
- Nikjoo, H., Uehara, S., and Emfietzoglou, D., 2012, *Interaction of Radiation with Matter*, CRC Press.
- Schardt, D., Elsässer, T., and Schulz-Ertner, D., 2010, Heavy-ion tumor therapy:

- Physical and radiobiological benefits, *Reviews of Modern Physics*, 82(1), 383–425. <https://doi.org/10.1103/RevModPhys.82.383>
- Sulistya, E., 2016, *Penentuan Dosis Optimum pada Radioterapi Proton dengan Menggunakan Program SRIM*, Universitas Gadjah Mada, Yogyakarta.
- Tsoufanidis, N., and Landsberger, S., 2015, *Measurement and Detection of Radiation*, CRC Press Taylor & Francis Group.
- Turner, J. E., 2007, *Atoms, Radiation, and Radiation Protection*, WILEY-VCH Verlag GmbH & Co. KGaA.
- Wang, Y., Li, J., Wang, J., Zhang, L., Sun, Y., Yang, Z., and Liu, B., 2018, Alpha-particle therapy for thyroid cancer using ^{211}At -labeled-metuximab: a biodistribution and efficacy study in mice, *Oncotarget*, 9(11), 10077. <https://doi.org/10.18632/oncotarget.24087>
- Yamada, S., Kamada, T., Ebner, D. K., Shinoto, M., Terashima, K., Isozaki, Y., Yasuda, S., Makishima, H., Tsuji, H., Tsujii, H., and Nakayama, H., 2019, Helium ion beam therapy for patients with advanced or recurrent thyroid cancer: A phase I/II clinical trial at the Hyogo Ion Beam Medical Center in Japan (HIBMC-HIT-01), *International Journal of Radiation Oncology Biology Physics*, 105(1), 141–149. <https://doi.org/10.1016/j.ijrobp.2019.05.068>
- Zhang, L., W., Y., Li, J., Wang, J., Sun, Y., Yang, Z., and Liu, B., 2020, Alpha-particle therapy for radioiodine-refractory thyroid cancer using ^{211}At -labeled-metuximab: a dual-center study in mice, *Journal of Nuclear Medicine: Official Publication, Society of Nuclear Medicine*. <https://doi.org/10.2967/jnumed.120.254508>
- Zhang, X., Yang, Y., Liu, X., Li, Q., Chen, L., and Li, Y., 2019, Dosimetric characteristics of a novel 4π non-coplanar radiotherapy technique for treating multiple brain metastases with different prescription doses using a single isocenter, *Radiation Oncology*, 14(1), 1–11. <https://doi.org/10.1186/s13014-019-1403-7>
- Ziegler, J. F., Biersack, J. P., and Ziegler, M. D., 2008, *SRIM-The Stopping and Range of Ions in Matter*, SRIM Co.
- Ziegler, J. F., Biersack, J. P., and Ziegler, M. D., 2010, SRIM–The stopping and range of ions in matter, In *Nuclear Instruments and Methods in Physics Research Section B: Beam Interactions with Materials and Atoms* (Issue 268). <https://doi.org/10.1016/j.nimb.2010.02.091>