

DAFTAR PUSTAKA

- [1] dr. T. Willy, “Kanker,” *Alodokter*, 2019. [Online]. Available: <https://www.alodokter.com/penyakit-kanker>. [Accessed: 22-Dec-2021].
- [2] “Apa itu Kanker?,” *P2PTM Kemenkes RI*, 2019. [Online]. Available: <http://p2ptm.kemkes.go.id/infographic-p2ptm/penyakit-kanker-dan-kelainan-darah/apa-itu-kanker>. [Accessed: 22-Dec-2021].
- [3] Globocan, “Indonesia Cancer Statistics 2020,” *International Agency For Research on Cancer (IARC)*, 2021. [Online]. Available: <https://gco.iarc.fr/today/data/factsheets/populations/360-indonesia-factsheets.pdf>.
- [4] E. B. Podgorsak, Ed., *Radiation Oncology Physics: A Handbook for Teachers and Students*. Vienna: IAEA, 2005.
- [5] R. Elvira *et al.*, “Analisis Perencanaan Radioterapi Pasien Kanker Nasofaring Menggunakan Teknik Intensity Modulated Radiotherapy,” *J. Fis. Unand*, vol. 10, no. 3, pp. 337–343, 2021.
- [6] Komite Penanggulangan Kanker Nasional, “Kanker Nasofaring,” in *Pedoman Nasional Pelayanan Kedokteran*, Kementerian Kesehatan RI, 2017.
- [7] L. Rahayu, “Verifikasi Dosis Radiasi Teknik Intensity Modulated Radiotherapy (IMRT) dengan Menggunakan 2d Array pada Kasus Kanker Sinonasal,” Gadjah Mada University, 2018.
- [8] F. Adam and S. G. A., “Verifikasi Geometri Radioterapi Teknik 3DCRT/IMRT pada Kasus Kanker Kepala dan Leher di Departemen Radioterapi RSCM,” *Radioter. Onkol. Indones.*, vol. 5, no. 1, pp. 1–8, 2014.
- [9] Y. Mustofa, “Verifikasi Penyinaran IMRT Menggunakan 2D Array Matrix Evolution,” Universitas Indonesia, 2011.
- [10] D. Jones, “ICRU Report 50—Prescribing, Recording and Reporting Photon Beam Therapy,” *Med. Phys.*, vol. 21, no. 6, pp. 833–834, 1994.
- [11] S. Hunou, “Pengaruh Jumlah Segmen Penyinaran terhadap Distribusi Dosis Radiasi pada Kanker Kepala dan Leher Menggunakan Teknik Intensity-



Modulated Radiotherapy (IMRT),” Gadjah Mada University, 2018.

- [12] J. B. Fiveash *et al.*, “Effect of Multileaf Collimator Leaf Width on Physical Dose Distributions in the Treatment Of CNS and Head and Neck Neoplasms with Intensity Modulated Radiation Therapy,” *Med. Phys.*, vol. 29, no. 6, pp. 1116–1119, 2002.
- [13] H. D. Kubo, R. B. Wilder, and C. T. E. Pappas, “Impact of Collimator Leaf Width on Stereotactic Radiosurgery and 3d Conformal Radiotherapy Treatment Plans,” *Int. J. Radiat. Oncol. Biol. Phys.*, vol. 44, no. 4, pp. 937–945, 1999.
- [14] J. E. Monk, J. R. Perks, D. Doughty, and P. N. Plowman, “Comparison of A Micro-Multileaf Collimator with A 5-Mm-Leaf-Width Collimator for Intracranial Stereotactic Radiotherapy,” *Int. J. Radiat. Oncol. Biol. Phys.*, vol. 57, no. 5, pp. 1443–1449, 2003.
- [15] K. Y. Cheung, P. H. Choi, R. M. Chau, L. K. Lee, P. M. Teo, and Y. K. Ngar, “The roles of multileaf collimators and micro-multileaf collimators in conformal and conventional nasopharyngeal carcinoma radiotherapy treatments.,” *Med. Phys.*, vol. 26, no. 10, pp. 2077–2085, Oct. 1999.
- [16] E. Isa *et al.*, “Analisis Pengaruh Perubahan Weighting Dose (Wd) Terhadap Distribusi Dosis Pada Optimasi Dosis Brakiterapi Kasus Kanker Nasofaring Dengan Sumber Iridium-192 Menggunakan,” 2017.
- [17] A. Kuswandi, N. H. Kuswandi, M. Kasim, T. Tan’im, and M. Wulandari, “Karakteristik Histopatologi dan Stadium Klinis Kanker Nasofaring,” *J. Ilm. Kesehat. Sandi Husada*, vol. 11, no. 1, pp. 243–251, 2020.
- [18] N. Faradiba, “Apa itu Kanker Nasofaring, Kanker yang Banyak Menyerang Pria,” *Kompas.com*, 2022. [Online]. Available: <https://www.kompas.com/sains/read/2022/04/24/170000723/apa-itu-kanker-nasofaring-kanker-yang-banyak-menyerang-pria>. [Accessed: 21-May-2022].
- [19] R. H. Hardiati, C. Nabila, and U. N. Milenia, “Klasifikasi, Faktor Risiko, Tatalaksana dan Komplikasi Kanker Nasofaring,” *J. Ilm. Univ. Batanghari Jambi*, vol. 22, no. 1, pp. 304–7, 2022.



- [20] J. Sudiono and I. Hassan, "DNA Epstein-Barr virus (EBV) Sebagai Biomarker Diagnosis Karsinoma Nasofaring," *Dent. J.*, vol. 46, no. 3, pp. 140–147, 2013.
- [21] International Agency for Research on Cancer, "EPSTEIN-BARR VIRUS (Group 1) - 5. Summary of Data Reported and Evaluation," 1997. [Online]. Available: [https://inchem.org/documents/iarc/vol70/70-ebv.html#:~:text=There is sufficient evidence for,to humans \(Group 1\).](https://inchem.org/documents/iarc/vol70/70-ebv.html#:~:text=There is sufficient evidence for,to humans (Group 1).) [Accessed: 21-Apr-2022].
- [22] American Joint Committee on Cancer, "Nasopharynx," in *AJCC Cancer Staging Manual*, 8th ed., New York: Springer, 2017, pp. 103–111.
- [23] P. M. L. Teo, B. B. Y. Ma, and A. T. C. Chan, "Radiotherapy for nasopharyngeal carcinoma—transition from two-dimensional to three-dimensional methods," *Radiother. Oncol.*, vol. 73, no. 2, pp. 163–172, 2004.
- [24] R. S. Dewi, "Analisis Distribusi Dosis pada Kanker Payudara dengan Teknik Penyinaran Non-Field In-Field, Field In Field dan Wedge 45°," Gadjah Mada University, 2019.
- [25] N. Fitriatuzzakiyyah, R. K. Sinuraya, and I. M. Puspitasari, "Cancer Therapy with Radiation: The Basic Concept of Radiotherapy and Its Development in Indonesia," *Indones. J. Clin. Pharm.*, vol. 6, no. 4, pp. 311–320, 2017.
- [26] A. W. M. Lee *et al.*, "Evolution of treatment for nasopharyngeal cancer – Success and setback in the intensity-modulated radiotherapy era," *Radiother. Oncol.*, vol. 110, no. 3, pp. 377–384, 2014.
- [27] A. Sinambela and H. M. Djakaria, "Revolusi Teknik Radioterapi pada Karsinoma Nasofaring," *Radioter. Onkol. Indones.*, vol. 9, no. 1, pp. 20–28, 2018.
- [28] K. Cheung, "Intensity modulated radiotherapy: Advantages, limitations and future developments," *Biomed. Imaging Interv. J.*, vol. 2, p. e19, 2006.
- [29] "Conventional radiation therapy," *Radiopaedia.org*. [Online]. Available: <https://radiopaedia.org/articles/conventional-radiation-therapy>. [Accessed: 14-May-2022].
- [30] M. F. Benveniste *et al.*, "Recognizing Radiation Therapy-related



- Complications in the Chest,” *RadioGraphics*, vol. 39, no. 2, pp. 344–366, 2019.
- [31] “3D conformal radiation therapy,” *Radiopedia.org*. [Online]. Available: <https://radiopaedia.org/articles/3d-conformal-radiation-therapy?lang=us>. [Accessed: 14-May-2022].
- [32] E. Nuryadi, S. A. Gondhowiardjo, and M. Adham, “Perbandingan Respon Terapi Radiasi Antara Teknik Konvensional 2D dengan Pengecilan Lapangan Radiasi Teknik 2D, 3DCRT atau Brakiterapi pada Kanker Nasofaring Stadium Dini di Departemen Radioterapi RSUPN Cipto Mangunkusumo,” *Radioter. Onkol. Indones.*, vol. 6, no. 2, pp. 62–72, 2018.
- [33] “Intensity-modulated radiation therapy,” *Radiopedia.org*. [Online]. Available: <https://radiopaedia.org/articles/intensity-modulated-radiation-therapy?lang=us>. [Accessed: 14-May-2022].
- [34] H. Kodrat and R. Novirianythy, “Teknik Radiosurgery,” *Radioter. Onkol. Indones.*, vol. 7, no. 2, pp. 60–64, 2016.
- [35] ICRU, “International Commission on Radiation Units and Measurements (ICRU) Report no. 83 : Prescribing, recording, and reporting photon-beam intensity-modulated radiation therapy (IMRT),” Bethesda, MD, 2010.
- [36] Kim Jong Hoon, “LINAC-based High-precision Radiotherapy: Radiosurgery, Image-guided Radiotherapy, and Respiratory-gated Radiotherapy,” *jkma*, vol. 51, no. 7, pp. 612–618, 2008.
- [37] M. Jeraj and V. Robar, “Multileaf collimator in radiotherapy,” *Radiol. Oncol.*, vol. 38, pp. 235-240+248, 2004.
- [38] D. Arianty, “OPTIMASI JUMLAH LAPANGAN RADIASI PADA PERENCANAAN IMRT,” Universitas Indonesia, 2010.
- [39] W. Parker and H. Patrocinio, “CLINICAL TREATMENT PLANNING IN EXTERNAL PHOTON BEAM RADIOTHERAPY,” in *Review of Radiation Oncology Physics: A Handbook for Teachers and Students*, pp. 179–224.
- [40] F. Basyid and K. Adi, “Segmentasi Citra Medis untuk Pengenalan Objek Kanker Menggunakan Metode Active Contour,” *Youngster Phys. J.*, vol. 3, no. 3, pp. 209–216, 2014.



- [41] Mobius Medical Systems, “Dose Volume Histogram Limits.”
- [42] R. E. Drzymala *et al.*, “Dose-volume histograms,” *Int. J. Radiat. Oncol. Biol. Phys.*, vol. 21, no. 1, pp. 71–78, May 1991.
- [43] A. A. C. Y. Prahastiwi, “PENGARUH SUDUT WEDGE TERHADAP DISTRIBUSI DOSIS RADIASI KANKER PAYUDARA PADA PESAWAT LINEAR ACCELERATOR (LINAC),” Universitas Gadjah Mada, 2018.
- [44] ICRU, “International Commission on Radiation Units and Measurements (ICRU) Report no. 62 : Prescribing, recording, and reporting photon beam therapy (supplement to ICRU report No. 50),” Bethesda, MD, 1999.
- [45] K. Ohtakara, S. Hayashi, H. Tanaka, and H. Hoshi, “Consideration of optimal isodose surface selection for target coverage in micro-multileaf collimator-based stereotactic radiotherapy for large cystic brain metastases: comparison of 90%, 80% and 70% isodose surface-based planning,” *Br. J. Radiol.*, vol. 85, no. 1017, pp. e640–e646, Sep. 2012.
- [46] S. H. Benedict *et al.*, “Stereotactic body radiation therapy: The report of AAPM Task Group 101,” *Med. Phys.*, vol. 37, no. 8, pp. 4078–4101, 2010.

