

DAFTAR PUSTAKA

- [1] “Breast Cancer,” WHO. Diakses pada: 13 Mei 2024. Tersedia *online*: <https://www.who.int/news-room/fact-sheets/detail/breast-cancer>
- [2] E. Podgorsak, *Radiation Oncology Physics*, 5th ed. Vienna: IAEA, 2005.
- [3] M. Beyzadeoglu, G. Ozyigit, and C. Ebruli, *Basic Radiation Oncology*. New York: Springer, 2010.
- [4] F. Khan, *The Physics of Radiation Therapy*, 5th ed. Philadelphia: Lippincott William & Wilkins, 2010.
- [5] J. M. Galvin, “The Multileaf Collimator - A Complete Guide,” *AAPM Annu. Meet.*, pp. 1–17, 1999.
- [6] F. J. Height, T. Kron, D. Willis, and B. H. Chua, “Impact of MLC leaf width on the quality of the dose distribution in partial breast irradiation,” *Med. Dosim.*, vol. 37, no. 1, pp. 37–41, Mar. 2012, doi: 10.1016/j.meddos.2010.12.011.
- [7] C. W. Taylor, A. Nisbet, P. McGale, and S. C. Darby, “Cardiac Exposures in Breast Cancer Radiotherapy: 1950s–1990s,” *Int. J. Radiat. Oncol.*, vol. 69, no. 5, pp. 1484–1495, Dec. 2007, doi: 10.1016/j.ijrobp.2007.05.034.
- [8] C. N. Wijaya, “Pengaruh Ketebalan MLC (*Multileaf Collimator*) terhadap Distribusi Dosis Target dan OAR (Organ at Risk) Dengan Teknik IMRT (*Intensity Modulated Radiation Therapy*) Pada Kasus Kanker Nasofaring,” Universitas Gadjah Mada, Yogyakarta, 2018.
- [9] 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, Jun. 2002, doi: 10.1118/1.1481515.
- [10] C.-S. Hong *et al.*, “Dosimetric effects of multileaf collimator leaf width on intensity-modulated radiotherapy for head and neck cancer,” *Med. Phys.*, vol. 41, no. 2, p. 021712, Feb. 2014, doi: 10.1118/1.4860155.
- [11] E. A. Hegazy, “Dosimetric analysis of 0.5 cm versus 1cm multileaf collimator (mlc) for intensity modulated radiation therapy (IMRT) of carcinoma of cervix,” *Global Journal of Physics*, pp. 701–707, Feb. 2018.
- [12] F. Zhang, W. Xu, H. Jiang, Y. Wang, J. Gao, and Q. Liu, “Dosimetric evaluation of VMAT radiation therapy technique for breast cancer after conservative surgery based on three different types of multileaf collimators,” *Oncol. Transl. Med.*, vol. 4, no. 5, p. 208, Oct. 2018, doi: 10.1007/s10330-018-0302-2.
- [13] Y.-S. Sun *et al.*, “Risk Factors and Preventions of Breast Cancer,” *Int. J. Biol. Sci.*, vol. 13, no. 11, pp. 1387–1397, 2017, doi: 10.7150/ijbs.21635.



- [14] “Pedoman Nasional Pelayanan Kedokteran (PNPK).” Diakses pada: 13 Mei 2024. Tersedia *online*: <https://www.kemkes.go.id/id/pnpk-2018---tata-laksana-kanker-payudara>
- [15] S. B. Edge and American Joint Committee on Cancer, Eds., *AJCC cancer staging manual*, 7th ed. New York, NY: Springer, 2010.
- [16] “Breast Cancer,” Cleveland Clinic. diakses pada: 03 Juni 2024. Tersedia *online*: <https://my.clevelandclinic.org/health/diseases/3986-breast-cancer>
- [17] L. W. Brady, C. A. Perez, D. E. Wazer, and E. C. Halperin, *Principles and Practice of Radiation Oncology*, 6th ed. Philadelphia: Lippincott Williams & Wilkins, 2013.
- [18] G. F. Knoll, *Radiation Detection and Measurement*, 4th ed. Michigan: John Wiley & Sons, Inc, 2010.
- [19] B. J. Healy, D. van der Merwe, K. E. Christaki, and A. Meghzifene, “Cobalt-60 Machines and Medical Linear Accelerators: Competing Technologies for External Beam Radiotherapy,” *Clin. Oncol.*, vol. 29, no. 2, pp. 110–115, Feb. 2017, doi: 10.1016/j.clon.2016.11.002.
- [20] “The International Commission on Radiation Units and Measurements,” *Journal of the ICRU*, vol. 10, 2010.
- [21] N. G. Burnet, S. J. Thomas, K. E. Burton, and S. J. Jefferies, “Defining the tumour and target volumes for radiotherapy,” *Cancer Imaging*, vol. 4, no. 2, pp. 153–161, Oct. 2004, doi: 10.1102/1470-7330.2004.0054.
- [22] L. B. Marks *et al.*, “Use of normal tissue complication probability models in the clinic,” *Int. J. Radiat. Oncol. Biol. Phys.*, vol. 76, no. 3 Suppl, pp. S10-19, Mar. 2010, doi: 10.1016/j.ijrobp.2009.07.1754.
- [23] AAPM, “Quantitative Analysis of Normal Tissue Effects in the Clinic (QUANTEC).”
- [24] M. K. Bucci, A. Bevan, and M. Roach III, “Advances in Radiation Therapy: Conventional to 3D, to IMRT, to 4D, and Beyond,” *CA. Cancer J. Clin.*, vol. 55, no. 2, pp. 117–134, 2005, doi: 10.3322/canjclin.55.2.117.
- [25] W. H. Choi and J. Cho, “Evolving Clinical Cancer Radiotherapy: Concerns Regarding Normal Tissue Protection and Quality Assurance,” *J. Korean Med. Sci.*, vol. 31, no. Suppl 1, pp. S75–S87, Feb. 2016, doi: 10.3346/jkms.2016.31.S1.S75.
- [26] J. S. Chang, J. H. Chang, N. Kim, Y. B. Kim, K. H. Shin, and K. Kim, “Intensity Modulated Radiotherapy and Volumetric Modulated Arc Therapy in the Treatment of Breast Cancer: An Updated Review,” *J. Breast Cancer*, vol. 25, no. 5, pp. 349–365, Oct. 2022, doi: 10.4048/jbc.2022.25.e37.
- [27] G. Ozyigit and M. Gultekin, “Current role of modern radiotherapy techniques in the management of breast cancer,” *World J. Clin. Oncol.*, vol. 5, no. 3, pp. 425–439, Aug. 2014, doi: 10.5306/wjco.v5.i3.425.



- [28] Y. Lan, K. Bai, C.-C. Hung, A. Alelaiwi, and A. Vasilakos, "A Novel Definition of Equivalent Uniform Dose Based on Volume Dose Curve," *IEEE Access*, vol. 7, pp. 45850–45857, Jan. 2019, doi: 10.1109/ACCESS.2019.2905875.
- [29] I. J. Esti Satiti, "Komparasi Treatment Planning Berkas Foton Teknik 3 Dimensional Conformal Radiation Therapy dan Intensity Modulated Radiation Therapy Untuk Kanker Payudara Kiri," *Prosiding Seminar Nasional Inovasi dan Pendayagunaan Teknologi Nuklir*, 2020.
- [30] T. Cao, Z. Dai, Z. Ding, W. Li, and H. Quan, "Analysis of different evaluation indexes for prostate stereotactic body radiation therapy plans: conformity index, homogeneity index and gradient index," *Precis. Radiat. Oncol.*, vol. 3, no. 3, pp. 72–79, 2019, doi: 10.1002/pro6.1072.
- [31] F.-Y. Liu, Z.-W. Dong, H.-B. Yang, and H.-Y. Shi, "Evaluation of the clinical application of Auto-Planning module for IMRT plans of left breast cancer," *Radiat. Phys. Chem.*, vol. 166, p. 108500, Jan. 2020, doi: 10.1016/j.radphyschem.2019.108500.
- [32] L. Yan, Y. Xu, X. Chen, X. Xie, B. Liang, and J. Dai, "A new homogeneity index definition for evaluation of radiotherapy plans," *J. Appl. Clin. Med. Phys.*, vol. 20, no. 11, pp. 50–56, 2019, doi: 10.1002/acm2.12739.
- [33] Y. Elghazi *et al.*, "Verification of monitoring unit calculations for the 3D conformal radiotherapy treatment planning system," *Mater. Today Proc.*, vol. 72, pp. 3502–3508, Jan. 2023, doi: 10.1016/j.matpr.2022.08.161.

