

DAFTAR PUSTAKA

- Ahnesjö, A. dan Aspradakis, M. M., 1999, Dose calculations for external photon beams in radiotherapy, *Physics in Medicine and Biology*, 44(11), R99–R155.
- Antonuk, L. E., 2002, Electronic portal imaging devices: A review and historical perspective of contemporary technologies and research, *Physics in Medicine and Biology*, 47(6), R31–R65.
- Atiq, M., Atiq, A., Iqbal, K., Shamsi, Q., Andleeb, F. dan Buzdar, S. A., 2017, Interpretation of indeks gamma for quality assurance of simultaneously integrated boost (SIB) IMRT plans for head and neck carcinoma, *Polish Journal of Medical Physics and Engineering*, 23(4), 93–97.
- Badan Pengawas Tenaga Nuklir, 2013, *Peraturan Kepala BAPETEN Nomor 3 Tahun 2013 tentang Keselamatan Radiasi dalam Penggunaan Radioterapi*, BAPETEN, Jakarta.
- Badan Pengawas Tenaga Nuklir, 2013, *Peraturan Kepala BAPETEN Nomor 4 Tahun 2013 tentang Proteksi dan Keselamatan Radiasi dalam Pemanfaatan Tenaga Nuklir*, BAPETEN, Jakarta.
- Bhatla, N., Aoki, D., Sharma, D. N. dan Sankaranarayanan, R., 2021, Cancer of the cervix uteri: 2021 update, *International Journal of Gynecology & Obstetrics*, 155(S1), 28–44.
- Bortfeld, T., 2006, IMRT: A review and preview, *Physics in Medicine and Biology*, 51(13), R363–R379.
- Bosch, F. X., Lorincz, A., Muñoz, N., Meijer, C. J. dan Shah, K. V., 2002, The causal relation between human papillomavirus and cervical cancer, *Journal of Clinical Pathology*, 55(4), 244–265.
- Bray, F., Laversanne, M., Sung, H., Ferlay, J., Siegel, R. L., Soerjomataram, I. dan Jemal, A., 2024, Global cancer statistics 2022: GLOBOCAN estimates of incidence and mortality worldwide for 36 cancers in 185 countries, *CA: A Cancer Journal for Clinicians*, 74(3), 229–263.
- Cai, B., Laugeman, E., Mazur, T. R., Park, J. C., Henke, L. E., Kim, H., Hugo, G. D., Mutic, S. dan Li, H., 2019, Characterization of a prototype rapid kilovoltage X-ray image guidance system designed for a ring shape radiation therapy unit, *Medical Physics*, 46(3), 1355–1370.
- Cohen, P. A., Jhingran, A., Oaknin, A. dan Denny, L., 2019, Cervical cancer, *The Lancet*, 393(10167), 169–182.
- Cunningham, F. G., Leveno, K. J., Bloom, S. L., Dashe, J. S., Hoffman, B. L., Casey, B. M. dan Spong, C. Y., 2018, *Williams Obstetrics*, Edisi 25, McGraw-Hill Education, New York.
- Deng, Y., Li, X., Cheng, Y., Zhao, X. dan Zhang, J., 2024, Evaluating AAPM-TG-218 recommendations: Indeks gamma tolerance and action limits in IMRT and VMAT quality assurance using SunCHECK, *Journal of Applied Clinical Medical Physics*, 25(6), e14277.
- Drzymala, R. E., Mohan, R., Brewster, L., Chu, J., Goitein, M., Harms, W. dan Urie, M., 1991, Dose-volume histograms, *International Journal of Radiation Oncology, Biology, Physics*, 21(1), 71–78.

- Eifel, P. J., Berek, J. S. dan Markman, M. A., 2004, Cancer of the cervix, vagina, and vulva, *Cancer: Principles and Practice of Oncology*, 7, 1295–1341.
- Ezzell, G. A., Burmeister, J. W., Dogan, N., LoSasso, T. J., Mechalakos, J. G., Mihailidis, D., Molineu, A., Palta, J. R., Ramsey, C. R., Salter, B. J., Shi, J., Xia, P., Yue, N. J. dan Xiao, Y., 2009, IMRT commissioning: Multiple institution planning and dosimetry comparisons, a report from AAPM Task Group 119, *Medical Physics*, 36(11), 5359–5373.
- Fraass, B., Doppke, K., Hunt, M., Kutcher, G., Starkschall, G., Stern, R. dan Van Dyke, J., 1998, American Association of Physicists in Medicine Radiation Therapy Committee Task Group 53: Quality assurance for clinical radiotherapy treatment planning, *Medical Physics*, 25(10), 1773–1829.
- Haie-Meder, C., Pötter, R., Van Limbergen, E., Briot, E., De Brabandere, M., Dimopoulos, J., Dumas, I., Hellebust, T. P., Kirisits, C., Lang, S., Muschitz, S., Nevinson, J., Nulens, A., Sminia, P. dan Wachter-Gerstner, N., 2005, Recommendations from Gynaecological (GYN) GEC-ESTRO Working Group (I): Concepts and terms in 3D image based 3D treatment planning in cervix cancer brachytherapy with emphasis on MRI assessment of GTV and CTV, *Radiotherapy and Oncology*, 74(3), 235–245.
- Hall, E. J. dan Giaccia, A. J., 2006, *Radiobiology for the Radiologist*, Edisi 6, Lippincott Williams & Wilkins, Philadelphia.
- Herman, M. G., Balter, J. M., Jaffray, D. A., McGee, K. P., Munro, P., Shalev, S., van Herk, M. dan Wong, J. W., 2001, Clinical use of electronic portal imaging: Report of AAPM Radiation Therapy Committee Task Group 58, *Medical Physics*, 28(5), 712–737.
- Hussein, M., Clark, C. H. dan Nisbet, A., 2017, Challenges in calculation of the gamma index in radiotherapy – Towards good practice, *Physica Medica*, 36, 1–11.
- Intensity Modulated Radiation Therapy Collaborative Working Group, 2001, Intensity-modulated radiotherapy: Current status and issues of interest, *International Journal of Radiation Oncology, Biology, Physics*, 51(4), 880–914.
- International Atomic Energy Agency, 2008, *Transition from 2-D Radiotherapy to 3-D Conformal and Intensity Modulated Radiotherapy (IAEA-TECDOC-1588)*, International Atomic Energy Agency, Vienna.
- International Commission on Radiation Units and Measurements, 2010, *Prescribing, Recording, and Reporting Photon-Beam Intensity-Modulated Radiation Therapy (IMRT) (ICRU Report 83)*, ICRU, Bethesda.
- International Commission on Radiological Protection, 2007, The 2007 recommendations of the International Commission on Radiological Protection (ICRP Publication 103), *Annals of the ICRP*, 37(2–4).
- Joiner, M. C. dan van der Kogel, A. J., 2009, *Basic Clinical Radiobiology*, Edisi 4, Hodder Arnold, London.
- Kementerian Kesehatan Republik Indonesia, 2017, *Pedoman Nasional Pelayanan Kedokteran Kanker Serviks*, Direktorat Jenderal Pelayanan Kesehatan, Kementerian Kesehatan RI, Jakarta.
- Khan, F. M. dan Gibbons, J. P., 2014, *Khan's The Physics of Radiation Therapy*, Edisi 5, Lippincott Williams & Wilkins, Philadelphia.

- Leibel, S. A. dan Phillips, T. L., 2004, *Textbook of Radiation Oncology*, Edisi 2, Saunders, Philadelphia.
- Lim, T. Y., Dragojević, I., Hoffman, D., Flores-Martinez, E. dan Kim, G. Y., 2019, Characterization of the Halcyon™ multileaf collimator system, *Journal of Applied Clinical Medical Physics*, 20(4), 106–114.
- Listiono, B., Bagaswoto, H. P. dan Wibowo, W. E., 2025, Implementation of AAPM TG-218 for patient specific quality assurance (PSQA) in the case of thoracic target region using IMRT radiotherapy technique with EPID aSi-1200, *Indonesian Physical Review*, 8(3), 412–423.
- Low, D. A., Harms, W. B., Mutic, S. dan Purdy, J. A., 1998, A technique for the quantitative evaluation of dose distributions, *Medical Physics*, 25(5), 656–661.
- Marks, L. B., Yorke, E. D., Jackson, A., Ten Haken, R. K., Constine, L. S., Eisbruch, A., Bentzen, S. M., Nam, J. dan Deasy, J. O., 2010, Use of normal tissue complication probability models in the clinic, *International Journal of Radiation Oncology, Biology, Physics*, 76(3 Suppl), S10–S19.
- Mayles, P., Nahum, A. dan Rosenwald, J. C., 2007, *Handbook of Radiotherapy Physics: Theory and Practice*, CRC Press, London.
- Mell, L. K., Tiriyaki, H., Ahn, K. H., Mundt, A. J., Roeske, J. C. dan Aydogan, B., 2008, Dosimetric comparison of bone marrow-sparing intensity-modulated radiotherapy versus conventional techniques for treatment of cervical cancer, *International Journal of Radiation Oncology, Biology, Physics*, 71(5), 1504–1510.
- Miften, M., Olch, A., Mihailidis, D., Moran, J., Pawlicki, T., Molineu, A., Li, H., Wijesooriya, K., Shi, J., Xia, P., Papanikolaou, N. dan Low, D. A., 2018, Tolerance limits and methodologies for IMRT measurement-based verification QA: Recommendations of AAPM Task Group No. 218, *Medical Physics*, 45(4), e53–e83.
- Mundt, A. J., Lujan, A. E., Rotmensch, J., Waggoner, S. E., Yamada, S. D., Fleming, G. dan Roeske, J. C., 2002, Intensity-modulated whole pelvic radiotherapy in women with gynecologic malignancies, *International Journal of Radiation Oncology, Biology, Physics*, 52(5), 1330–1337.
- National Comprehensive Cancer Network, 2024, *NCCN Clinical Practice Guidelines in Oncology: Cervical Cancer (Version 1.2024)*, NCCN, Plymouth Meeting.
- Norwitz, E. R., Schust, D. J. dan Fisher, S. J., 2001, Implantation and the survival of early pregnancy, *New England Journal of Medicine*, 345(19), 1400–1408.
- Otto, K., 2008, Volumetric modulated arc therapy: IMRT in a single gantry arc, *Medical Physics*, 35(1), 310–317.
- Paddick, I., 2000, A simple scoring ratio to index the conformity of radiosurgical treatment plans, *Journal of Neurosurgery*, 93(Suppl 3), 219–222.
- Pecorelli, S., Zigliani, L. dan Odicino, F., 2009, Revised FIGO staging for carcinoma of the cervix, *International Journal of Gynaecology and Obstetrics*, 105(2), 107–108.
- Pemerintah Republik Indonesia, 2023, *Peraturan Pemerintah Nomor 45 Tahun 2023 tentang Keselamatan Radiasi Pengion dan Keamanan Zat Radioaktif*, Sekretariat Negara Republik Indonesia, Jakarta.

- Podgorsak, E. B., 2016, *Radiation Physics for Medical Physicists*, Edisi 3, Springer International Publishing, Cham.
- Purdy, J. A., 1996, 3D radiation treatment planning: A new era, *Frontiers of Radiation Therapy and Oncology*, 29, 1–16.
- Ravindran, B. P., 2022, *Image-Guided Radiation Therapy*, IOP Publishing, Bristol.
- Schiffman, M., Castle, P. E., Jeronimo, J., Rodriguez, A. C. dan Wacholder, S., 2007, Human papillomavirus and cervical cancer, *The Lancet*, 370(9590), 890–907.
- Standring, S., 2016, *Gray's Anatomy: The Anatomical Basis of Clinical Practice*, Edisi 41, Elsevier, Edinburgh.
- Stanley, D. N., Popp, I. P., Ha, C. S. dan Stathakis, S., 2022, Evaluating suggested stricter gamma criteria for linac-based patient-specific delivery QA in the conventional and SBRT environments, *Physica Medica*, 100, 72–80.
- Tubiana, M., Dutreix, J. dan Wambersie, A., 1990, *Introduction to Radiobiology*, Taylor & Francis, London.
- Ulmer, W., Pyyry, J. dan Kaissl, W., 2005, A 3D photon superposition/convolution algorithm and its foundation on results of Monte Carlo calculations, *Physics in Medicine and Biology*, 50(8), 1767–1790.
- Van Dyk, J., Barnett, R. B., Cygler, J. E. dan Shragge, P. C., 1993, Commissioning and quality assurance of treatment planning computers, *International Journal of Radiation Oncology, Biology, Physics*, 26(2), 261–273.
- van Elmpt, W., McDermott, L., Nijsten, S., Wendling, M., Lambin, P. dan Mijnheer, B., 2008, A literature review of electronic portal imaging for radiotherapy dosimetry, *Radiotherapy and Oncology*, 88(3), 289–309.
- Van Esch, A., Depuydt, T. dan Huyskens, D. P., 2004, The use of an aSi-based EPID for routine absolute dosimetric pre-treatment verification of dynamic IMRT fields, *Radiotherapy and Oncology*, 71(2), 223–234.
- Webb, S., 2003, The physical basis of IMRT and inverse planning, *The British Journal of Radiology*, 76(910), 678–689.
- Wysocka, A., Toborek, M., Tyran, M., Woźniak, G., Ślosarek, K., Boguszewicz, Ł. dan Białas, B., 2021, Clinical implementation of Halcyon 2.0 linear accelerator, *Reports of Practical Oncology and Radiotherapy*, 26(5), 789–800.
- zur Hausen, H., 2002, Papillomaviruses and cancer: From basic studies to clinical application, *Nature Reviews Cancer*, 2(5), 342–350.