

## DAFTAR PUSTAKA

- [1] Frida Iswinning Diah, Pramudita Anggraita Suharini. "Tinjauan Teknologi Accelerator Linier Elekta Precise di RSUO Dr. SARJITO," Yogyakarta, 2010.
- [2] Deinar Fadriahz. "Distribusi Dosis untuk Lapangan Asimetri Sinar-X 6 MV dengan Variasi Kedalaman," Jakarta, 2010.
- [3] BAPETEN. "Peraturan Kepala Badan Pengawas Teknologi Nuklir Nomor 3 Tahun 2013 tentang Keselamatan Radiasi dalam Penggunaan Radioterapi," 2013.
- [4] S.M., B. Hasyemi Malaeri, G. Raisali, P. Shikrani, A.A. Sharafi dan F. Torkzadeh Hashemi, "Masurment of photoneutron dose produced by wedge filters of high energy linac using polycarbonate films," vol. 49(3) : 279-283, 2008.
- [5] Eric Benton. "Space Radiation Passive Dosimetry," 2012.
- [6] NCRP Report NO.79. "Neutron Contamination From Medical Electron Accelerators," 1984.
- [7] F. Greco, A. Fidanzio, G. D'Onofrio, L. Grimadli A. Memeli. "CR-39 detector based thermal neutron fluks measurements in the photoneutron project," vol. 266 : 3656 - 3660, 2008.
- [8] Marko G Milena C.R. "Development of Etched Track Detector System for Low Fluxes of Thermal Neutrons," *International Conference Nuclear Energy for New Europe 2005*, September 2005.
- [9] Unggul Punjung Juswono, Bunawas, M.Agus Firmansyah. "Pengukuran Neutron Cepat di Ruang Linac Medis Menggunakan CR-39," 2014.
- [10] Johan A.E. Noor, Bunawas Fatimah Kunti Hentihu, "Perkiraan Dosis Neutron Termal pada Pasien Radioterapi Linac 15 MV," 2015.
- [11] T Boel. *Dental Radiologi – Prinsip dan Teknik*. Medan: USU Press, 2009.

- [12] Anies. *Cepat Tua Akibat Radiasi? – Pengaruh Radiasi Elektromagnetik Ponsel dan Berbagai Peralatan Elektronik*. Jakarta: PT Elex Media Komputindo, 2009.
- [13] H. dan T. E. Johnson. Cember. *Introduction to Health Physics. 4th*. New York: The McGraw-Hill Companies, Inc., 2009.
- [14] A Beiser. *Concepts of Modern Physics*. New York: The McGraw-Hill Companies, Inc, 2003.
- [15] M. F. L'Annunziata. *Handbook of Radioactivity Analysis*. New York: 2nd, Elsevier, Inc., 2003.
- [16] J. E. Martin. *Physics for Radiation Protection: A Handbook*. Weinheim: WILEY-VCH Verlag GmbH & Co, 2006.
- [17] D. Halliday. *Introductory Nuclear Physics*. New york: John Wiley & Sons, 1962.
- [18] M. Fathony. "Penentuan Dosis Ekuvalen Neutron Menggunakan TLD tipe NG-67," 1982.
- [19] J Becker. "Simulation of Neutron Production at A Medical Linear Accelerator," 2007.
- [20] K. S. Krane. *Introductory Nuclear Physics*. New York.: John Wiley & Sons, Inc, 1988.
- [21] IAEA. "Neutron Generators for Analytical Purposes," Vienna, 2012.
- [22] G. F. Knoll. "Radiation Detection and Measurement," vol. 3rd, 2000.
- [23] D. Halliday. *Introductory Nuclear Physics*. New York: John Wiley & Sons, Inc, 1962.
- [24] Y. Z. Wang. *Photoneutron and Induced Activity from medical Linear Accelerator*. Montreal-Canada, McGill University, Master Of Science in Medical Radiation Physics: Medical Physics Radiation, 2004.
- [25] N Tsoufanidis. *Measurement and Detection of Radiation*. Washington: Taylor & Francis, 1995.

- [26] G., J. W. Kennedy, E. S. Macias dan J. M. Miller Friedlander. *Nuclear and Radiochemistry*. New York.: John Wiley & Sons, Inc, 1981.
- [27] (<http://images.tutorvista.com/cms/images/95/nuclear-fission-chain-reaction.png>).
- [28] A.K. Thomson. (2013) [Online].  
<http://www.nist.gov/pml/div682/grp03/calibrated-neutron.cfm>.
- [29] H. Cember. *Pengantar Fisika Kesehatan*. Semarang: IKIP Semarang, 1983.
- [30] N. J Hyne. *Dictionary of Petroleum Exploration, Drilling and Production 2*. USA: Pen Well Corporation, 2014.
- [31] E. B.Podgorsak. E. B. Podgorsak, *Radiation Physics for Medical Physicist*. Berlin: Springer-Verlag, 2006.
- [32] B. J. Gabrys. "Applications of Neutron Scattering to Soft Condensed Matter," 2000.
- [33] M. G. Stabing. *Radiation rotection and Dosimetry*. Newyork : Springer: An Introduction to Helath Physics, 2008.
- [34] Shafruddin. "Studi Penggunaan Detektor Gelembung Sebagai Dosimeter dan Detektor Kekritisasi," 2010.
- [35] H Sofyan. *Dosimeter ThermoLuminesensi sebagai Dosimetri Personal dalam*. 2012: Prosiding Pertemuan Ilmiah XXVI HFI Jateng & DIY: 129-134.
- [36] Bunawas. "Pengaruh Kondisi Etsa pada Tanggapan Detektor Jejak Nuklir Iupilon," , Jakarta, 1991.
- [37] M. P., Marathe, P. K., Maasand, O. P. Dhairyawan. "Use Of CR-39 solid state nuclear track detector in neutron personel menitoring," vol. 435-438, 2003.
- [38] V. Purba. "Pengukuran konsentrasi radon-222 menggunakan detektor jejak nuklir CR-39," 1992.

- [39] V.D. Indriyani. "Anilisis pengaruh jumlah rokok yang dikonsumsi terhadap aktivitas Po-210 pada gigi perokok menggunakan detektor jejak nuklir CR-39," 2011.
- [40] A.M. Bhagwat. "Solid State Nuclear Track Detection: Theory and Application.," 1993.
- [41] A. Parravicini. "Instrumentation 3 Passive detectors Part 1," 2012.
- [42] M. J. Rosenberg, M. J. E. Manuel, S. C. Mc Duffee, D. T. Casey, A. B. Zylstra, H. G. Rinderknecht, M. G. Johnson, N.Sinenian. "The response of CR-39 nuclear track detector to 1-9 MeV protons," 2012.
- [43] D. dan K. N. Yu Nikezic. "Formation and growth of tracks in nuclear track materials," vol. 46: 51–123., 2004.
- [44] F., Espinosa, G., Golzarri, J., Osorio, D., Rangel, J., Reyes, P., et al Castillo. "Fast neutron dosimetry using CR039 track detectors with polyethylene as radiator," vol. 50 : 71-73, 2013.
- [45] L., G. Zapparoli, P. Spiezia, R.V. Griffith dan G. Espinosa Tommasino. "Different etching processes of damage track detectors for personnel neutron dosimetry," vol. 8: 335-339., 1984.
- [46] V. Purba. "Pengukuran Konsentrasi Radon-222 menggunakan detektor jejak nuklir CR-39 ," 1992.
- [47] ICRU. "Quantities and Unit in Radiation Protection Dosimetry. International Commission on Radiation Unit and Measurement," Maryland, 1993.
- [48] C Grupen. *Introduction to Radiation Protection: Practical Knowledge for Handling Radioactive Sources*. Berlin: Springer, 2010.
- [49] NEA. "Evolution of ICRP Recommendations 1977, 1990 and 2008 ," , Australia, OEDC, 2011.
- [50] M. Akhadi. "Pengantar Teknologi Nuklir," 1997.

- [51] D Muca. "Estimation of neutron dose contributions to personel working around high-energy medical linear accelerator for radiation therapy.," 2006.
- [52] H. I., A. K. Hussein dan R. B. Kheder Hasan. "Angular response of nuclear track detector CR-39 for alpha particles with different energies," vol. 1(1): 22-27, 2013.
- [53] NCRP. "Structural Shielding Design and Evaluation for Megavoltage X- and Gamma-Ray Radiotherapy Facilities," No. 151, 2005.
- [54] A. K. Thompson. (2013) The National Institute of Standards and Technology (NIST). [Online]. <http://www.nist.gov/pml/div682/grp03/calibrated-neutron.cfm>.
- [55] N. J. Carron. *An Introduction to The Passage of Energetic Particles Through Matter*. 2007: CRC Press, New York.
- [56] R. J. Sheu. C. Y. Yeh, U.T. Lin, S.H. Jiang C.C. Chen, "A detailed study on the neutron contamination of a 10 MeV medical electron accelerator," vol. 562:1033-1037, 2006.
- [57] Sheng-Pin. Lung-Kwang Pan, Hsien-Chun When-Shan Liu, "Thermal Neutron Fluence in a Treatment room with Varian Linear Accelerator ,," 2011.