

## DAFTAR PUSTAKA

- [1] *Stop Kanker*. Laporan penelitian, InfoDATIN, Kementerian Kesehatan Republik Indonesia, Jakarta, 2015.
- [2] Tanpa nama. *Pesawat Linac Pada Radioterapi*. Diakses dari : <https://arearadiologi.wordpress.com/2013/10/08/pesawat-linac-pada-radioterapi/>, 24 Juli 2015
- [3] Suharni, Frida Iswinning Diah dan Pramudita Anggraita. “Tinjauan Teknologi Akselerator Linear (LINAC) Electa Precise di RSUP dr. Sardjito”. *Prosiding PPI-PDIPTN 2010*, hal. 166 – 175, Yogyakarta, 20 Juli 2010.
- [4] H. Al-Ghamdi, Fazal-ur-Rehman, M. I. Al-jarallah dan N. Maalej. “Photoneutron Intensity Variation with Field Size Around Radiotherapy Linear Accelerator 18-MeV X-ray Beam”. *Science Direct*, 43:S495-S499, 2008.
- [5] C. J. Christensen, A. Nielsen, A. Bahnsen, W. K. Brown, dan B. M. Rustad. “The Half-life of the Free Neutron”. *Physics Letters*, 26B:11-13, 1967.
- [6] Kurniawan Riski. *Pemetaan Fluks Neutron pada Pusat Teras Pasca Pergantian Bahan Bakar Reaktor Kartini*. Tesis, Universitas Negeri Yogyakarta, Yogyakarta, 2012.
- [7] Mondjo. “Dosis Ekuivalen Kuliah Proteksi Radiasi, Jurusan Teknik Fisika, Fakultas Teknik Universitas Gadjah Mada, Yogyakarta, 18 September 2013.
- [8] Peraturan Kepala Badan Pengawas Tenaga Nuklir Nomor 4. 2013. Proteksi dan Keselamatan Radiasi dalam Pemanfaatan Tenaga Nuklir. Jakarta : BAPETEN
- [9] Nasukha. “Evaluasi Stabilitas Pesawat Akselerator Linier Medik”. *Prosiding Presentasi Ilmiah Keselamatan Radiasi dan Lingkungan*, hal. 29 – 35, Jakarta, 20-21 Agustus 1996.
- [10] Dyah Fathonah Septiani. *Perkiraan Dosis Ekuivalen Neutron Cepat pada Pasien Radioterapi Linac 15 MV*. Skripsi, Universitas Brawijaya, Malang, 2015.



- [11] Andhang Widiharto. "Fisika Reaktor Nuklir". Kuliah *Fisika Reaktor Nuklir*, Jurusan Teknik Fisika, Fakultas Teknik, Universitas Gadjah Mada, Yogyakarta, 13 Februari 2013.
- [12] Tanpa nama. *Neutron Energy Classification*, Integrated Environmental Management, Inc. Diakses dari <http://www.iem-inc.com/information/tools/radiation-energies/neutron-energy-classifications>, 7 Januari 2016.
- [13] Zubaidah Alatas, Sri Hidayati, Mukhlis Akhadi, Maryati Purba, Dhandang Purwadi, Sudi Ariyanto, Hendig Winarno, Rismiyanto, Ety Sofyatinigrum, Hendriyanto H., Herry Widyastono, Eko Madi Parmanto, Syahril. *Buku Pintar Nuklir*. Badan Tenaga Nuklir Nasional, Jakarta, tanpa tahun.
- [14] Radiation Emergency Medicine information Network. *Types and Characteristics of Radiation*. The Nuclear Safety Research Association (NSRA) manages this site under the direction of the Ministry of Education, Culture, Sports, Science and Technology (MEXT). Diakses dari [http://www.remnet.jp/english/lecture/b03\\_01/e\\_04-04-02.html](http://www.remnet.jp/english/lecture/b03_01/e_04-04-02.html), 23 September 2015.
- [15] Darmawati, Suharni. "Implementasi Linear Accelerator dalam Penanganan Kasus Kanker". *Prosiding Pertemuan dan Presentasi Ilmiah Teknologi Akselerator dan Aplikasinya*, hal.36-47, Yogyakarta, November 2012.
- [16] Gerald J. Kutcher, Lawrence Coia, Michael F. Hanson, Steven Leibel, Robert J. Morton, Jatinder R. Palta, James A. Purdy, Lawrence E. Reinstein, Goran K. Svensson, Mona Weller, Linda Wingfield. *Comprehensive QA for Radiation Oncology*. Dokumen Teknis, AAPM Report No. 46 Report of Taskgroup No. 40 0094-2405/94/21(4)/581/38/\$1.20, American Association of Physicists in Medicine, United States of America, 1994.
- [17] Johnson T. E., Birky B. K. *Health Physics and Radiological Health 4<sup>th</sup> edition*, Wolters Kluwer/ Lippincott Williams & Wilkins, 2012.
- [18] M. Kralik, J. Solc, dan J. Smoldasova. *Measurements of Neutron Contamination Around Radiotherapeutic Linacs*. Laporan Penelitian, Czech Metrology Institute, Prague, tanpa tahun.



- [19] Jao-Perng Lin, Wei-Chung Liu dan Chun-Chih Lin. "Investigation of Photoneutron Dose Equivalent from High-Energy Photons in Radiotherapy". *Science Direct*, 65:599-604, 2007.
- [20] Tanpa nama. *Neutron Dosimeters and Survey Meters in Accelerators, Reactors and Other Neutron Environments*. Laporan Penelitian, a research report prepared for the Atomic Energy Control Board, SENES Consultants Limited, Richmond Hill, 1989.
- [21] Musriadi S. Lamada, Syamsir Dewang, Bualkar Abdullah. *Analisis Konsentrasi Gas Radon dan Thoron di Kota Makassar*. Laporan Penelitian, Universitas Hasanuddin, Makassar, tanpa tahun.
- [22] Sri Widayati. "Adaptasi Pengukuran Dosis Neutron dengan CR-39" *Prosiding Seminar Reaktor Nuklir dalam Penelitian Sains dan Teknologi Menuju Era Tinggal Landas*, hal.425-429, Bandung, 8-10 Oktober 1991.
- [23] Roussetski A. S. *Application of CR-39 Plastic Track Detector for Detection of DD and DT-Reaction Products in Cold Fusion Experiments*. Laporan Penelitian, 8<sup>th</sup> International conference on Cold Fusion, P. N. Lebedev Physical Institute, Bologna, 2000.
- [24] Hasnel Sofyan. "Tanggapan Detektor CR-39 Terhadap Neutron Cepat Menggunakan Radiator D-Polietilen dan H-Polietilen" *Prosiding Presentasi Ilmiah Keselamatan Radiasi dan Lingkungan*, hal.165-170, Jakarta, 20-21 Agustus 1996.
- [25] N. E. Ipe, J. C. Liu, B. R. Buddemeier, C. J. Miles, R. C. Yoder. "A Comparison of The Neutron Response of CR-39 Made by Different Manufactures" *Proceedings of the 7<sup>th</sup> Symposium on Neutrons Dosimetry*, hal.1-18, Berlin, 13-18 Oktober 1991.
- [26] A. Szydlowski, M. Jaskola, A. Malinowska, S. Pszona, A. Wysocka-Rabin, A. Korman, K. Pytel, R. Prokopowicz, J. Rostkowska, W. Bulski, dan M. Kuk. "Radiation Measurements". *Application of Nuclear Track Detectors as Sensors for Photoneutrons Generated by Medical Accelerators*. 50:74-77\_2013.



- [27] Shahid Manzoor. *Improvements and Calibrations of Nuclear Track Detectors for Rare Particle Searches and Fragmentation Studies*. Tesis, University of Bologna, Bologna, 2007.
- [28] M. A. Parkhurst, D. E. Hadlock, dan L.G. Faust. "Nuclear Tracks". *Semi-empirical Model of Neutron and Charged Particle Interaction with CR-39*. 12:593-596\_1986.
- [29] S. R. Hashemi-Nezhad, M. Dolleiser, R. Brandt, W. Westmeier, R. Odoj, M. I. Krivopustov, B. A. Kulakov, dan A. N. Sosnin. "Nuclear Instruments and Methods in Physics Research". *Determination of Energetic Neutron Spatial Distribution Using Neutron Induced Nuclear Recoil Events*. 493:121-130\_2002.
- [30] F. Castillo, G. Espinosa, J. I. Golzarri, D. Osorio, J. Rangel, P. G. Reyes, dan J. J. E. Herrera. "Fast Neutron Dosimetry Using CR-39 Track Detectors with polyethylene as Radiator". *Radiation Measurements*. xxx:1-3, 2012.
- [31] Eric Benton. *Space Radiation Passive Dosimetry*. Laporan Penelitian, Oklahoma State University, Oklahoma, 2012.
- [32] L. Tommasino, G. Zapparoli, P. Spoezia, R. V. Griffith, dan G. Espinosa. "Nuclear Tracks and Radiation Measurements. *Different Etching Processes of Damage Track Detectors for Personnel Neutron Dosimetry*. 8:335-339\_1984.
- [33] D. Nikezic dan K. N. Yu. *Optical Characteristics of Tracks in Solid State Nuclear Detectors Studied with Ray Tracing Methods*. Laporan Penelitian, Nuclear Track Detectors : Design, Methods and Applications, Department of Physics and Materials Science, Kowloon, 2009.
- [34] Lloyd A. Currie. "The Measurement of Environmental Levels of Rase Gas Nuclides and the Treatment of Very Low-Level Counting Data". *Nuclear Science, IEEE Transactions*, 19:119-126, 1972.
- [35] Ravinder Nath, K. W. Price, G. R. Holeman. "Mixed Photon-Neutron Field Managements". *Proceedings of a Conference on Neutrons from Electron Medical Accelerators*, hal. 87-97, Gaithersburg, 9-10 April 1979.



- [36] K. S. Lim, B. H. Kim, S. Y. Chang. "Calibration of Neutron Measuring Instruments by  $^{252}\text{Cf}$  Neutron Source" *Transaction of the Korean Nuclear Society Autumn Meeting*, Busan, 27-28 Oktober 2005.
- [37] Peraturan Kepala Badan Pengawas Tenaga Nuklir Nomor 3. 2013. Keselamatan Radiasi dalam Penggunaan Radioterapi. Jakarta : BAPETEN.
- [38] James A. Deye, James E. Rodgers, Raymond K. Wu, Peter J. Biggs, Richard C. McCall, Patton H. McGinley, Kenneth R. Kase, Marc Edwards. *NCRP Report No. 151 – Structural Shielding Design and Evaluation for Megavoltage X- and Gamma-Ray Radiotherapy Facilities*. National Council on Radiation Protection and Measurement, Bethesda, 2005.
- [39] Tanpa nama. *Data Laju Dosis Sumber Neutron Standar  $^{252}\text{Cf}$* . Dokumen Teknis, Pusat Teknologi Keselamatan dan Metrologi Radiasi Badan Tenaga Nuklir Nasional, Jakarta, 2014.
- [40] Rasito T., J. R. Dumais, Fendi Nugroho. *Penentuan Spektrum Neutron di Fasilitas Kalibrasi PTKMR Menggunakan Bonner Sphere Spectrometer*. Laporan penelitian, BATAN, Bandung, Tanpa tahun.