DAFTAR PUSTAKA

[1] Nicholas Tsoulfanidis, *Measurement and Detection of Radiation*, Washington, DC: Taylor & Francis, 1995.

[2] World Health Organization, "Cancer," Februari 2015. Diakses dari http://www.who.int/mediacentre/factsheets/fs297/en/. , 13 Juli 2015.

[3] Ferlay J, Soerjomataram I, Ervik M, Dikshit R, Eser S, Mathers C and et al, "Cancer Incidence and Mortality Worldwide: IARC CancerBase No.11," in *GLOBOCAN 2012 v1.0*, Lyon, France, 2013.

[4] Mugi Wahidin, Rini Noviani, Sofia Hermawan, Vita Andriani, Ardi Ardian and Hernani Djarir, "*Population-Based Cancer Registration in Indonesia*," *Asian Pacific Journal of Cancer Prevention,* vol. 13, 2012.

[5] American Cancer Society, *The Science Behind Radiation Therapy,* 2014.

[6] Nina Fauziah, *A Conceptual Design of Neutron Collimator in The Thermal Column of Kartini Research Reactor for Boron Neutron Capture Therapy*, Yogyakarta: Departemen Teknik Fisika, Fakultas Teknik, Universitas Gadjah Mada, 2013.

[7] Herman Cember and Tomas E. Johnson, *Introduction to Health Physics*, 4th ed., New York: The McGraw-Hill Companies, Inc., 2009.

[8] D. Rorer, A. Wambersie, G. Whitmore, R. Zamenhof, V. Levin, P. Andreo and B. Dodd, *Current Status of Neutron Capture Therapy*, Vienna: International Atomic Energy Agency, 2001.

[9] W. A. G. Sauerwein, A. Wittig, R. Moss and Y. Nakagawa, *Neutron Capture Therapy: Principles and Application*, Berlin: Springer-Verlag, 2012.

[10] Ranti Warfi, *Optimasi Kolimator Kolom Termal untuk Fasilitas Uji in vitro dan in vivo BNCT di Reaktor Kartini Menggunakan Simulator MCNP-X*, Yogyakarta: Departemen Teknik Fisika, Fakultas Teknik, Universitas Gadjah Mada, 2015.

[11] M. I. M. A. Dwiputra, *Pemodelan Perisai Radiasi Fasilitas Boron Neutron Capture Therapy dengan Sumber Neutron Kolom Termal Reaktor Kartini Menggunakan Simulator Monte Carlo N Particle Extended.*, Yogyakarta: Departemen Teknik Fisika, Fakultas Teknik, Universitas Gadjah Mada, 2015.

[12] "Kamus Kesehatan - in vitro," Diakses dari http://kamuskesehatan.com/arti/in-vitro/. , 31 Agustus 2015.

[13] "Kamus Kesehatan - in vivo," Diakses dari http://kamuskesehatan.com/arti/in-vivo/. , 31 Agustus 2015.

[14] Andang Widi Harto, *Metode Monte Carlo, kuliah tanggal 28 Agustus 2014,* Yogyakarta: Jurusan Teknik Fisika, Universitas Gadjah Mada.

[15] Denise B. Pelowitz, "*MCNPX User's Manual version 2.6.0*," 2008.

[16] Dwi Berlianti Siwi, *Analisis Dosis di Organ Kritis Pada Terapi Glioblastioma dengan Boron Neutron Capture Therapy Menggunakan Metode Simulasi MCNP5*, Yogyakarta: Departemen Teknik FIsika, Fakultas Teknik, Universitas Gadjah Mada, 2013.

[17] International Atomic Energy Agency, Radiation Biology : A Handbook for Teachers and Students, Vienna: IAEA, 2010.

[18] Irhas, *Dosimetri Boron Neutron Capture Therapy pada Kanker Hati (Hepatocellular Carcinoma) Menggunakan MCNP-code dengan Sumber Neutron dari Kolom Termal Reaktor Kartini*, Yogyakarta: Departemen Teknik Fisika, Fakultas Teknik, Universitas Gadjah Mada, 2014.

[19] International Commission on Radiation Unit and Measurements, "Report 44," USA, 1989.

[20] M.Ilma Muslih Arrozaqi, *Dasar-Dasar Pemrograman MCNPX*, Yogyakarta: Pusat Sains dan Teknologi Akselerator Badan Tenaga Nuklir Nasional, 2014.

[21] A. Wambersie, H. G. Menzel, P. Andreo, P. M. DeLuca Jr., R. Gahbauer and J. H. Hendry, "Isoeffective Dose: A Concept for Biological Weighting of Absorbed Dose in Proton and Heavier Ion Therapies," *Radiation Protection Dosimetry,* pp. 481-486, 2011.

[22] M. Cristy and K. F. Eckerman, *Specific Absorbed Fractions of Energy at Various Ages from Internal Photon Sources. VII. Adult Male.*, Tennessee: Oak Ridge National Laboratory, 2002.