

DAFTAR PUSTAKA

- [1] MolecularImaging: *Isotope Production Alternatives aim to meet North American Demand*. Diakses dari <http://www.molecularimaging.net/topics/molecular-imaging/biomarkers/isotope-production-alternatives-aim-meet-north-american-demand>, 9 September 2014
- [2] Parliament of Canada: *2009-2010 Medical Isotope Shortage: Cause, Effects, and Future Consideration*. Diakses dari <http://www.parl.gc.ca/content/lop/researchpublications/2009-04-e.htm>, 9 September 2014.
- [3] MolecularImaging: *Isotope Crisis: New Technologies Primed for Post-Chalk River Production*. Diakses dari <http://www.molecularimaging.net/topics/molecular-imaging/biomarkers/isotope-crisis-new-technologies-primed-post-chalk-river-production?nopaging=1>, 9 September 2014
- [4] James Welsh, *Emerging Technology: Novel Means of Radioisotope Production*, United States Nuclear Regulatory Commission, 2010. Diakses dari <http://pbadupws.nrc.gov/docs/ML1030/ML103010191.pdf>, 20 November 2014
- [5] G.R. Piefer, K.M. Pitas, E.N. Van Abel, T.R. Mackie, T.A. Heltemes, R.V. Bynum dan T.T. Gribb, "Mo-99 Using a Subcritical Assembly", 1st Annual Molybdenum-99 Topical Meeting, 2011. Diakses dari http://mo99.ne.anl.gov/2011/pdfs/Mo99%202011%20Web%20Papers/S6-P3_Piefer-Paper.pdf, 18 November 2014.
- [6] *Nuclear Regulatory Legislation: 112th Congress; 2nd Session*. Dokumen teknis, NUREG-0980 Vol. 1, No.10, United States Nuclear Regulatory Commission, Washington D.C., 2013.
- [7] Valery Host, *Progress on IRE's LEU Conversion Program*, ⁹⁹Mo Topical Meeting, 2013. Diakses dari

- http://mo99.ne.anl.gov/2013/pdfs/Mo99%202013%20Web%20Presentation%20S3-P3_Host.pdf, 18 November 2014.
- [8] Ahmad Mushtaq, Masood Iqbal, Ishtiaq Hussain Bokhari, Tayyab Mahmood dan Atta Muhammad. "Conversion of Molybdenum-99 Production Process to Low Enriched Uranium: Neutronic and Thermal Hydraulic Analysis of HEU and LEU Target Plate for Irradiation in Pakistan Research Reactor-1. *Nuclear Instruments and Methods in Physics Research B*. 287:35-45. 2012
 - [9] G.F. Vandergrift, C. Conner, G.L. Hofman, R.A. Leonard, A. Mutalib, J. Sedlet, D.E. Walker, T.C. Wiencek dan J.L. Snelgrove. "Modification of Targets and Process for Conversion of ⁹⁹Mo Production from High-to-Low-Enriched Uranium. *Ind. Eng. Chem.* 9:39. 2000.
 - [10] Ilham Variansyah. Simulasi Dinamika Reaktor Titik LFIPR Berdasar Bahan Bakar Uranil Nitrat. Skripsi, Jurusan Teknik Fisika, Fakultas Teknik, Universitas Gadjah Mada, Yogyakarta. 2014
 - [11] Edi Trijono Budisantoso dan Syarip. "Studi Produksi Radioisotop Mo-99 dengan Bahan Target Larutan Uranil Nitrat Pada Reaktor Kartini". *Ganendra*. 5:1-8. 2002.
 - [12] Daesong Jo, Kyung-Hoon Lee, Hong-Chul Kim dan Heetaek Chae. "Neutronic and Thermal Hydraulic Analyses of LEU Targets Irradiated in A Research Reactor for Molybdenum-99 Production". *Annals of Nuclear Energy*. 71:467-474. 2014.
 - [13] James Welsh, *Emerging Technology: Novel Means of Radioisotope Production*, United States Nuclear Regulatory Commission, 2010. Diakses dari <http://pbadupws.nrc.gov/docs/ML1030/ML103010191.pdf>, 20 November 2014
 - [14] Gregory Piefer, *Presentation to NRC: Status Update on Medical Isotope Facility*, SHINE Medical Technologies, 2012. Diakses dari <http://www.nrc.gov/reading-rm/doc-collections/commission/slides/2012/20120511/piefer-20120511.pdf>, 20 November 2014.

- [15] S. Chemerisov, A.J Youker, A. Hebden, N.Smith, P. Tkac, C.D. Jonah, J. Bailey, V. Makarashvili, B. Mickhlich, M. Kalensky dan G.F. Vandergrift, "Development of The Mini-SHINE/MIPS Experiment", ⁹⁹Mo Topical Meeting, 2013. Diakses dari http://mo99.ne.anl.gov/2011/pdfs/Mo99%202011%20Web%20Papers/S11-P2_Chemerisov-Paper.pdf, 18 November 2014.
- [16] S. Chemerisov, A.J Youker, A. Hebden, N.Smith, P. Tkac, C.D. Jonah, J. Bailey, V. Makarashvili, B. Mickhlich, M. Kalensky dan G.F. Vandergrift, "Design on The Mini-SHINE/MIPS Experiment", ⁹⁹Mo Topical Meeting, 2013. Diakses dari http://mo99.ne.anl.gov/2011/pdfs/Mo99%202011%20Web%20Presentation/s/S11-P2_Chemerisov.pdf, 18 November 2014.
- [17] Weston M. Stacey. *Fusion: An Introduction to The Physics and Technology of Magnetic Confinement Fusion, Edisi Kedua*. Wiley-VCH, Weinheim, 2010.
- [18] John R. Lamarsh dan Anthony J. Baratta. *Introduction to Nuclear Engineer, Edisi Ketiga*. Prentice-Hall, New Jersey, 2001.
- [19] James J. Duderstadt dan Louis J. Hamilton. *Nuclear Reactor Analysis*. John Wiley & Sons, New York, 1976.
- [20] *MCNPXTM User's Manual Ver. 2.6.0*. Dokumen teknis, Los Alamos National Security, California, 2008.
- [21] Irhas. *Dosimetri Boron Neutron Capture Therapy pada Kanker Hati (Hepatocellular Carcinoma) Menggunakan MCNP-Code dengan Sumber Neutron dari Kolom Termal Reaktor Kartini*. Skripsi, Jurusan Teknik Fisika, Fakultas Teknik, Universitas Gadjah Mada, Yogyakarta. 2014.
- [22] Leung, K.N, dkk, *Compact Neutron Generator Development and Applications*, Lawrence Berkeley National Laboratory, Berkeley, CA., USA.
- [23] Japan Atomic Energy Agency Nuclear Data Center, JENDL 4.0. Diakses dari <http://www.ndc.jaea.go.jp/cgi-bin/Tab80WWW.cgi?lib=J40&iso=Be009>, 24 Maret 2015.

- [24] Japan Atomic Energy Agency Nuclear Data Center, JENDL 4.0. Diakses dari <http://wwwndc.jaea.go.jp/cgi-bin/Tab80WWW.cgi?lib=J40&iso=H001>, 24 Maret 2015.
- [25] Japan Atomic Energy Agency Nuclear Data Center, JENDL 4.0. Diakses dari <http://wwwndc.jaea.go.jp/cgi-bin/Tab80WWW.cgi?lib=J40&iso=H002>, 24 Maret 2015.
- [26] Japan Atomic Energy Agency Nuclear Data Center, JENDL 4.0. http://wwwndc.jaea.go.jp/j40fig/jpeg/be009_f3.jpg, 24 Maret 2015.
- [27] National Institute of Standard and Technologies, Scattering Length Density Calculator. Diakses dari <http://www.ncnr.nist.gov/resources/sldcalc.html>, 24 Maret 2015.