

## DAFTAR PUSTAKA

- [1] IAEA, *Management of spent high activity radioactive sources (SHARS)*. Vienna: IAEA-TECDOC-1301, 2002.
- [2] T. Marpaung, “Kajian Pengelolaan Limbah Radioaktif Sumber Terbungkus Berdasarkan Rekomendasi Badan Tenaga Atom Internasional (IAEA),” *Pros. Semin. Nas. Teknol. Pengelolaan Limbah VIII*, no. 10, pp. 37–46, 2009.
- [3] IAEA, *Classification of Radioactive Wastes*. Vienna: General SAFETY Guide No. GSG-1, 2009.
- [4] BRIN, “Limbah Radioaktif Bisa Digunakan Kembali,” 2019. <https://www.brin.go.id/limbah-radioaktif-bisa-digunakan-kembali/>.
- [5] BATAN, *Peraturan Kepala Badan Teknologi Nuklir Nasional Nomor 7 Tahun 2017 tentang Penggunaan Kembali (Reuse) dan Daur Ulang (Recycle) Zat Radioaktif Terbungkus yang tidak Digunakan*. .
- [6] P. A. Artiani, R. Ratiko, Y. Purwanto, and K. Heriyanto, “Pengaruh Perisai Radiasi Pada Penyimpanan Kering Bahan Bakar Nuklir Bekas untuk Reaktor Daya Eksperimental,” *J. Pengemb. Energi Nukl.*, vol. 20, no. 2, p. 83, 2019, doi: 10.17146/jpen.2018.20.2.5025.
- [7] H. W. Salsabylla, “Analisis Material Penyusun Kontainer Penyimpanan Limbah Radioaktif Cobalt-60 Pesawat Teleterapi Dengan Perisai Timbal,” Universitas Gadjah Mada, 2022.
- [8] L. B. Shappert, *A Guide for the Design, Fabrication, and Operation of Shipping Casks for Nuclear Applications*, ORNL-NSIC-. Oak Ridge, Tennessee: Oak Ridge National Laboratory, 1970.
- [9] *Peraturan Pemerintah Republik Indonesia Nomor 61 Tahun 2013 Tentang Pengelolaan Limbah Radioaktif*. 2013.
- [10] BATAN, *Peraturan Kepala Badan Tenaga Nuklir Nasional Nomor 1 Tahun 2016 Tentang Pembinaan Terhadap Pelaksanaan Pengelolaan Limbah Radioaktif*. 2016.
- [11] BAPETEN, *Keputusan Kepala Badan Pengawas Tenaga Nuklir No. 05-P/Ka-BAPETEN/VII-00 tentang Pedoman Persyaratan untuk Keselamatan Pengangkutan Zat Radioaktif*. .
- [12] Suhartono, Suparno, and Suryantoro, “Pra Rancangan Kontainer Tempat Penyimpanan Limbah Radioaktif Sumber Terbungkus 192Ir,” in *Seminar Nasional Teknologi Pengelolaan Limbah X*, 2014, pp. 65–74.
- [13] G. Miccich, L. Lorenzelli, D. Bernardi, and V. Queral, “Enhancement of the remote handling strategy for the refurbishment of the backplate bayonet



- concept of IFMIF target system,” *Fusion Eng. Des.*, vol. 86, no. 9–11, pp. 2109–2112, 2011, doi: 10.1016/j.fusengdes.2011.04.064.
- [14] Roatis and et al, “United States Patent; Bayonet Locking System and Mehod for Vending Machines and The Like,” US 6581986 B2, 2003.
  - [15] A. M. Efendi, “Perancangan Pengelolaan Limbah Pada Ruang Isolasi Kedokteran Nuklir RSUP Dr. Sardjito,” Universitas Gadjah Mada, 2017.
  - [16] F. C. Hila, R. E. Piquero, C. A. M. Dingle, A. A. Astronomo, J. F. M. Jecong, and E. A. Marcelo, “Dose Rate Analysis of Upgraded Storage Drums for Disused Sealed Radioactive Sources by A Multivariate Interpolation Program Developed Using MCNP5,” *Philipp. J. Sci.*, vol. 149, no. 1, pp. 65–75, 2020.
  - [17] IAEA, “What is Radiation?,” *International Atomic Energy Agency*, 2022. <https://www.iaea.org/newscenter/news/what-is-radiation>.
  - [18] N. Tsoulfanidis and S. Landsberger, *Measurement detection of radiation, 4th edition*, 4th editio. CRC Press, 2015.
  - [19] International Atomic Energy Agency, “Sealed Radioactive Sources - Information, Resources and Advice for Key Groups About Preventing Loss of Control Over Sealed Radioactive Sources,” pp. 1–39, 2013.
  - [20] Modjo *et al.*, *Diktat Pengantar Teknik Nuklir*. Yogyakarta, 2017.
  - [21] G. F. Knoll, *Radiation Detection and Measurement*, 4th ed. Michigan: John Wiley & Sons, Inc., 2019.
  - [22] H. Cember and T. E. Johnson, *Introduction to Health Physics: Fourth Edition*, vol. 35, no. 12. Mc Graw Hill, 2008.
  - [23] H. Kodrat, R. Susworo, T. Amalia, and R. R. Sabariani, “Radioterapi Konformal Tiga Dimensi dengan Pesawat Cobalt-60,” *Radioter. Onkol. Indones.*, vol. 7, no. 1, pp. 37–42, 2018, doi: 10.32532/jori.v7i1.43.
  - [24] P. E.B., *Radiation Oncology Physics: A Handbook for Teachers and Students*. Vienna: International Atomic Energy Agency, 2005.
  - [25] G. Rendy Natanael, A. Rabbany, H. Yasmine, and F. P. Pangestu, “Proyeksi Teknoekonomi Iradiator Gamma Kapasitas 450 kCi Selama 30 Tahun,” in *Seminar Nasional Inovasi dan Pendayagunaan Teknologi Nuklir 2020*, 2020, no. November, pp. 465–471.
  - [26] Badan Pengawas Tenaga Nuklir, *Peraturan Kepala Badan Pengawas Tenaga Nuklir Nomor 4 Tahun 2013 tentang Proteksi dan Keselamatan Radiasi dalam Pemanfaatan Tenaga Nuklir*. 2013.
  - [27] “Advantages of the Bayonet Locking Bomb,” *Energy Instrumentation*. <http://energyinst.co.za/advantages-of-the-bayonet-locking-bomb/> (accessed Jun. 28, 2022).



- [28] G. E. Dieter and L. C. Schmidt, *Engineering Design 5th Edition*, vol. 5. McGraw Hill, 2013.
- [29] L. Ari Nendra Wibawa, *Merancang Komponen Roket 3D Dengan Autodesk Inventor Professional 2017*. 2018.
- [30] A. Widi Harto, "Metode Monte Carlo Dan Aplikasinya Dalam Perhitungan Radiasi Nuklir Pada Bnct (Boron Neutron Capture Cancer Therapy)," *Status Boron Neutron Capture Cancer Ther. d Indones. Princ. Appl.*, pp. 1–34, 2014.
- [31] H. Oktajianto, *Dasar-dasar Software MCNP (Monte Carlo N-Particle)*. Semarang, 2015.
- [32] C. J. Werner *et al.*, *MCNP User's Manual Code Version 6.2*. 2017.
- [33] S. A. . Fegghi, "An Introduction to MCNP."
- [34] J. K. Shultis and R. E. Faw, *An MCNP Primer*. Manhattan: Dept. of Mechanical and Nuclear Engineering Kansas State University, 2006.
- [35] "Stainless Steel Sheet," *ZQ Steel*.  
[https://www.zqmetal.com/products/ss\\_for\\_sale/stainless\\_steel\\_supplier.html?gclid=Cj0KCQjw-pCVBhCFARIsAGMxhAdwKGEbn2z114LUwFS4wZhW7ti\\_mfSkR2SbaHt7UtDxx\\_OMZqbx1ycaArDuEALw\\_wcB](https://www.zqmetal.com/products/ss_for_sale/stainless_steel_supplier.html?gclid=Cj0KCQjw-pCVBhCFARIsAGMxhAdwKGEbn2z114LUwFS4wZhW7ti_mfSkR2SbaHt7UtDxx_OMZqbx1ycaArDuEALw_wcB) (accessed Jun. 11, 2022).
- [36] "AISI Type 304 Stainless Steel," *Aerospace ASM Specification Metals Inc*.  
<https://asm.matweb.com/search/SpecificMaterial.asp?bassnum=mq304a> (accessed Nov. 07, 2022).
- [37] *Peraturan Pemerintah Republik Indonesia Nomor 33 Tahun 2007 Tentang Keselamatan Radiasi Pengion dan Keamanan Sumber Radioaktif*. 2007, pp. 1–58.
- [38] "Material Properties: Lead – Strength – Hardness – Elasticity – Crystal Structure." <https://material-properties.org/lead-mechanical-properties-strength-hardness-crystal-structure/> (accessed Nov. 07, 2022).
- [39] W. P. Syam, *Toleransi Dimensi dan Geometri; Analisis Rantai Variasi dalam Proses Perakitan Produk*. 2019.
- [40] "Data Mining Analysis and Modeling Cell: Compendium of Material Composition Data for Radiation Transport Modeling," 2021. [Online]. Available:  
[www.pnnl.gov/main/publications/external/technical\\_reports/pnnl-15870rev1.pdf](http://www.pnnl.gov/main/publications/external/technical_reports/pnnl-15870rev1.pdf).
- [41] IAEA, *Review of Sealed Source Designs and Manufacturing Techniques Affecting Disused Source Management*, IAEA-TECDO. Vienna, 2012.

