

DAFTAR PUSTAKA

- [1] H. Kodrat, R. Susworo, T. Amalia and R. R. Sabariani, "Radioterapi Konformal Tiga Dimensi Dengan Pesawat Cobalt-60," *Radioterapi dan Onkologi Indonesia*, vol. 7, no. 1, pp. 37-42, 2016.
- [2] T. Marpaung, "Kajian Pengelolaan Limbah Radioaktif Sumber Terbungkus Berdasarkan Rekomendasi Badan Tenaga Atom Internasional (IAEA)," in *Pusat Teknologi Limbah Radioaktif-BATAN*, Jakarta, 2009.
- [3] International Atomic Energy Agency, "Management of Spent High Activity Radioactive Sources (SHARS)," September 2002. [Online]. Available: https://www-pub.iaea.org/MTCD/Publications/PDF/te_1301_web.pdf. [Accessed 30 November 2022].
- [4] Badan Pengawas Tenaga Nuklir, Undang-Undang Republik Indonesia Nomor 10 Tahun 1997 tentang Ketenaganukliran, Jakarta: BAPETEN, 1997.
- [5] Badan Pengawas Tenaga Nuklir, Peraturan Pemerintah Nomor 27 Tahun 2002 tentang Pengelolaan Limbah Radioaktif, Jakarta: BAPETEN, 2002.
- [6] H. S. Wardani, Kusnanto and A. Muharini, "Analisis Material Penyusun Kontainer Penyimpanan Limbah Radioaktif Cobalt-60 Pesawat Teleterapi dengan Perisia Timbah," Universitas Gadjah Mada, Yogyakarta, 2021.
- [7] Y. T. Selim, Y. F. Lasheen, M. A. Hassan and T. M. El Zakla, "Removal of Alcyon II, CGR, MeV Co-60 Teletherapy Head and Evaluation of Exposure Dose," *J. Environ. Prot.*, vol. 4, no. 2013, pp. 1345-1440, 12.
- [8] Aisyah, "Pengelolaan Sumber Radiasi Bekas Radioterapi," *Seminar Nasional Teknologi Pengolahan Limbah VI*, pp. 46-61, 2008.
- [9] S.-H. Chung, D.-H. Kim, C.-Y. Baek, S.-B. Kim, B.-I. Choi, K.-H. Yang and H.-Y. Lee, "Conceptual Design for HIC Transport Package," *Korea Hydro & Nuclear Power*, vol. 1, no. 4, pp. 305-600, 2013.
- [10] T. Harjanto, Kristiyanti and M. Sibarani, "Perancangan Kontainer Mobile Isotop Ir-192 10 Ci dari Bahan Tungsten Serbuk untuk Brakiterapi," in *Prosiding Petemuan Ilmiah Perekayasa Perangkat Nuklir*, Tangerang Selatan, 2013.



- [11] W. D. Richins, T. E. Fewell, H. J. Welland and H. R. Shelly Jr., "Shielded containers for radioactive waste using recycled contaminated metals," *Nuclear Engineering and Design*, no. 197, pp. 183-195, 2000.
- [12] L. Vehovar and M. Tandler, "Stainless steel containers for the storage of low and medium level radioactive waste," *Nuclear Engineering and Design*, no. 206, pp. 21-23, 2001.
- [13] IAEA, Containers for Packaging of Solid and Intermediate Level Radioactive Wastes, Vienna: International Atomic Energy Agency, 1993.
- [14] S. Hongchao, L. Guoqiang and dkk, "Safety Reviews of Transport Container of Radioactive Sources," in *Proceedings of the 19th International Symposium on the Packaging and Transportation of Radioactive Materials*, USA, 2019.
- [15] E. Wijatna, S. Hario P. and dkk, Pengantar Teknik Nuklir, Yogyakarta: Universitas Gadjah Mada, 2017.
- [16] BATAN, "Interaksi Radiasi dengan Materi (Proses Dasar)," BATAN, [Online]. Available: <https://www.batan.go.id/ensiklopedi/08/01/02/03/08-01-02-03.html>. [Accessed April 25 2022].
- [17] H. Johnson and T. E. Cember, Introduction to Health Physics Fourth Edition, New York: The McGraw-Hill Companies, 2009.
- [18] G. N. Sutapa, N. L. Widyasari and A. Dewi, "Mendalami Respon Adaptasi Sel Terhadap Paparan Radiasi Pengion," *Buletin ALARA*, vol. 1, no. 15, 2013.
- [19] H. Samosir and S. Ilyas, "Media Neliti," 17 Januari 2020. [Online]. Available: <https://media.neliti.com/media/publications/221241-pengaruh-paparan-radiasi-terhadap-petuga.pdf>. [Accessed 9 Mei 2022].
- [20] A. Sanyoto, "Keefektifan Pelaksanaan Program Program Proteksi Radiasi," *Widyanuklida*, vol. 2, no. 5, pp. 25-33, 2004.
- [21] D. Sulustyani R. and Purwantara, "Pengangkutan dan Penyimpanan Sementara Limbah Radioaktif Tingkat Rendah dan Limbah Radioaktif Tingkat Tinggi," *Hasil Penelitian dan Kegiatan PTLR Tahun 2012*, vol. 1, no. 1, pp. 565-571, 2012.
- [22] BAPETEN, "PERKA BAPETEN No. 8 Tahun 2016 tentang Pengolahan Limbah Radioaktif Tingkat Rendah dan Tingkat Sedang," BAPETEN, Jakarta, 2016.



- [23] P. Mayles and e. al, "Handbook of Radiography Physics," in *Theory and practice*, Amerika Serikat, Taylor and Francis, 2007.
- [24] M. Philip S., "Penumbra effect on integral absorbed dose in co-60 teletherapy. Journal of the Korean Nuclear Society," *Journal of the Korean Nuclear Society*, vol. 2, no. 5, pp. 87-93, 1973.
- [25] BAPETEN, Peraturan Kepala BAPETEN No. 8 Tahun 2016 Tentang Pengolahan Limbah Radioaktif Tingkat Rendah dan Sedang, Jakarta: BAPETEN, 2016.
- [26] M. Alfiyan and Y. R. Akhmad, "Strategi Pengelolaan Limbah Radioaktif di Indonesia Ditinjau dari Konsep Cradle to Grave," *Jurnal Teknologi Pengelolaan Limbah*, vol. II, no. 13, pp. 1-7, 2010.
- [27] IAEA, Development of Specifications for Radioactive Waste Packages, Vienna: 2006, 2006.
- [28] IAEA, Radioactive Waste Management, Vienna: IAEA, 2003.
- [29] IAEA, The Principles of Radioactive Waste Management, Safety Fundamentals, Safety Series No. 111-F, Vienna: IAEA, 1995.
- [30] IAEA, Joint Convention on the Safety of Spent Fuel Management and on the Safety of Radioactive Waste Management, Vienna: IAEA, 1997.
- [31] IAEA, Near Surface Disposal of Radioactive Waste, Vienna : IAEA, 1999.
- [32] IAEA, Safety Considerations in the Disposal of Disused Sealed Radioactive Sources in Borehole Facilities IAEATECDOC-1368, Vienna: IAEA, 2003.
- [33] Innovated Biomedical Engineering Ltd., "A Guide to the Use of Lead for Radiation Shielding," [Online]. Available: https://innovativebiomedical.com/wp-content/uploads/2012/03/radiation_shielding-lead-etc..pdf. [Accessed 15 Mei 2022].
- [34] Azo Materials, "Grade 304 Stainless Steel: Properties, Fabrication and Applications," Aalco - Ferrous and Non-Ferrous Metals Stockist, 18 Mei 2005. [Online]. Available: <https://www.azom.com/article.aspx?ArticleID=2867>. [Accessed 2022 November 22].



- [35] A. R. a. A. R. Kharis, "Investigatin the Shielding Effectiveness for Spent Fuel Dry Storage Cask Using MCNP Code," in *European Research Reactor Conference*, Jordan, 2019.
- [36] U. S. N. R. Commission, "Part 71 - Packaging and Transportation od Radioactive Material," 30 Desember 2021. [Online]. Available: <https://www.nrc.gov/reading-rm/doc-collections/cfr/part071/full-text.html#part071-0047>. [Accessed 23 Mei 2022].
- [37] BAPETEN, PERKA BAPETEN No. 7 Tahun 2020 Tentang Ketentuan Keselamatan dan Tata Laksana Pengangkutan Zat Radioaktif, Jakarta: BAPETEN, 2020.
- [38] World Nucleaer Transport Institute, Package Types used for Transporting Radioactive Materials, London: World Nucleaer Transport Institute, 2020.
- [39] N. T. E. Herawan, Kebijakan Nasional Pengangkutan Zat Radioaktif, Jakarta: BATAN Press, 2018.
- [40] Agency, The Federal Emergency Management, "Radioactive Material Shipping Packages," dalam IS-302: Modular Emergency Radiological Response Transportation Training," *The Federal Emergency Management Agency*, vol. 6, no. 9, pp. 1-6, 2018.
- [41] G. E. Swindell, "The Safe Transport of Radioactive Material," Vienna, IAEA, 1975, pp. 6-11.
- [42] R. Budynass and J. K. Nisbentt, Shingley's Mechanical Engineering Design Tenth Edition, New York: McGraw Hill Education, 2015.
- [43] I. W. Widhiada, Manual Module Menchanical Engineering Drawing dan Design Dengan Menggunakan Software Autodesk Inventor Version 2014 dan 2017, Bali: Teknik Mesin Universitas Udayana, 2017.
- [44] M. A. Shafii, "Solution methods of neutron transport equation in nuclear reactors," *J. Ilmu Dasar*, vol. 2, no. 14, pp. 59-65, 2013.
- [45] H. Setyo, "Analisis Kritikalitas pada Penyimpanan Bahan Bakar Nuklir Bekas PLTN Terapung KLT-405," UGM, Yogyakarta, 2019.
- [46] A. W. Harto, "Metode Monte Carlo dan Aplikasinya dalam Perhitungan Radiasi Nuklir pada BNCT (Boron Neutron Capture Cancer Therapy)," Universitas Gadjah Mada, Yogyakarta, 2020.



- [47] N. Rosyida, Pengukuran Laju Dosis Paparan Radiasi Eksternal di Area Radioterapi RSUD Dr. Saiful Anwar Malang, Malang: Universitas Brawijaya, 2016.
- [48] R. J. McConn Jr, C. J. Gesh, R. T. Pagh, R. A. Rucker and R. G. Williams III, "Compendium of Material Composition Data for Radiation Transport Modeling," 2011. [Online]. Available: www.pnnl.gov/main/publications/external/technical_reports/pnnl-15870rev1.pdf. [Accessed 11 November 2022].
- [49] M. Nordion, "Certificate for Special Form, Canada: Canadian Nuclear Safety Commission, 2013.
- [50] The SAGE Encyclopedia of Educational Reserach, Measurement, and Evaluation, Thousand Oaks: SAGE Publications, Inc, 2018.
- [51] G. F. Knoll, Radiation Detection and Measurement 4th Edition, United States: John Wiley & Sons, Inc., 2006.
- [52] PETROPLAT, "Conceptual Design, FEED, Detailed Design," PETROPLAT, 2022. [Online]. Available: <http://www.petroplat.com/conceptual-design-feed-detailed-design/>. [Accessed 8 Desember 2022].
- [53] PT. Energi Adidaya Nusantara, "Steel Pipes," PT. Energi Adidaya Nusantara, [Online]. Available: <https://energi-adidaya.com/steel-pipes/>. [Accessed 11 November 2022].
- [54] PT. Energi Adidaya Nusantara, "Steel Plates," PT. Energi Adidaya Nusantara, [Online]. Available: <https://energi-adidaya.com/steel-plates/>. [Accessed 11 November 2022].

