

DAFTAR PUSTAKA

- [1] “Peraturan Pemerintah Nomor 79 Tahun 2014 tentang Kebijakan Energi Nasional.” [Online]. Available: <https://jdih.esdm.go.id/> (accessed Feb. 09, 2021).
- [2] B. Zohuri, *Nuclear Micro Reactors*. 2020.
- [3] K. Sun, L. W. Hu, and C. Forsberg, “Neutronic design features of a transportable fluoride-salt-cooled high-temperature reactor,” *J. Nucl. Eng. Radiat. Sci.*, vol. 2, no. 3, 2016, doi: 10.1115/1.4032873.
- [4] H. Yu, D. Hartanto, J. Moon, and Y. Kim, “A conceptual study of a supercritical CO₂-cooled micro modular reactor,” *Energies*, vol. 8, no. 12, pp. 13938–13952, 2015, doi: 10.3390/en81212405.
- [5] M. H. Rabir, A. F. Ismail, and M. S. Yahya, “Review of the microheterogeneous thoria-urania fuel for micro-sized high temperature reactors,” *Int. J. Energy Res.*, vol. 45, no. 8, pp. 11440–11458, 2021, doi: 10.1002/er.5923.
- [6] M. H. Rabir, A. F. Ismail, and M. S. Yahya, “Neutronics calculation of the conceptual TRISO duplex fuel rod design,” *Nucl. Mater. Energy*, vol. 27, p. 101005, 2021, doi: 10.1016/j.nme.2021.101005.
- [7] B. Zohuri, *Neutronic analysis for nuclear reactor systems: Second edition*. 2019.
- [8] A. Agung, “Analisis Reaktor Nuklir,” p. 241, 2017.
- [9] A. Widi Harto, “Fisika Reaktor Nuklir,” 2015.
- [10] J. J. Duderstadt and L. J. Hamilton, “1976_Nuclear_Reactor_Analysis.pdf.” 1976.
- [11] W. M. Stacey, *Nuclear Reactor Physics*, 2nd ed. Weinheim: WILEY-VCH Verlag GmbH & Co, 2007.
- [12] J. J. Powers and B. D. Wirth, “A review of TRISO fuel performance models,” *J. Nucl. Mater.*, vol. 405, no. 1, pp. 74–82, 2010, doi: 10.1016/j.jnucmat.2010.07.030.
- [13] K. Li, L. Qian, X. Li, Y. Ma, and W. Zhou, “BeO Utilization in Reactors for



- the Improvement of Extreme Reactor Environments - A Review,” *Front. Energy Res.*, vol. 9, no. May, pp. 1–14, 2021, doi: 10.3389/fenrg.2021.669832.
- [14] S. Atkinson, T. J. Abram, D. Litskevich, and B. Merk, “Small modular high temperature reactor optimisation – Part 1: A comparison between beryllium oxide and nuclear graphite in a small scale high temperature reactor,” *Prog. Nucl. Energy*, vol. 111, no. October 2018, pp. 223–232, 2019, doi: 10.1016/j.pnucene.2018.10.017.
- [15] IAEA, *Thermophysical Properties of Materials For Nuclear Engineering: A Tutorial and Collection of Data*. Vienna, 2008.
- [16] R. R. Romatoski and L. W. Hu, “Fluoride-Salt-Cooled High-Temperature Test Reactor Thermal-Hydraulic Licensing and Uncertainty Propagation Analysis,” *Nucl. Technol.*, vol. 205, no. 11, pp. 1495–1512, 2019, doi: 10.1080/00295450.2019.1610686.
- [17] Oak Ridge National Laboratory, “Scale : A Comprehensive Modeling and Simulation Suite for Nuclear Safety Analysis and Design,” *Ornl/Tm-2005/39*, no. June, 2011.
- [18] S. Goluoglu, L. M. Petrie, M. E. Dunn, D. F. Hollenbach, and B. T. Rearden, “Monte Carlo criticality methods and analysis capabilities in SCALE,” *Nucl. Technol.*, vol. 174, no. 2, pp. 214–235, 2011, doi: 10.13182/NT10-124.
- [19] J. K. Fink, “Thermophysical properties of uranium dioxide,” *J. Nucl. Mater.*, vol. 279, no. 1, pp. 1–18, 2000, doi: 10.1016/S0022-3115(99)00273-1.
- [20] S. R. Bharadwaj, *Thoria-based Nuclear Fuels*. .
- [21] D. T. Ingersoll, *Status of Physics and Safety Analyses for the Liquid-Salt-Cooled Very High-Temperature Reactor (LS-VHTR)*, no. December. 2005.
- [22] N. M. George, J. J. Powers, G. I. Maldonado, K. A. Terrani, and A. Worrall, “Neutronic analysis of candidate accident-tolerant cladding concepts in light water reactors,” *Trans. Am. Nucl. Soc.*, vol. 111, pp. 1363–1366, 2014.
- [23] M. S. Sohal, M. a Ebner, P. Sabharwall, and P. Sharpe, “Engineering database of liquid salt thermophysical and thermochemical properties,” *Idaho Natl. Lab. Idaho Falls CrossRef*, no. March, pp. 1–70, 2010, doi: ext-



10-18297.

- [24] Muhammad Farid Khandaq. *Desain Konseptual Neutronik Indonesian Space Reactor (ISR) sebagai Pembangkit Listrik Pesawat Ruang Angkasa pada Misi Deep Space Exploration Menggunakan Metode Monte Carlo*. Skripsi, Universitas Gadjah Mada, Yogyakarta. 2018.
- [25] N. Jakiyah, Suharyana, Riyatun, and A. Khakim, "The dependency of shutdown margin values of the HTR-10 on packing fraction absorber," *AIP Conf. Proc.*, vol. 2014, no. September, 2018, doi: 10.1063/1.5054449.

