

## DAFTAR PUSTAKA

- [1] H. Ritchie, P. Rosado, and M. Roser, “Energy Production and Consumption,” *Our World Data*, 2020.
- [2] H. Ritchie, P. Rosado, and M. Roser, “Greenhouse gas emissions,” *Our World Data*, 2020.
- [3] N. Hidayanto, Sansuadi, N. Mazidah, and R. C. Nugroho, “STATISTIK KETENAGALISTRIKAN 2022.” Sekretariat Direktorat Jenderal Ketenagalistrikan, Jan. 08, 2023.
- [4] “The BIG Potential for Nuclear Microreactors | Department of Energy.” Accessed: Sep. 09, 2024. [Online]. Available: <https://www.energy.gov/ne/articles/big-potential-nuclear-microreactors>
- [5] M. W. Rosenthal, P. R. Kasten, and R. B. Briggs, “Molten-Salt Reactors—History, Status, and Potential,” *Nucl. Appl. Technol.*, vol. 8, no. 2, pp. 107–117, Feb. 1970, doi: 10.13182/NT70-A28619.
- [6] D. Y. Cui *et al.*, “Preconceptual nuclear design of a 50 kWth heat pipe cooled micro molten salt reactor (micro-MSR),” *Prog. Nucl. Energy*, vol. 134, p. 103670, Apr. 2021, doi: 10.1016/j.pnucene.2021.103670.
- [7] R. Testoni, A. Bersano, and S. Segantin, “Review of nuclear microreactors: Status, potentialities and challenges,” *Prog. Nucl. Energy*, vol. 138, p. 103822, Aug. 2021, doi: 10.1016/j.pnucene.2021.103822.
- [8] C. Bradford, E. Mercado, B. Clayton, L. Gunnell, A. Larsen, and M. Memmott, “Neutronic analysis of the BYU molten salt micro reactor,” *Nucl. Sci. Technol. Open Res.*, vol. 1, p. 14, Oct. 2023, doi: 10.12688/nuclscitechnolopenres.17435.1.
- [9] F. R. L. Manik, Suharyana, F. Anwar, Riyatun, and A. Khakim, “Safety analysis TMSR-500 in terms of the temperature reactivity coefficient of the fuel and the moderator using the MCNP6 software,” *J. Phys. Conf. Ser.*, vol. 1912, no. 1, p. 012010, May 2021, doi: 10.1088/1742-6596/1912/1/012010.
- [10] A. Agung, “Diktat ARN.” Departemen Teknik Nuklir dan Teknik Fisika.
- [11] R. Masterson, *Introduction to nuclear reactor physics*. Boca Raton: CRC Press, Taylor & Francis Group, 2018.
- [12] J. J. Duderstadt, L. J. Hamilton, S. Moorthy, and C. C. Scott, “Nuclear Reactor Analysis by James J. Duderstadt and Louis J. Hamilton,” *IEEE Trans. Nucl. Sci.*, vol. 24, no. 4, pp. 1983–1983, Jun. 1977, doi: 10.1109/TNS.1977.4329141.



- [13] A. W. Harto, *Fisika Reaktor Nuklir*. JURUSAN TEKNIK FISIKA FAKULTAS TEKNIK UGM, 2015.
- [14] A. N. Mufidah and A. Khakim, “Void Reactivity Coefficient Analysis for Safety of TMSR- 500 Using MCNP6,” 2020.
- [15] “OpenMC Documentation”.
- [16] Md. I. Hossain, Y. Akter, M. Z. Fardin, and A. S. Mollah, “Neutronics and burnup analysis of VVER-1000 LEU and MOX assembly computational benchmark using OpenMC Code,” *Nucl. Energy Technol.*, vol. 8, no. 1, pp. 1–11, Mar. 2022, doi: 10.3897/nucet.8.78447.
- [17] Andang WH, “Konseptual Desain Gama Multipurpose Maritime Reactor”
- [18] H. Hardiyanti, S. Pribadi, and J. Setiawan, “KARAKTERISASI DENSITAS GRAFIT SEBAGAI KANDIDAT BAHAN REAKTOR TEMPERATUR TINGGI,” no. 16, 2016.
- [19] R. J. McConn, C. J. Gesh, R. T. Pagh, R. A. Rucker, and R. Williams Iii, “Compendium of Material Composition Data for Radiation Transport Modeling,” PNNL-15870 Rev. 1, 1023125, Mar. 2011. doi: 10.2172/1023125.
- [20] J.-M. Kim, H.-G. Lee, Y.-B. Chun, and C. Kim, “Molten salt corrosion of Laser Cladding Stainless Steel,” 2023.
- [21] “Processing and Properties of 316 Stainless Steel Nuclear Grade Experimental Component Made by Additive Manufacturing,” in *2018 9th International Conference on Civil Engineering, Materials and Machinery (ICCEMM 2018)*, Francis Academic Press, 2018. doi: 10.25236/iccemm.2018.018.
- [22] “HASTELLOY® N alloy.” Hayness International, 2020.
- [23] R. Span, E. W. Lemmon, R. T. Jacobsen, W. Wagner, and A. Yokozeki, “A Reference Equation of State for the Thermodynamic Properties of Nitrogen for Temperatures from 63.151 to 1000 K and Pressures to 2200 MPa,” *J. Phys. Chem. Ref. Data*, vol. 29, no. 6, pp. 1361–1433, Nov. 2000, doi: 10.1063/1.1349047.

