

DAFTAR PUSTAKA

- [1] The World Bank. *Population growth*. Diakses dari <https://data.worldbank.org/indicator/SP.POP.GROW>, 12 Februari 2021.
- [2] The World Bank. *Population, total*. Diakses dari <https://data.worldbank.org/indicator/SP.POP.TOTL>, 12 Februari 2021.
- [3] H. Ritchie. *Energy Mix*. Diakses dari <https://ourworldindata.org/energy-mix>, 12 Februari 2021.
- [4] H. Richie. *How long before we run out of fossil fuels?*. Diakses dari <https://ourworldindata.org/how-long-before-we-run-out-of-fossil-fuels>, 22 Juli 2021.
- [5] H. Ritchie dan M. Roser. *Energy Production and Consumption*. Diakses dari <https://ourworldindata.org/energy-production-consumption>, 22 Juli 2021.
- [6] United Nations. *The Sustainable Development Goals Report 2020*. New York, United Nations, 2020.
- [7] U.S. Environmental Protection Agency. *Overview of Greenhouse Gases*. Diakses dari <https://www.epa.gov/ghgemissions/overview-greenhouse-gases>, 22 Juli 2021.
- [8] U.S. Environmental Protection Agency. *Particulate Matter (PM) Basics*. Diakses dari <https://www.epa.gov/pm-pollution/particulate-matter-pm-basics>, 22 Juli 2021.
- [9] T. Tanabe. *Tritium: Fuel of fusion reactors*. Tokyo, Springer, 2016.
- [10] S. Orlandi. "ITER Project: International Cooperation and Energy Investment" *Springer Proceedings in Physics*, vol. 243, pp. 169–191, 2020.
- [11] M. A. Abdou, "TRITIUM BREEDING IN FUSION REACTORS" *International Conference of Nuclear Data for Science and Technology* Illinois, 1982.
- [12] ITER. *WHAT WILL ITER DO ?*. Diakses dari <https://www.iter.org/sci/Goals>, 22 Juli 2021.
- [13] S. WIJAYA. "Optimasi Desain Geometri Blanket Reaktor Fusi Untuk Pembiakan Tritium Menggunakan Metode Monte Carlo" Universitas Gadjah Mada, 2015.
- [14] M. Ali. "Optimasi Fraksi Berilium Pada Desain Blanket Reaktor Fusi Untuk Mencapai Pembiakan Tritium Menggunakan Metode Monte Carlo" Universitas Gadjah Mada, 2017.



- [15] K. Maki. "Energy multiplication in high tritium breeding ratio blanket with front breeder zone for fusion reactors," *Journal Nuclear Science and Technology*, vol. 25, no. 1, pp. 72–80, 1988.
- [16] N. Zandi, H. Sadeghi, M. Habibi, I. Jalali, dan M. Zare. "Blanket Simulation and Tritium Breeding Ratio Calculation for ITER Reactor" *Journal Fusion Energy*, vol. 34, no. 6, pp. 1365–1368, 2015.
- [17] B. Soltani dan M. Habibi. "Tritium Breeding Ratio Calculation for ITER Tokamak Using Developed Helium Cooled Pebble Bed Blanket (HCPB)" *Journal Fusion Energy*, vol. 34, no. 3, pp. 604–607, 2015.
- [18] I. R. Maymunah, Z. Suud, dan P. I. Yazid. "Optimization of tritium breeding and shielding analysis to plasma in ITER fusion reactor," *AIP Conf. Proc.*, vol. 1677, 2015.
- [19] F. A. Hernández dan P. Pereslavitsev. "First principles review of options for tritium breeder and neutron multiplier materials for breeding blankets in fusion reactors" *Fusion Engineering and Design*, vol. 137, pp. 243–256, 2018.
- [20] N. Tsoulfanidis dan S. Landsberger. *Measurement detection of radiation*. 4th ed. Boca Raton, CRC Press, 2015.
- [21] D. Weis. "Lead Isotopes," in *Encyclopedia of Geochemistry: A Comprehensive Reference Source on the Chemistry of the Earth*, Springer International Publishing, pp. 1–5, 2017.
- [22] Japan Atomic Energy Agency. *JENDL-4.0*. Diakses dari <https://www.ndc.jaea.go.jp/jendl/j40/j40.html>, 30 Agustus 2021.
- [23] E. Morse. *Nuclear Fusion*. Cham: Springer Nature Switzerland, 2018.
- [24] M. Kikuchi, K. Lackner, dan M. Quang. *Fusion Physics*. Vienna, IAEA, 2012.
- [25] D. J. Campbell. "The first fusion reactor: ITER" *Europhys. News*, vol. 47, no. 5–6, pp. 28–31, 2016.
- [26] (IAEA) The International Atomic Energy Agency. *ITER EDA DOCUMENTATION SERIES No. 24*, First Edit. Vienna: The International Atomic Energy Agency, 2002.
- [27] J. Heirbaut. *How to Line a Thermonuclear Reactor*. Diakses dari <https://www.sciencemag.org/news/2012/08/how-line-thermonuclear-reactor>, 22 Juli 2021.
- [28] G. F. Knoll. *Radiation Detection and Measurement Third Edition*. John Wiley & Sons Inc, 2000.
- [29] E. M. A. Hussein. *Radiation Mechanics: Principles and Practice*, Amsterdam, Elsevier Ltd, 2007.
- [30] P. K. Romano, N. E. Horelik, B. R. Herman, A. G. Nelson, B. Forget, dan



- K. Smith. "OpenMC: A state-of-the-art Monte Carlo code for research and development" *Annals of Nuclear Energy*, vol. 82, pp. 90–97, 2015.
- [31] Massachusetts Institute of Technology and OpenMC contributors. *The OpenMC Monte Carlo Code*. Diakses dari <https://docs.openmc.org/en/stable/index.html>, 03 September 2021.
- [32] J. Shimwell *et al.* "The Paramak: Automated parametric geometry construction for fusion reactor designs" *F1000Research*, vol. 10, 2021.
- [33] UKAEA and Paramak Contributors. *Paramak - Paramak 1.0 documentation*. Diakses dari <https://paramak.readthedocs.io/en/main/index.html>, 05 September 2021.
- [34] Paramak-neutronics contributors. *openmc-dagmc-wrapper - Paramak-neutronics 1.0 documentation*. Diakses dari <https://paramak-neutronics.readthedocs.io/en/latest/>, 05 September 2021.
- [35] neutronics-material-maker contributors. *Neutronics Material Maker - NeutronicsMaterialMaker 1.0 documentation*. Diakses dari <https://neutronics-material-maker.readthedocs.io/en/latest/>, 05 September 2021.

