

DAFTAR PUSTAKA

- [1]. D. L Garber and R. R. Kinsey. *Neutron Cross Sections, Vol.II, Curves*. Brookhaven National Laboratory report BNL 325, 1976.
- [2]. Evaluated Nuclear Data File ENDF/B-V (available from and maintained by the National Nuclear Data Center of Brookhaven National Laboratory).
- [3]. J. R. Lamarsh. *Introduction to Nuclear Reactor Theory*. Addison-Wesley, Reading, Massachusetts, 1966.
- [4]. S. Glasstone and A. Sesonske, *Nuclear Reactor Engineering*. D. Van Nostrand Co., Inc., Princeton, New Jersey, 1967.
- [5] G. C. Pomraning, *A Variational Description of Dissipative Processes*. Nucl. Energy Part A/B 20, 617, 1966.
- [6] W. M. Stacey, Jr., *Variational Functionals for Space-Time Neutronics*. Nucl. Sci. Eng. 30:448, 1967.
- [7]. J. B. Yasinsky, *The Solution of the Space-Time Neutron Group Diffusion Equations by a Time-Discontinuous Synthesis Method*. Nucl. Sci. Eng. 29:381, 1967.
- [8] F. D. Federighi, *Vacuum Boundary Conditions for the Spherical Harmonics Method*. Nukleonik 6, 2V, 1964.
- [9]. E. L. Wachspress and M. Becker, *Variational Multichannel Synthesis with Discontinuous Trial Functions*. KAPL 3095. Knolls At. Power Lab., Schenectady, New York, 1965.
- [10] James J. Duderstadt, Louis J. Hamilton. *Nuclear Reactor Analysis*. John Wiley & Sons, Inc., Michigan, 1976.



- [11] Batan. *Model Matematika Reaktor Nuklir DAN PLTN*. Diakses di http://repo-nkm.batan.go.id/9309/5/BAB_III.pdf, 28 Oktober 2021.
- [12] Nuclear Power.com *Six-Factor Formula – Effective Multiplication Factor*. Diakses di <https://www.nuclear-power.com/nuclear-power/reactor-physics/nuclear-fission-chain-reaction/six-factor-formula-effective-multiplication-factor/>, 28 Oktober 2021.
- [14] Radiation-Dosimetry.org. *What is Neutron Life Cycle – Definition*. Diakses di <https://www.radiation-dosimetry.org/what-is-neutron-life-cycle-definition/>, 28 Oktober 2021.
- [15] Lake, J A; Doncals, R A; Rathbun, R W; Robinson, H C. *Breeding ratio and doubling time characteristics of the Clinch River Breeder Reactor*. Conference: Meeting on advanced reactors; physics, design and economics, Atlanta, Georgia, USA, 8 Sep 1974.
- [16] Nuclear Power.com. *Conversion Factor – Breeding Ratio*. Diakses dari <https://www.nuclear-power.com/nuclear-power-plant/nuclear-fuel/conversion-factor-breeding-ratio/>, 28 Oktober 2021.
- [17] Nuclear Power.com. *Fuel Burnup*. Diakses dari <https://www.nuclear-power.com/nuclear-power/reactor-physics/reactor-operation/fuel-burnup/>, 28 Oktober 2021.
- [18] R. Lamarsh. *Introduction to Nuclear Reactor Theory*. 2nd ed., Addison-Wesley, Reading, MA, 1983.
- [19] W. M. Stacey, *Nuclear Reactor Physics*. John Wiley & Sons, 2001.
- [20] Nuclear Power.com. *Nuclear Transmutation*. Diakses dari <https://www.nuclear-power.com/nuclear-power/reactor-physics/reactor-operation/fuel-burnup/nuclear-transmutation/>, 28 Oktober 2021.



[21] “*JANIS*” (Java-based Nuclear Data Information Software). ENDF/B-VII.1. 10 Oktober 2021.

[22] “*JANIS*” (Java-based Nuclear Data Information Software). The JEFF-3.1.1 Nuclear Data Library. 10 Oktober 2021.

[23] Squires, G.L. *Introduction of the Theory of Thermal Neutron Scattering*. 29 Maret 2012.

[24] Milsted, J.; Friedman, A. M.; Stevens, C. M. "The alpha half-life of berkelium-247; a new long-lived isomer of berkelium 248". *Nuclear Physics*. 71 (2): 299, 1965.

[25] Keisuke Okumura, Teruhiko Kugo, Kunio Kaneko dan Keichiro Tsuchihashi. *SRAC2006: A Comprehensive Neutronics Calculation Code System*. Dokumen teknis, Ibaraki-ken: JAEA, 2007.

[26] Keisuke Okumura. *COREBN: A Core Burnup Calculation Module for SRAC2006*. Dokumen teknis, Ibaraki-ken: JAEA, 2007.

[27] Darnowski, Ignaczak. *Simulations of the AP1000 based reactor Arch of mechan Eng*, 2018.

[28] P. M. Morse and H. Feshbach. *Methods of Theoretical Physics*. Vol. 1, Chapter 4. McGraw Hill, New York, 1953.

[29] W. M. Stacey. *Nuclear Reactor Physics*. Second-Edition, John Wiley & Sons, 2007.

[30] Westinghouse Electric Company. *AP1000 Fuel Design & Core Operations*. LAS/ANS Conference, 2010.



[31] J.J.Duderstadt, L.J. Hamilton. *Nuclear Reactor Analysis*. Toronto, John Wiley & SONS, inc. 1976.

[32] Power-eng.com. *Westinghouse AP1000 core barrel completed for Summer nuclear power plant*. Diakses di <https://www.power-eng.com/nuclear/westinghouse-ap1000-core-barrel-completed-for-summer-nuclear-power-plant/>, 28 Oktober 2021.

[33] JATI SUSILO, SURIAN PINEM. *Analisis Akurasi Perhitungan Reaktivitas Menggunakan Program SRAC-CITATION*. Jurnal Teknologi Nuklir TRI DASA MEGA Volume , Nomor 2, Juni 2006.

[34] R.R Syarifah, I.R Memunah, Z. Su'ud. *Perhitungan Neutronik Teras Homogen dari High Temperature Gas Cooled Reactor (HTGR) dengan Bahan Bakar Uranium Nitrida*. Prosiding Simposium Nasional Inovasi dan Pembelajaran Sains, Bandung, Indonesia, 2015.

[35] R.A.Matzie. *The AP1000 Reactor Nuclear Renaissance Option*. Tulane Engineering Forum, 2003.

