

DAFTAR PUSTAKA

- [1] Bahman Zohuri dan Patrick McDaniel. *Thermodynamics In Nuclear Power Plant Systems*. Springer International Publishing, Swiss, 2015.
- [2] *BP Statistical Review of World Energy June 2015*. Dokumen Teknis, BP Statistical Review of World Energy, London, 2015.
- [3] World Nuclear Association. *Supply of Uranium*. Diakses dari <http://www.world-nuclear.org/info/Nuclear-fuel-cycle/Uranium-Resources/Supply-of-Uranium/>, 13 Januari 2016.
- [4] Jan Oliver Lofken. *How Much Longer Will World Reserves Of The Nuclear Fuel Uranium Last*. Diakses dari http://www.nuclearpowerdaily.com/reports/How_Much_Longer_Will_World_Reserves_Of_The_Nuclear_Fuel_Uranium_Last_999.html, 1 April 2014.
- [5] Jérôme Serp, Michel Allibert, Ondrej Benes, Sylvie Delpech, Olga Feynberg, Véronique Ghetta, Daniel Heuer, David Holcomb, Victor Ignatiev, Jan Leen Kloosterman, Lelio Luzzi, Elsa Merle-Lucotte, Jan Uhlir, Ritsuo Yoshioka, dan Dai Zhimin. "The molten salt reactor (MSR) in generation IV: Overview and perspectives". *Progress in Nuclear Energy*, xxx:1-12, 2014.
- [6] Robert Hargraves. *Thorium: Energy Cheaper than Coal*. CreateSpace Independent Publishing Platform, Hanover, 2012.
- [7] World Nuclear Association. *Thorium*. Diakses dari <http://www.world-nuclear.org/info/current-and-future-generation/thorium/>, 10 November 2015.
- [8] IAEA-NEA. *Uranium 2014: Resources, Production and Demand*. Dokumen teknis, International Atomic Energy Agency dan Nuclear Energy Agency, Vienna-Paris, 2014.
- [9] Bob S. Effendi. *Thorium, Sebuah Revolusi Energi*. Diakses dari http://www.kompasiana.com/bob911/thorium-sebuah-revolusi-energi_559fe2a56023bdfa088b4567, 10 November 2015.
- [10] David LeBlanc. "Molten salt reactors: A new beginning for an old idea". *Nuclear Engineering and Design*. 240:1644-1656, 2010.
- [11] L. Mathieu, D. Heuer, A. Nuttin, F. Perdu, A. Billebaud, R. Brissot, C. Le Brun, E. Liatard, J. M. Loiseaux, O. Méplan dan E. Merle-Lucotte. "Thorium molten salt reactor: from high breeding to simplified reprocessing". *GLOBAL 2003 - Nuclear Science and Technology: Meeting the Global Industrial and R&D Challenges of the 21st Century*, hal. 1863-1872, New Orleans, November 2003.
- [12] Herbert G. MacPherson. *Molten Salt Reactors*. Dokumen teknis, Oak Ridge National Laboratory, Tennessee. 1958.
- [13] J. R. Engel, W. R. Grimes, W. A. Rhoades dan J. F. Dearing. *Molten-Salt Reactors for Efficient Nuclear Fuel Utilization Without Plutonium*

- Separation*. Dokumen Teknis, ORNL/TM-6413, Oak Ridge National Laboratory, Tennessee, 1978.
- [14] Neil Endicott. *Thorium-Fuelled Molten Salt Reactors*. Dokumen Teknis, The Weinberg Foundation, London, 2013.
 - [15] Andang Widi Harto. “Desain Reaktor Nuklir Maju Bersuhu Tinggi Tipe PCMSR Dengan Sifat Selamat Melekat (*Inherent Safe*)”. *Prosiding Seminar Nasional ke-13 Teknologi dan Keselamatan PLTN Serta Fasilitas Nuklir*, hal. 97-106, Jakarta, 6 November 2007.
 - [16] Uri Gat, J. R. Engel dan H. L. Dodds. *The Molten Salt Reactor Option For Beneficial Use of Fissile Material From Dismantled Weapons*. Dokumen Teknis, DE-AC05-84OR21400, Oak Ridge National Laboratory, 1991.
 - [17] Jiri Krepl, Boris Hombourger, Carlo Fiorina, Konstantin Mikityuk, Ulrich Rohde, Sören Kliem dan Andreas Pautz. “Fuel cycle advantages and dynamics features of liquid fueled MSR”. *Annals of Nuclear Energy*. 64:380-397, 2014.
 - [18] Andang Widi Harto. *Passive Compact Molten Salt Reactor – General Overview*. Program Studi Teknik Nuklir, Departemen Teknik Nuklir dan Teknik Fisika, Universitas Gadjah Mada, Yogyakarta, 2014.
 - [19] Nick Touran. *Molten Salt Reactors*. Diakses dari <http://www.whatisnuclear.com/reactors/msr.html>, 10 November 2015.
 - [20] Charles W. Forsberg. “Molten Salt Reactors (MSRs)”. *The Americas Nuclear Energy Symposium (ANES 2002)*, American Nuclear Society Miami, Florida, 16-18 Oktober 2002.
 - [21] Charles W. Forsberg, Per Peterson dan HaiHua Zhao. “An Advanced Molten Salt Reactor Using High-Temperature Reactor Technology.” *2004 International Congress on Advances in Nuclear Power Plants. Embedded Topical: 2004 American Nuclear Society Annual Meeting American Nuclear Society*, Pittsburgh, Pennsylvania. 13-17 Juni 2004.
 - [22] David LeBlanc. *The Modified Geometry 2 Fluid Molten Salt Breeder*. Diakses dari <http://energyfromthorium.com/2007/08/23/the-modified-geometry-2-fluid-molten-salt-breeder/>, 11 November 2015.
 - [23] M. W. Rosenthal, P. R. Kasten, dan R. B. Briggs. *Molten-Salt Reactors—History, Status, and Potential*. Dokumen teknis, Oak Ridge National Laboratory, Tennessee, 1969.
 - [24] Andang Widi Harto. “Fuel Burp Up Calculation of Passive Compact Molten Salt Reactor (PCMSR) With on Line Fuel Reprocessing for Very Long Time Operation”. *Proceedings of The 3rd Asian Physics Symposium (APS 2009)*, Bandung, 22-23 Juli 2009.
 - [25] James J. Duderstadt dan Louis J. Hamilton. *Nuclear Reactor Analysis*. John Wiley And Sons, Inc., New York, 1976.
 - [26] John R. Lamarsh. *Introduction to Nuclear Reactor Theory*. Addison-Wesley Publishing Company, Massachusetts, 1966.
 - [27] D. R. Vondy. *On Nuclear Fuel, Mass Balances, Conversion Ratio, Doubling Time, and Uncertainty*. Dokumen teknis, ORNL/TM-5050, Oak Ridge National Laboratory, Tennessee, 1976.

- [28] Hudan Wira Alam, *Desain Innovative Molten Salt Reactor (IMSR) Dengan Menggunakan MCNP5*. Skripsi, Jurusan Teknik Fisika, Fakultas Teknik, Universitas Gadjah Mada, Yogyakarta, 2011.
- [29] X-5 Monte Carlo Team. *MCNP — A General Monte Carlo N-Particle Transport Code, Version 5 - Volume I: Overview and Theory*. Dokumen teknis, LA-UpR-03-1987, Los Alamos National Laboratory, California, 2003.
- [30] John S. Hendricks, Gregg W. McKinney, Michael L. Fensin, Michael R. James, Russell C. Johns, Joe W. Durkee, Joshua P. Finch, Denise B. Pelowitz, Laurie S. Waters, M. William Johnson, dan Franz X. Gallmeier. *MCNPX 2.6.0 Extensions*. Dokumen teknis, LA-UR-08-2216, Los Alamos National Laboratory, California, 2008.
- [31] Denise B. Pelowitz. *MCNPXTM User's Manual*. Dokumen teknis, LA-CP-07-1473, Los Alamos National Laboratory, California, 2008.
- [32] *DOE Fundamentals Handbook: Nuclear Physics and Reactor Theory Volume 2*. Dokumen teknis, DOE-HBDBK-1019/2-93, U.S. Department of Energy, Washington D.C., 1993.
- [33] Anonim. *Density of Molten Elements and Representative Salts*. Diakses dari <http://moltsalt.org/references/static/downloads/pdf/element-salt-densities.pdf>, 1 Desember 2015.
- [34] Andang Widi Harto. *Komunikasi Pribadi*. 23 Desember 2015.
- [35] Noboru Dobuchi, Satoshi Takeda, dan Takanori Kitada. "Study on the relation between Doppler reactivity coefficient and resonance integrals of Thorium and Uranium in PWR fuels". *Annals of Nuclear Energy*, 90:191-194, 2016.
- [36] Kirk Sorensen. *Comparing The Temperature Coefficients of Two-Fluid And One-Fluid LFRs*. Diakses dari <http://energyfromthorium.com/2006/08/20/comparing-the-temperaturecoefficients-of-two-fluid-and-one-fluid-lfrs/>, 4 Desember 2015.