

DAFTAR PUSTAKA

- [1] BATAN, “Inilah Pemanfaatan Nuklir Di Bidang Pertanian dan Industri,” Oktober 2020. [Online]. Available: www.batan.go.id/index.php/id/publikasi-2/pressreleases/6840-inilah-pemanfaatan-nuklir-di-bidang-pertanian-dan-industri. [Diakses 3 November 2021].
- [2] Merdeka.com, “Manfaat Nuklir Bagi Kehidupan Manusia yang Jarang Diketahui,” Mei 2020. [Online]. Available: www.merdeka.com/trending/manfaat-nuklir-bagi-kehidupan-manusia-yang-jarang-diketahui-klm.html. [Diakses 3 November 2021].
- [3] BATAN, “AAN Analisis aktivasi Neutron,” [Online]. Available: <https://puspiptek.brin.go.id/pdkp/data/detail/fasilitas/pstbm/572/AAN-Analisis-AKTivasi-Neutron>. [Diakses 21 Mei 2021].
- [4] F. Roswita dan kawan-kawan, “Uji Kinerja Tahap Awal Sistem Prompt Gamma Neutron Activation Analysis (PGNAA) Menggunakan Sumber Neutron PuBe Untuk Uji Kualitas Semen,” *Jurnal Iptek Nuklir Ganendra*, vol. 22, no. 2, pp. 73-84, 2019.
- [5] A. Didi dan kawan-kawan, *Design of Irradiation Channels in Radium-Beryllium ^{226}Ra -Be Neutron Irradiation Facility Usmba-Fsdm-Fez Morocco*, Fez: Laboratory of Physics Nuclear, University of Sidi Mohamed Ben Abdellah Faculty of Science Dhar Mahraz, Morocco, 2015.
- [6] A. Didi dan kawan-kawan, “Modelisation and Distribution of Neutron Flux in Radium-Beryllium Source (^{226}Ra -Be),” *Moscow University Physics Bulletin*, vol. 72, no. 5, pp. 465-469, 2017.
- [7] M. Asamoah dan kawan-kawan, “Neutron flux distribution in the irradiation channels of Am–Be neutron source irradiation facility,” *Annals of Nuclear Energy*, vol. 38, no. 6, pp. 1219-1224, 2011.
- [8] S. P. Waskito, *Studi Variasi Jenis Material Perisai Radiasi Thorgen* [Skripsi], Yogyakarta: Departemen Teknik Nuklir dan Teknik Fisika, Fakultas Teknik, Universitas Gadjah Mada, 2018.
- [9] Kristiyanti dan E. Karyanta, “Analisis Dosis Radiasi Pada Kolam Air Irradiator Gamma 2 MCi Menggunakan MCNP,” *PRIMA*, vol. 11, no. ISSN: 1411-0296, p. 2, 2014.
- [10] Anies, *Pengaruh Radiasi Elektromagnetik Ponsel dan Berbagai Peralatan*



Elektronik, Jakarta: PT. Elex Media Computindo, 2009.

- [11] T. Ukhro, Estimasi Dosis Eksternal Dari Radioaktivitas Tanah Permukaan [Skripsi], Malang: Jurusan Fisika, Fakultas MIPA, Universitas Brawijaya, 2015.
- [12] Sulistyani, “Interaksi Radiasi dengan Materi,” [Online]. Available: <http://staffnew.uny.ac.id/upload/198001032009122001/pendidikan/interaksi-radiasi-dengan-materi.pdf>. [Diakses 4 November 2021].
- [13] N. Prabaningrum, “Kuliah-14-Interaksi Radiasi dengan Materi,” UGM, Yogyakarta, 2015.
- [14] N. Tsoulfanidis, Measurement and Detection of Radiation second edition, Washington D. C.: Taylor & Francis, 1995.
- [15] A. W. Harto, Fisika Reaktor Nuklir, Yogyakarta: Universitas Gadjah Mada.
- [16] W. Susetyo, Spektroskopi Gamma dan Penerapannya Dalam Analisis Pengaktifan Neutron, Yogyakarta: Gadjah Mada University Press, 1988.
- [17] V. Chiste dan C. Dulieu, “Evaluation of decay data of Ra-226 and its daughter,” Laboratoire National Henri Bequerel, 2007. [Online]. Available: <http://citeseerx.ist.psu.edu/viewdoc/download?doi=10.1.1.835.7078&rep=rep1&type=pdf>. [Diakses 18 November 2021].
- [18] IAEA, “Live Chart of Nuclides,” [Online]. Available: <https://www-nds.iaea.org/relnsd/vcharthtml/VChartHTML.html#lastnuc=226ra>. [Diakses 11 November 2021].
- [19] E. Odeblad dan G. Nati, “Detection of Beryllium ny Means of the Be9 (α,γ)C12 Reaction,” Acra Radiologica, 14 Desember 2010. [Online]. Available: <https://www.tandfonline.com/doi/pdf/10.3109/00016925509172768>. [Diakses 18 November 2021].
- [20] USNRC, “Neutron Sources,” 13 October 2010. [Online]. Available: <https://www.nrc.gov/docs/ML1122/ML11229A704.pdf>. [Diakses 12 November 2021].
- [21] H. R. Vega-Carrillo dan S. A. Martinez-Ovalle, “Neutron Spectra and Dosimetric Features of Isotopic Neutron Surces: A Review,” IAEA, 26-30 September 2015. [Online]. Available: https://inis.iaea.org/collection/NCLCollectionStore/_Public/



47/032/47032302.pdf. [Diakses 2018 November 2021].

- [22] N. Prabaningrum, “Kuliah 8 - Persamaan Peluruhan,” Universitas Gadjah Mada, Yogyakarta, 2015.
- [23] BATAN, “Jenis Detektor Radiasi,” [Online]. Available: http://www.batan.go.id/pusdiklat/elearning/Pengukuran_Radiasi/Dasar_04%20Materi.htm. . [Diakses 30 Agustus 2016].
- [24] R. R. Rahmadani, Analisis Kritikalitas Model Teras Reaktor Nuklir 200 MWth Berbahan Bakar Lelehan Garam LiF-BeF₂-ZrF₄-UF₄ Menggunakan MCNP [Skripsi], Yogyakarta: Departemen Teknik Nuklir dan Teknik Fisika, Fakultas Teknik, Universitas Gadjah Mada, 2021.
- [25] Rasito, Pengenalan MCNP Untuk Pengajian Dosis, Yogyakarta: Pusat Pendidikan dan Pelatihan, BATAN, 2013.
- [26] BAPETEN, *PP. No. 4 Tahun 2013 Tentang Proteksi Dan Keselamatan Radiasi Dalam Pemanfaatan Tenaga Nuklir*, Jakarta, 2013.
- [27] BATAN, “Glosarium,” [Online]. Available: <http://www.batan.go.id/index.php/id/glosarium2>. [Diakses 15 Desember 2021].
- [28] NN, “BAB III Besaran Dosis Radiasi,” Universitas Gadjah Mada, [Online]. Available: <https://docplayer.info/35097273-Bab-iii-besaran-dosis-radiasi.html>. [Diakses 20 November 2021].
- [29] D. B. Pelowitz dan LANL, MCNPXtm User's Manual, Los Alamos National Security, 2008.

