

DAFTAR PUSTAKA

- [1] Tarmansyah, U. S., 2014, “Potensi dan Nilai Strategis Wilayah Perbatasan Negara: Permasalahan dan Solusinya”, Puslitbang Indhan Balitbang Dephan.
- [2] Prelas, M. A., Weaver, C. L., Watermann, M. L., Lukosi, E. D., Schott, R. J., Wisniewski, D. A., 2014, A Review of Nuclear Battery, *Progress in Nuclear Energy*, 75, pp. 117-148.
- [3] Whale, S. A., Apblett, C. A., Aselage, T. L., 2008, Improving Power Density and Efficiency of Miniature Radioisotopic Thermoelectric Generators, *Journal of Power Source*, 180, pp. 657-663.
- [4] Oh, K., Prelas, M. A., Lukosi, E. D., Rothenberger, J. B., Schott, R. J., Weaver, C. L., Wisniewski, D. A., 2012, Theoretical Maximum Efficiency for a Linearly Graded Alphavoltaic Nuclear Battery, *Nuclear Technology*, 179 (2), 243.
- [5] Sychoy, M., Kavetsky, A., Yakubova, G., Walter, G., Yousaf, S., Lin, Q., Chan, D., Socarras, H., Bower, K., 2008, Alpha Indirect Conversion Radioisotope Power Source, *Applied Radiation and Isotopes*, 66, pp. 173-177.
- [6] Lee, H., Yim, M. –S., 2017, Examination of Scintillator-Photovoltaic Cell-Based Spent Fuel Radiation Energy Conversion for Electricity Generation, *Progress in Nuclear Energy*, 94, pp. 46-54.
- [7] Nuclear Pacemaker Still Energized After 34 Years. Diakses dari: <https://uk.reuters.com/article/health-heart-pacemaker-dc/nuclear-pacemaker-still-energized-after-34-years/idUKN1960427320071219>, 5 Desember 2018
- [8] Hsu, J., 2009, Tiny Nuclear Batteries to Power Micro Devices, *livescience*.
- [9] Hong, L., Tang, X. –B., Xu, Z. –H., Liu, Y. –P., Chen, D., 2014, Radioluminescent Nuclear Batteries with Different Phosphor Layers, *Nuclear Instruments and Methods in Physics Research Section B: Beam Interactions with Materials and Atoms*, 338, pp. 112-118.

- [10] Parsonnet, V., 1990, The Nuclear Pacemaker: Is Renewed Interest Warranted?, *The American Journal of Cardiology*, 66 (10), pp. 837-842.
- [11] Wang, S., He, C., 2014, Design and Analysis of Nuclear Battery Driven by The External Neutron Source, *Annals of Nuclear Energy*, 72, pp. 455-460.
- [12] Huffman, F. N., Migliore, J. J., Robinson, W. J., Norman, K. C., 1974, Radioisotope Powered Cardiac Pacemakers, *Cardiovasc Dis.*, 1 (1), pp. 52-60.
- [13] Prelas, M., Boraas, M., Aguilar, F. D. L. T., Seelig, J.-D., Tchouaso, M. T., Wisniewski, D., *Nuclear Batteries and Radioisotopes*, Springer International Publishing Switzerland, 2016.
- [14] Tsoulfanidis, N., *Measurement and Detection of Radiation*, Taylor & Francis, 1995.
- [15] Mann, K. S., 2017, γ -Rays Shielding Behaviors of Some Nuclear Engineering Materials, *Nuclear Engineering and Technology*, 49, pp. 792-800.
- [16] Mann, K. S., Heer, M. S., Rani, A., 2015, Effect of Low-Z Absorber's Thickness on Gamma-Ray Shielding Parameters, *Nuclear Instruments and Methods in Physics Research A*, 797, pp. 19-28.
- [17] Kaur, S., Kaur, A., Singh, P. S., Singh, T., 2016, Scope of Pb-Sn Binary Alloys as Gamma Rays Shielding Material, *Progress in Nuclear Energy*, 93, pp. 277-286.
- [18] Kamat, V. A., Swaroop, K., Kiran, K. U., George, B., Somashekarappa, H. M., 2019, Effect of Hematite-Lead Oxide Combination in Ethylene-Propylene-Diene-Monomer on Shielding 59.54 keV Gamma Rays, *Radiation Physics and Chemistry*, 156, pp. 50-57.
- [19] Singh, V. P., Badiger, N. M., 2014, Gamma Ray and Neutron Shielding Properties of Some Alloy Material, *Annals of Nuclear Energy*, 64, pp. 301-310.
- [20] Manjunatha, H. C., Seenappa, L., Chandrika, B. M., Sridhar, K. N., Hanumantharayappa, C., 2018, Gamma, X-Ray and Neutron Shielding

- Parameters for The Al-Based Glassy Alloys, *Applied Radiation and Isotopes*, 139, pp. 187-194.
- [21] Xu, Y.-C., Song, C., Ding, X.-Y., Zhao, Y., Xu, D.-G., Zhang, Q.-P., Zhou, Y.-L., 2019, Tailoring Lattices of Bi₂WO₆ Crystals via Ce Doping to Improve the Shielding Properties Against Low-Energy Gamma Rays, *Journal of Physics and Chemistry of Solid*, 127, pp. 76-80.
- [22] Waly, E. -S. A., Al-Qous, G. S., Bourham, M. A., 2018, Shielding Properties of Glasses with Different Heavy Elements Additives for Radiation Shielding in The Energy Range 15-300 keV, *Radiation Physics and Chemistry*, 150, pp. 120-124.
- [23] Akman, F., Sayyed, M. I., Kaçal, M. R., Tekin, H. O., 2019, Investigation of Photon Shielding Performances of Some Selected Alloys by Experimental Data, Theoretical, and MCNPX Code in The Energy Range of 81 keV-1333 keV, *Journal of Alloys and Compounds*, 772, pp. 516-524.
- [24] Kumar, A., Sayyed, M. I., Dong, M., Xue, X., 2018, Effect of PbO on The Shielding Behavior of ZnO-P₂O₅ Glass System Using Monte Carlo Simulation, *Journal of Non-Crystalline Solid*, 481, pp. 604-607.
- [25] Larry C. Olsen, Stephen E. Seeman, Bobby I. Griffin, Charles J. Ambrose. *Nuclear Battery*. Dokumen paten, Patent Number: 3,706,893, United States Patent, United States, 1972.
- [26] R. J. McConn, C. J. Gesh, R. T. Pagh, R. A. Rucker dan R. G. Williams III. *Compendium of Material Composition Data for Radiation Transport Modeling*. Pacific Northwest National Laboratory, Richland, 2011.
- [27] Pemerintah Republik Indonesia, *Peraturan Kepala Badan Pengawas Tenaga Nuklir Nomor 4 Tahun 2013 tentang Proteksi dan Keselamatan Radiasi dalam Pemanfaatan Tenaga Nuklir*. Jakarta, 2013.
- [28] NIST. *Physics Reference Data XCom*. Diakses dari <https://www.physics.nist.gov/PhysRefData/Xcom/html/xcom1.html>, 14 Mei 2019.