

## DAFTAR PUSTAKA

- [1] Kepala Badan Pengawas Tenaga Nuklir, “Peraturan Kepala Badan Pengawas Tenaga Nuklir Nomor 8 Tahun 2016 Tentang Pengolahan Limbah Radioaktif Tingkat Rendah dan Tingkat Sedang.” Jakarta Pusat: Badan Pengawas Tenaga Nuklir, 2016.
- [2] BHKK, “Badan Pengawas Tenaga Nuklir - Penjelasan BAPETEN dan BATAN Pada RDP Komisi VII DPR RI tentang Paparan Radioaktif di Perumahan Batan Indah.” Diakses: 10 Februari 2024. [Daring]. Tersedia pada: <https://bapeten.go.id/berita/penjelasan-bapeten-dan-batan-pada-rdp-komisi-vii-dpr-ri-tentang-paparan-radioaktif-di-perumahan-batan-indah-152516>
- [3] BHKK, “Badan Pengawas Tenaga Nuklir - Pemerintah Kota Tangerang Selatan: Deklarasi Pernyataan Status Clearance, Di Perum Batan Indah, Serpong.” Berita BAPETEN. Diakses: 25 Oktober 2023. [Daring]. Tersedia pada: <https://www.bapeten.go.id/berita/pemerintah-kota-tangerang-selatan-deklarasi-pernyataan-status-clearance-di-perum-batan-indah-serpong-115640>
- [4] R. Saito, Y. Wakiyama, H. Bontrager, K. Nanba, dan J. C. Beasley, “Alteration of the Cesium-137 soil profile by wild boar rooting after the Fukushima Daiichi Nuclear Power Plant accident,” *Environmental Challenges*, vol. 12, 2023, doi: 10.1016/j.envc.2023.100728.
- [5] S. Venturi, “Cesium in Biology, Pancreatic Cancer, and Controversy in High and Low Radiation Exposure Damage—Scientific, Environmental, Geopolitical, and Economic Aspects,” *IJERPH*, vol. 18, no. 17, 2021, doi: 10.3390/ijerph18178934.
- [6] K. Ramasubramanian, M. Kumar, dan A. A. Reshma, “Phytoextraction Potential of *Amaranthus spinosus* L. Under Nickel Stress in Co-Cultivated Condition,” *International Multidisciplinary Innovative Research Journal*, vol. VI, no. 1, 2021.
- [7] G. Avkopashvili, A. Gongadze, R. Gakhokidze, dan M. Avkopashvili,



“Phytoremediation of Contaminated Soils, Contaminated with Heavy Metals from Gold Mine in Georgia,” dalam *International Conference “Applied Ecology: Problems, Innovations,”* Batumi, 2015.

- [8] M. Sadhasivam, S. Pitchamuthu, dan V. Ayyavu, “Chemically induced phytoextraction of cesium -137,” dalam *19th World Congress of Soil Science: Soil solutions for a changing world*, Brisbane: International Union of Soil Sciences (IUSS), 2010.
- [9] H. Li dkk., “Role of acid gases in  $\text{Hg}^0$  removal from flue gas over a novel cobalt-containing biochar prepared from harvested cobalt-enriched phytoremediation plant,” *Fuel Processing Technology*, vol. 207, 2020, doi: 10.1016/j.fuproc.2020.106478.
- [10] K. L. Njoku dan S. O. Nwani, “Phytoremediation of heavy metals contaminated soil samples obtained from mechanic workshop and dumpsite using *Amaranthus spinosus*,” *Scientific African*, vol. 17, 2022, doi: 10.1016/j.sciaf.2022.e01278.
- [11] D. B. Ramanlal, R. N. Kumar, N. Kumar, dan R. Thakkar, “Assessing potential of weeds (*Acalypha indica* and *Amaranthus viridis*) in phytoremediating soil contaminated with heavy metals-rich effluent,” *SN Appl. Sci.*, vol. 2:1063, no. 6, Jun 2020, doi: 10.1007/s42452-020-2859-0.
- [12] K. Selvaraj, V. Ramasubramanian, dan B. Makesh Kumar, “*Amaranthus viridis* L. a Best Hyperaccumulator for Arsenic Pollutants,” *ijsr*, vol. 10, no. 8, 2021, doi: 10.36106/ijsr.
- [13] L. Nirwani, Wahyudi, dan D. Iskandar, “Study on the  $^{137}\text{Cs}$  and  $^{60}\text{Co}$  Transfer Factors from Soil to Several Tropical Vegetables,” *Radiation Environment and Medicine*, vol. 13, no. 1, 2024, doi: 10.51083/radiatenvironmed.13.1\_19.
- [14] P. Andersen, A. Ghassemi, dan M. Ghassemi, “Nuclear Waste,” *Encyclopedia of Energy*, vol. 4, 2004, doi: 10.1016/B0-12-176480-X/00414-9.



- [15] T. Buthelezi, L. Dingrando, N. Hainen, C. Wistrom, D. Zike, dan Glencoe/McGraw-Hill, *Chemistry: Matter and Change*. New York: Glencoe/McGraw-Hill, 2013.
- [16] S. Min, H. Kang, B. Seo, C. Roh, S. Hong, dan J. Cheong, “Integrated and Portable Probe Based on Functional Plastic Scintillator for Detection of Radioactive Cesium,” *Appl. Sci.*, 2021, doi: 10.3390/app11115210.
- [17] K. S. Krane, *Introductory Nuclear Physics*, 2 ed. New York: John Wiley & Sons, 1988.
- [18] M. A. Ashraf, S. Akib, Mohd. J. Maah, I. Yusoff, dan K. S. Balkhair, “Cesium-137: Radio-Chemistry, Fate, and Transport, Remediation, and Future Concerns,” *Critical Reviews in Environmental Science and Technology*, vol. 44, no. 15, 2014, doi: 10.1080/10643389.2013.790753.
- [19] P. Lestaevel dkk., “Césium 137 : propriétés et effets biologiques après contamination interne,” *Médecine Nucléaire*, vol. 34, no. 2, 2010, doi: 10.1016/j.mednuc.2009.12.003.
- [20] R. L. Chaney dkk., “Phytoremediation of soil metals,” *Current Opinion in Biotechnology*, vol. 8, no. 3, 1997, doi: 10.1016/S0958-1669(97)80004-3.
- [21] Internationale Atomenergie-Organisation, *Handbook of parameter values for the prediction of radionuclide transfer in terrestrial and freshwater environments*. dalam Technical reports series, no. 472. Vienna: International Atomic Energy Agency, 2010.
- [22] D. H Soewondo, “Polusi Radioaktivitas Terhadap Flora dan Fauna,” dalam *Lokakarya Keselamatan Reaktor dan Segi Humasnya*, Semarang, 1976. Diakses: 20 Juni 2024. [Daring]. Tersedia pada: <https://karya.brin.go.id/id/eprint/10116>
- [23] B. Hussain dkk., “Chapter 2 - Metal and metalloids speciation, fractionation, bioavailability, and transfer toward plants,” T. Aftab dan K. Hakeem, Ed., Cambridge: Academic Press, 2022. doi: 10.1016/B978-0-323-91675-2.00026-3.



- [24] Environmental Protection Agency, "Introduction to Phytoremediation." Ohio: EPA's Office of Research and Development, 2000.
- [25] L. Holm, J. Doll, E. Holm, J. V. Pancho, dan J. P. Herberger, *World Weeds: Natural Histories and Distribution*. New York: John Wiley & Sons, 1997.
- [26] G. J. H. Grubben dan O. A. Denton, *Plant Resources of Tropical Africa 2: Vegetables*. Wageningen: Backhuys, 2004.
- [27] G. F. Knoll, "Chapter 12: Germanium Gamma-Ray Detectors," dalam *Radiation Detection and Measurement*, 4th Edition., New York: John Wiley & Sons, 2010.
- [28] N. Tsoulfanidis, "Chapter Nine: Introduction to Spectroscopy," dalam *Measurement and Detection of Radiation*, 2nd Edition., New York: Taylor & Francis, 1995.
- [29] Maxfomitchev, "The Rich Physics of Cs-137 Gamma Spectrum," Maximus Energy. Diakses: 24 Mei 2024. [Daring]. Tersedia pada: <https://maximus.energy/index.php/2020/10/24/the-rich-physics-of-cs-137-gamma-spectrum/>
- [30] M. U. Khandaker, "High purity germanium detector in gamma-ray spectrometry," *IJFPS*, vol. 1, no. 2, 2011, doi: 10.14331/ijfps.2011.330011.
- [31] M.-C. Lépy, M.-M. Bé, dan F. Piton, "ETNA (Efficiency Transfer for Nuclide Activity measurements) Software for efficiency transfer and coincidence summing corrections in gamma-ray spectrometry," *Laboratoire National Henri Becquerel*, 2004.
- [32] K. W. Sukowati, G. S. Wijaya, dan A. Muharini, "Validasi ETNA (Efficiency Transfer for Nuclide Activity measurement) untuk Analisis Sampel Radioaktivitas Lingkungan dengan Spektrometri Gamma," *Teknofisika*, vol. 3, no. 1, 2014.
- [33] W. Wuriesyliané dan A. Saputro, "Aplikasi Pupuk NPK untuk Meningkatkan Produksi Tanaman Kacang Tanah: Aplikasi Pupuk NPK



untuk Meningkatkan Produksi Tanaman Kacang Tanah,” *JPS*, vol. 3, no. 2, 2021, doi: 10.25181/jplantasimbiosa.v3i2.2251.

- [34] \_\_, “Sertifikat Standarisasi Radionuklida No. B-14696-4 / LT / STD / 03 / 2022.” Jakarta Selatan: Deputi Bidang Infrastruktur Riset Dan Inovasi Direktorat Pengelolaan Laboratorium, Fasilitas Riset, dan Kawasan Sains dan Teknologi Laboratorium Teknologi Keselamatan dan Metrologi Radiasi, 2022.
- [35] \_\_, “Sertifikat Standarisasi Radionuklida No. B-14696-5 / LT / STD / 03 / 2022.” Jakarta Selatan: Deputi Bidang Infrastruktur Riset Dan Inovasi Direktorat Pengelolaan Laboratorium, Fasilitas Riset, dan Kawasan Sains dan Teknologi Laboratorium Teknologi Keselamatan dan Metrologi Radiasi, 2022.

