

DAFTAR PUSTAKA

- Alfassi, Z. B., Groppi, F., Bonardi, M. L., & De Goeij, J. J. M. (2005). On the “artificial” nature of Tc and the “carrier-free” nature of ^{99m}Tc from $^{99}\text{Mo}/^{99m}\text{Tc}$ generators. *Applied Radiation and Isotopes*, 63(1), 37–40. <https://doi.org/10.1016/j.apradiso.2005.01.009>
- Alshahrani, A., Syed, G. M., Khan, A. H., Numani, S. P., Alnaim, A., Alanazi, F., & Mahzari, M. M. (2021). Assessment of normal reference values for thyroid uptake of technetium-99m pertechnetate in a Saudi population. *Annals of Saudi Medicine*, 41(2), 86–90. <https://doi.org/10.5144/0256-4947.2021.86>
- Andersson, M., Johansson, L., Eckerman, K., & Mattsson, S. (2017). IDAC-Dose 2.1, an internal dosimetry program for diagnostic nuclear medicine based on the ICRP adult reference voxel phantoms. *EJNMMI Research*, 7. <https://doi.org/10.1186/s13550-017-0339-3>
- Anggraini, R., Soenarjo, S., & Holisotan Hakim, E. (n.d.). *INTERAKSI ION PRASEODIMIUM (III) DENGAN BERBAGAI LIGAN: STUDI AWAL PEMBENTUKAN KOMPLEKS $^{142}\text{Pr(III)}$ UNTUK KANDIDAT RADIOFARMAKA TERAPI*.
- Beykan, S., Fani, M., Jensen, S. B., Nicolas, G., Wild, D., Kaufmann, J., & Lassmann, M. (2019). In vivo biokinetics of ^{177}Lu -OPS201 in mice and pigs as a model for predicting human dosimetry. *Contrast Media and Molecular Imaging*, 2019. <https://doi.org/10.1155/2019/6438196>
- Brosch-Lenz, J., Kurkowska, S., Frey, E., Dewaraja, Y. K., Sunderland, J., & Uribe, C. (2024). An International Study of Factors Affecting Variability of Dosimetry Calculations, Part 3: Contribution from Calculating Absorbed Dose from Time-Integrated Activity. *Journal of Nuclear Medicine*, 65(8), 1166–1172. <https://doi.org/10.2967/jnumed.123.267293>
- C. Streffer. (2007). *ICRP Publication 103 The 2007 Recommendations of the International Commission on Radiological Protection*. http://www.elsevier.com/wps/find/bookdescription.cws_home/713998/description#descriptionhttp://www.elsevier.com/wps/find/bookdescription.cws_home/714371/description#description
- Cahayaputri, O. T., Lubis, A. S., Pratiwi, R. F., & Oktaviana, A. T. (2024). Analisis Perhitungan Nilai Biodistribusi Tc-99m Perteknetat Pada Pasien Hipertiroid. *JRI (Jurnal Radiografer Indonesia)*. <https://doi.org/10.55451/jri.v7i1>

- Carter, L. M., Ocampo Ramos, J. C., Schuerle, S. B., Marquis, H., Lassmann, M., Bolch, W. E., & Kesner, A. L. (2024). MIRD Pamphlet No. 30: MIRDfit-A Tool for Fitting of Biodistribution Time-Activity Data for Internal Dosimetry. *Journal of Nuclear Medicine: Official Publication, Society of Nuclear Medicine*, 65(11), 1808–1814. <https://doi.org/10.2967/jnumed.124.268011>
- Hidayati, N. R. (2016). Application Of ^{99m}Tc Radioisotope In Diagnostic Procedures And Internal Radiation Dose Estimation. *KnE Energy*, 1(1). <https://doi.org/10.18502/ken.v1i1.469>
- Hidayati, N. R., Setyowati, S., Sutari, M., Triningsih, M., Karyadi, M., Aguswarini, S., Humani, T. S., Hidayat, B., Ramli, M., Massora, S., Susilo, V. Y., Mutalib, A., Sastramihardja, H., & Masjhur, J. S. (2015). STUDI AWAL ESTIMASI DOSIS INTERNAL ^{177}Lu -DOTA TRASTUZUMAB PADA MANUSIA BERBASIS UJI BIODISTRIBUSI PADA MENCIT. *Jurnal Sains Dan Teknologi Nuklir Indonesia*, 16(2), 105. <https://doi.org/10.17146/jstni.2015.16.2.2362>
- Hiswara, Eri. (2023). *Buku Pintar Proteksi dan Keselamatan Radiasi*.
- International Atomic Energy Agency. (2023). *Guidance for Preclinical Studies with Radiopharmaceuticals*. www.iaea.org/publications
- Isnaini Nur Islami, A., Nur Rahmah Hidayati, B., Teguh Hafiz Ambar Wibawa, C., Iswahyudi, D., Isti Daruwati, E., Moch Nurul Subkhi, F., Sains dan Teknologi -UIN Sunan Gunung Djati Bandung, F., & Teknologi Keselamatan dan Metrologi Radiasi -BATAN, P. (2019). STUDI AWAL ESTIMASI DOSIS INTERNAL ^{99m}Tc -MDP HASIL PRODUKSI PSTNT-BATAN PADA MANUSIA UNTUK DETEKSI METASTASIS DAN INFLAMASI TULANG BERBASIS UJI BIODISTRIBUSI HEWAN MODEL MENCIT. <http://ganendra.batan.go.id>
- Khandpur, R. Singh. (2020). *Compendium of Biomedical Instrumentation, Volume 2*. <https://doi.org/10.1002/9781119288190>
- Kim, S., & Won, C. W. (2022). Sex-different changes of body composition in aging: a systemic review. In *Archives of Gerontology and Geriatrics* (Vol. 102). Elsevier Ireland Ltd. <https://doi.org/10.1016/j.archger.2022.104711>
- Lafira, L., Hidayati, N. R., Ulya, S., Aries, A., Marlina, M., & Ramlan, R. (2023). ESTIMASI DOSIS ^{99m}Tc -PERTEHNETAT DARI GENERATOR ^{99}Mo / ^{99m}Tc NON-FISI PADA ANAK-ANAK USIA 1-15 TAHUN

- UNTUK PROSEDUR DIAGNOSTIK. *GANENDRA Majalah IPTEK Nuklir*, 26(2), 98. <https://doi.org/10.55981/gnd.2023.6853>
- Lahooti, A., Geramifar, P., & Beiki, D. (2017). Preclinical evaluation of ^{68}Ga -MAA from commercial available. In *Article in Iranian Journal of Pharmaceutical Research*. <https://www.researchgate.net/publication/319490743>
- Lee, C. (2024). A Review of Organ Dose Calculation Methods and Tools for Patients Undergoing Diagnostic Nuclear Medicine Procedures. In *Journal of Radiation Protection and Research* (Vol. 49, Issue 1, pp. 1–18). Korean Association for Radiation Protection. <https://doi.org/10.14407/jrpr.2023.00087>
- Marlina, Ridwan, M., Abdullah, I., & Yulizar, Y. (2021). Recent progress and future challenge of high-capacity adsorbent for non-fission molybdenum-99 (^{99}Mo) in application of $^{99}\text{Mo}/^{99\text{m}}\text{Tc}$ generator. *AIP Conference Proceedings*, 2346. <https://doi.org/10.1063/5.0047834>
- Marlina, Sarmini, E., Lestari, E., Pratama, C., Nurmanjaya, A., Sriyono, Abidin, Triyatna, F., Kadarisman, Aries, A., Febriana, S., Setiawan, H., Saptiama, I., Mujamilah, Patriati, A., Awaludin, R., & Yulizar, Y. (2022). Surface modification of acid-functionalized mesoporous gamma-alumina for non-fission $^{99}\text{Mo}/^{99\text{m}}\text{Tc}$ generator. *Applied Radiation and Isotopes*, 187. <https://doi.org/10.1016/j.apradiso.2022.110342>
- Medicines Agency, E. (2018). *Guideline on the non-clinical requirements for*. www.ema.europa.eu/contact
- Muskopf, S. (2019). *Investigation: Rat Dissection*. <https://bio.libretexts.org/@go/page/20726>
- Mutiarahmi, C. N., Hartady, T., & Lesmana, R. (2021). USE OF MICE AS EXPERIMENTAL ANIMALS IN LABORATORIES THAT REFER TO THE PRINCIPLES OF ANIMAL WELFARE: A LITERATURE REVIEW. *Indonesia Medicus Veterinus*, 10(1), 134–145. <https://doi.org/10.19087/imv.2020.10.1.134>
- Nijran, K. S. (2017). Diagnostic Radioisotopes in Haematology. In *Dacie and Lewis Practical Haematology: Twelfth Edition* (pp. 350–365). Elsevier Inc. <https://doi.org/10.1016/B978-0-7020-6696-2.00017-5>
- Petugas Radiasi di Ruang Penyinaran Radioterapi RSUP drHasan Sadikin Bandung Budi Muhamad, D. A., Hidayanto, E., & Very Richardina, dan. (2018). Analisis Pengaruh Dosis Radiasi Eksternal Akumulasi Dosis yang. In *Youngster Physics Journal* (Vol. 07, Issue 2).

Podgorsak, E. D. . (2005). *Radiation oncology physics: a handbook for teachers and students*. International Atomic Energy Agency.

REVIEW TINJAUAN PUSTAKA MENGENAI KARAKTERISTIK RADIOISOTOP. (n.d.).

Ridwan, E. (2013). Etika Pemanfaatan Hewan Percobaan dalam Penelitian Kesehatan. *J Indon Med Assoc*, 63, 112–118.

Rosilawati, N. E., Nasution, I., Tri, D., Murni, W., & Kesehatan, M. H. (2017). Penggunaan Radiofarmaka Untuk Diagnosa Dan Terapi Di Indonesia Dan Asas Keamanan Penggunaan Obat. In *Jurnal Hukum Kesehatan* (Vol. 3, Issue 1).

S. Mattsson, L., Johansson, S., Leide Svegborn, J., Liniecki, D., Noßke, K. A., Riklund, M., Stabin, D., Taylor, W., Bolch, S., Carlsson, K., Eckerman, A., Giussani, L., Soderberg, S., & Valind. (2015). *ICRP Publication 128 Radiation Dose to Patients from Radiopharmaceuticals: A Compendium of Current Information Related to Frequently Used Substances* (C.H. CLEMENT, Ed.). <http://ani.sagepub.com/>

Saldarriaga Vargas, C., Bauwens, M., Pooters, I. N. A., Pommé, S., Peters, S. M. B., Segbers, M., Jentzen, W., Vogg, A., van Velden, F. H. P., Meyer Viol, S. L., Gotthardt, M., Mottaghy, F. M., Wildberger, J. E., Covens, P., & Wierds, R. (2020). An international multi-center investigation on the accuracy of radionuclide calibrators in nuclear medicine theragnostics. *EJNMMI Physics*, 7(1). <https://doi.org/10.1186/s40658-020-00338-3>

Schwarz, S. W., & Decristoforo, C. (2019). US and EU radiopharmaceutical diagnostic and therapeutic nonclinical study requirements for clinical trials authorizations and marketing authorizations. *EJNMMI Radiopharmacy and Chemistry*, 4(1). <https://doi.org/10.1186/s41181-019-0059-2>

Sheetz, M. (2015). Radiological Hazards and Lasers. In *Research Regulatory Compliance* (pp. 113–157). Elsevier Inc. <https://doi.org/10.1016/B978-0-12-420058-6.00005-8>

Stabin, M. G. (2008). Fundamentals of nuclear medicine dosimetry. In *Fundamentals of Nuclear Medicine Dosimetry*. Springer New York. <https://doi.org/10.1007/978-0-387-74579-4>

Stabin, M. G. . (2017). *The practice of internal dosimetry in nuclear medicine*. CRC Press.

- Stabin, M. G., Sparks, R. B., & Crowe, E. (2005). *OLINDA/EXM: The Second-Generation Personal Computer Software for Internal Dose Assessment in Nuclear Medicine*.
- Ulya, S., Hidayati, N. R., Widodo, P., Mailana, W., & Mu'minah, I. A. S. (2024). Evaluation of Absorbed Dose Estimation on the Neuroendocrine Tumor Patient Treated by [177Lu]-Lu-DOTA-TATE using Planet Dose, IDAC-Dose 2.1, OLINDA 1.0, and OLINDA 2.0. *AIP Conference Proceedings*, 2967(1). <https://doi.org/10.1063/5.0193355>
- Uzunov, N., Yordanova, G., Salim, S., Stancheva, N., Mineva, V., Meléndez-Alafort, L., & Rosato, A. (2018). Quality assurance of Mo-99/Tc-99m radionuclide generators. *Acta Scientifica Naturalis*, 5(1), 40–47. <https://doi.org/10.2478/asn-2018-0006>
- Vakili, A., Jalilian, A. R., Yavari, K., Shirvani-Arani, S., Khanchi, A., Bahrami-Samani, A., Salimi, B., & Khorrami-Moghadam, A. (2013). Preparation and quality control and biodistribution studies of [90Y]-DOTA-cetuximab for radioimmunotherapy. *Journal of Radioanalytical and Nuclear Chemistry*, 296(3), 1287–1294. <https://doi.org/10.1007/s10967-013-2426-x>
- Wulan Dari, D., Irma Wulandari, P., & Teknik Radiodiagnostik dan Radioterapi Bali, A. (2023). EVALUASI IMPLEMENTASI PROTEKSI RADIASI DI RUANG RADIOLOGI INTERVENSI INSTALASI RIR RSUP PROF. DR. I.G.N.G NGOERAH. *HUMANTECH: JURNAL ILMIAH MULTIDISPLIN INDONESIA VOL 2*.
- Zanzonico, P. (2024). The MIRD Schema for Radiopharmaceutical Dosimetry: A Review. In *Journal of nuclear medicine technology* (Vol. 52, Issue 2, pp. 74–85). <https://doi.org/10.2967/jnmt.123.265668>