

DAFTAR PUSTAKA

- Amruddin. (2022). Paradigma Kuantitatif, teori dan studi pustaka. Dalam A. Munandar (Ed.), *Metodologi penelitian kuantitatif dan kualitatif* (hlm. 1-14). CV Media Sains Indonesia.
- BAPETEN. (2020). Peraturan Badan Pengawas Tenaga Nuklir Nomor 4 Tahun 2020 tentang keselamatan radiasi pada penggunaan pesawat sinar-X dalam radiologi diagnostik dan intervensional. BAPETEN.
- BAPETEN. (2021). *Pedoman teknis penerapan tingkat panduan diagnostik Indonesia (Indonesian Diagnostic Reference Level)*. Pusat Pengkajian Sistem dan Teknologi Pengawasan Fasilitas Radiasi dan Zat Radioaktif.
- BAPETEN. (2022). Peraturan Badan Pengawas Tenaga Nuklir Republik Indonesia Nomor 2 Tahun 2022 tentang Perubahan atas Peraturan Badan Pengawas Tenaga Nuklir Nomor 2 Tahun 2018 tentang Uji Kesesuaian Pesawat Sinar-X Radiologi Diagnostik dan Intervensial. Jakarta: BAPETEN.
- BAPETEN. (2024). Nilai tingkat panduan diagnostik Indonesia. *Badan Pengawas Tenaga Nuklir (BAPETEN)*.
- Bilalodin, B., Haryadi, A., Wihantoro, W., & Zufahair, Z. (2024). Optimalisasi keamanan pasien melalui penetapan diagnostic reference level (DRL) radiografi panoramik gigi dengan memanfaatkan dose area product (DAP) di Instalasi Radiologi RSUD Prof. Margono Purwokerto. *Program Pengabdian Kepada Masyarakat (PKM) Berbasis Riset, Fakultas Matematika dan Ilmu Pengetahuan Alam, Universitas Jenderal Soedirman*.
- Bushberg, J. T., Seibert, J. A., Leidholdt, E. M., & Boone, J. M. (2012). *The essential physics of medical imaging* (3rd ed.). Lippincott Williams & Wilkins.
- Chusin, T., Wongchai, R., Moonkham, S., Pengpan, T., & Aphiwatthanasumet, K. (2025). *Evaluation of the reproducibility of automatic exposure control systems in general X-ray machines using a coin-based method*. *Radiological Physics and Technology*, 18, 1239–1246. <https://doi.org/10.1007/s12194-025-00973-4>.
- Farman, A. G. (Ed.). (2007). *Panoramic radiology: Seminars on maxillofacial imaging and interpretation*. Springer.
- Frommer, H. H., & Stabulas-Savage, J. J. (2011). *Radiology for the Dental Professional* (9th ed.). St. Louis, MO: Elsevier Mosby.
- Han, S. J., & Kim, S. (2022). Attribution of the rise in radiation dose to the relaxed panoramic radiography diagnostic reference level in Korea. *International Journal of Radiation Research*, 20(1), 249–252.

- Hiswara, E., & Kartikasari, D. (2015). Dosis pasien pada pemeriksaan rutin sinar-X radiologi diagnostik. *Jurnal Sains dan Teknologi Nuklir Indonesia*, 16(2), 71-84.
- Hlongwa, P., Moshaoa, M. A. L., Musemwa, C., & Khammissa, R. A. G. (2023). Incidental pathologic findings from orthodontic pretreatment panoramic radiographs. *International Journal of Environmental Research and Public Health*, 20(4), Artikel 3479. <https://doi.org/10.3390/ijerph20043479>
- Hodolli, G., Kadiri, S., Nafezi, G., Bahtijari, M., & Sylva, N. (2019). Diagnostic reference levels at intraoral and dental panoramic examinations. *International Journal of Radiation Research*, 17(1), 147–150. <https://doi.org/10.18869/acadpub.ijrr.17.1.147>
- International Commission on Radiological Protection. (2017). *Diagnostic reference levels in medical imaging* (ICRP Publication 135). SAGE Publications.
- Irsal, M., Suroso, B., Ichsan, M., & Yansyah, A. (2021). Improving understanding of diagnostic reference level as an effort to optimize radiographic examination. *Journal of Health*, 2021, 1–10.
- Kementerian Kesehatan Republik Indonesia. (2008). *Keputusan Menteri Kesehatan Republik Indonesia Nomor 1014/MENKES/SK/XI/2008 tentang Standar Pelayanan Radiologi Diagnostik di Sarana Pelayanan Kesehatan*. Jakarta: Menteri Kesehatan Republik Indonesia.
- Ladia, A. P., Skiadopoulos, S. G., Karahaliou, A. N., Messaris, G. A. T., Delis, H. B., & Panayiotakis, G. S. (2016). The effect of increased body mass index on patient dose in paediatric radiography. *European Journal of Radiology*, 85, 1689–1694.
- Omidi, R., Zamani, H., Parach, A. A., Hazbavi, M., Dalvand, S., Ezoddini-Ardakani, F., Shafaei, M. A., & Zare, M. H. (2022). *Entrance surface dose measurement at thyroid and parotid gland regions in cone-beam computed tomography and panoramic radiography*. *Frontiers in Biomedical Technologies*, 9(2), 8851.
- Ruth, M. S. M. A., & Sosiawan, A. (2021). *Peran panoramik radiografik di bidang odontology forensik*. CV. Anugerah Imprenta.
- Sprawls, P. (1995). *Physical Principles of Medical Imaging* (2nd ed.). Medical Physics Publishing.
- Steward, A., Do, C., Brazil, T., & Barresi, M. (2025). The importance of patient positioning in radiography when utilising automatic exposure control. *Journal of Medical Radiation Sciences*, 0(1-12), 1–12. <https://doi.org/10.1002/jmrs.70030>.

- Suliman, I. I., & Abdelgadir, A. H. (2018). *Patient radiation doses in intraoral and panoramic X-ray examinations in Sudan*. *Journal of Radiation Research and Applied Sciences*, 11(2), 134–141.
- Szalma, J., Lempel, E., Jeges, S., Szabó, G., & Olasz, L. (2012). Digital versus conventional panoramic radiography in predicting inferior alveolar nerve injury after mandibular third molar removal. *The Journal of Craniofacial Surgery*, 23(2), e155–e158.
- Tierris, C. E., Yakoumakis, E. N., Bramis, G. N., & Georgiou, E. (2004). *Dose area product reference levels in dental panoramic radiology*. *Radiation Protection Dosimetry*, 111(3), 283–287. <https://doi.org/10.1093/rpd/nch341>
- Whaites, E., & Drage, N. (2013). *Essentials of Dental Radiography and Radiology* (5th ed.). Churchill Livingstone.
- White, S. C., & Pharoah, M. J. (2009). *Oral Radiology: Principles and interpretation* (6th ed.). St. Louis, MO: Mosby Elsevier.
- Zamani, H., Parach, A., Razavi, S., Shabani, M., Ataei, G., & Zare, M. (2021). Estimating the radiation surface dose and measuring the dose area product to provide the diagnostic reference level in panoramic radiography. *International Journal of Radiation Research*, 19(4), 963–970.