DAFTAR PUSTAKA

[1] N. H. Wijaya, Budimansyah, and D. Sukwono, "Wireless X-ray Machine Control Based on Arduino with Kv Parameters," *J. Phys. Conf. Ser.*, vol. 1430, no. 1, 2020, doi: 10.1088/1742-6596/1430/1/012040.

[2] S. Wahyuningsih and Suliyanto, "Evaluasi Paparan Radiasi Terhadap Dosis Eksterna yang Diterima Pekerja Radiasi di IEBE Tahun 2008," *Seminar*, no. NOVEMBER, 2009.

[3] E. Hidayanto and Z. Arifin, "PENGARUH VARIASI FAKTOR EKSPOSI (TEGANGAN TABUNG DAN ARUS WAKTU) SERTA PITCH TERHADAP COMPUTED TOMOGRAPHY DOSE INDEX (CTDI) DI UDARA MENGGUNAKAN CT DOSE PROFILER Computed Tomography Scan (CT Scan) profil dosis . Perbedaan Penelitian yang akan penggunaan detektor yaitu menggunakan CT dosis hasil pengukuran . Dasar Teori sepanjang sumbu pusat (Z-Axis) atau paralel Pada umumnya pengukuran

distribusi dosisi adalah Full Widht at half Maksimum (FWHM) pada profil dosis . FWHM merupaka," vol. 3, no. 4, 2014.

[4] M. A. Mubarok, E. Yulianto, and T. B. Indrato, "SCINTILLATION X-RAY KV METER," 2018.

[5] I. Shestakova, O. Philip, J. Wiedemann, and A. Headley, "Comparative study of ruggedness and reliability of gamma ray detectors based on a commercial high temperature PMT and a Schlumberger PMT at temperatures up to 185°C," *2017 IEEE Nucl. Sci. Symp. Med. Imaging Conf. NSS/MIC 2017 - Conf. Proc.*, vol. 77478, pp. 17–19, 2018, doi: 10.1109/NSSMIC.2017.8532831.

[6] H. Yu *et al.*, "Significant Enhancement in Light Output of Photonic-Crystal-Based YAG:Ce Scintillator for Soft X-Ray Detectors," *IEEE Trans. Nucl. Sci.*, vol. 66, no. 12, pp. 2435–2439, 2019, doi: 10.1109/TNS.2019.2954692.

[7] M. S. Muktadir, S. Islam, and A. R. Alam Chowdhury, "Development of a wireless safety system based on multiple radiation detector for

nuclear facilities," *1st Int. Conf. Robot. Electr. Signal Process. Tech. ICREST 2019*, pp. 539–542, 2019, doi: 10.1109/ICREST.2019.8644312.

[8] J. Poletti, "The effect of source to image distance on radiation risk to the patient," *Australas. Phys. Eng. Sci. Med.*, vol. 26, no. 3, pp. 110–114, 2003, doi: 10.1007/BF03178779.

[9] T. E. Walters, P. M. Kistler, J. B. Morton, P. B. Sparks, K. Halloran, and J. M. Kalman, "Impact of collimation on radiation exposure during interventional electrophysiology," *Europace*, vol. 14, no. 11, pp. 1670–1673, 2012, doi: 10.1093/europace/eus095.

[10] B. Bilki, Y. Onel, E. Tiras, J. Wetzel, and D. Winn, "Development of Radiation-Hard Scintillators and Wavelength-Shifting Fibers," *2018 IEEE Nucl. Sci. Symp. Med. Imaging Conf. NSS/MIC 2018 - Proc.*, pp. 2018–2021, 2018, doi: 10.1109/NSSMIC.2018.8824541.

[11] M. Conti, L. Eriksson, and C. Hayden, "Monitoring energy calibration drift using the scintillator

background radiation," *IEEE Nucl. Sci. Symp. Conf. Rec.*, vol. 58, no. 3, pp. 2515–2522, 2010, doi: 10.1109/NSSMIC.2010.5874240.

[12] F. Suyatno, "Aplikasi radiasi sinar-x di bidang kedokteran untuk menunjang kesehatan masyarakat," *SDM Teknol. Nukl.*, vol. 1, no. Teknologi Nuklir, pp. 25–26, 2008.

[13] D. Sebagai, S. Satu, S. Untuk, M. Gelar, and S. K. Gigi, "Efek radiasi sinar-x pada anak-anak," 2014.

[14] M. Djoko, Solichin, and Z. Abidin, "Djoko, Maryanto Solichin," *Djoko, Maryanto Solichin*, pp. 679–689, 2009, doi: 10.1016/S0009-8981(01)00454-5.

[15] K. Bandu, "Efek radiasi sinar-x pada anak-anak," 2014.

[16] E. D. Anwar, "SISTEM PRIOTEKSI RADIASI : Analisis Terhadap Bidang Radiologi Rumah Sakit," *Phenom. J. Pendidik. MIPA*, vol. 1, no. 1, pp. 47–63, 2016, doi: 10.21580/phen.2011.1.1.444.

[17] E. Setiawati and K. Sofjan, "Pembuatan Kurva

Isodosis Paparan Radiasi Di Ruang Pemeriksaan Instalasi Radiologi Rsud Kabupaten Kolaka - Sulawesi Tenggara," *Berk. Fis.*, vol. 15, no. 4, pp. 123–132, 2012.

[18] H. R. Fajrin, Z. Rahmat, and D. Sukwono, "Kilovolt peak meter design as a calibrator of X-ray machine," *Int. J. Electr. Comput. Eng.*, vol. 9, no. 4, pp. 2328–2335, 2019, doi: 10.11591/ijece.v9i4.pp2328-2335.

[19] M. Munir and D. Amalia, "Pengaruh Perubahan Tegangan Tinggi Tabung Photomultiplayer (PMT) Terhadap Amplitudo Keluaran Detektor NaI(Tl)," *Berk. Fis.*, vol. 4, no. 3, pp. 69–78, 2001.

[20] M. Si *et al.*, "Buku Pintar Nuklir," pp. 1–216, 2001.

[21] A. Journal and N. Science, "Study of the Quality Assurance of Conventional X-ray units at Medical city in Baghdad," vol. 47, 2014.

[22] P. Bhattacharya *et al.*, "TlZrCl and TlHfCl Intrinsic Scintillators for Gamma Rays and Fast Neutron Detection," *IEEE Trans. Nucl. Sci.*, vol. 67, no. 6, pp. 1032–1034, 2020, doi:

10.1109/TNS.2020.2997659.

[23] Junaidi and Y. D. Prabowo, *Project Sistem Kendali Elektronik Berbasis Arduino*. 2018.

[24] R. Hardiansyah, "PENGENALAN BORLAND DELPHI 7 . 0 SISTEM Cara," *Fak. Komput. UAS*, 2019.

[25] ITead Studio, "datasheet HC-05 Bluetooth Module," *Datasheet*, p. 1, 2010.

[26] D. Teknik, N. Dan, T. Fisika, and U. G. Mada, "Liquid Scintillator Detectors," *Dep. Tek. Nukl. dan Tek. Fis. Univ. Gadjah Mada Yogyakarta*, 2015.

[27] P. P. Ketenaganukliran and K. Publik, "Analisis Penggunaan Metode T-Test dalam Pengecekan Antara pada Alat Ukur X-Ray Multimeter untuk Uji Kesesuaian," no. 8, 2017.