

DAFTAR PUSTAKA

- Affriyenni, Y., 2017, Pengukuran Koefisien Muai Termal Pada Kabel Listrik Menggunakan Mikroradiografi Sinar-X Digital, *Tesis S2*, Program Pascasarjana, UGM, Yogyakarta.
- Amiri, G.R., Fatahian, S. dan Mahmoudi, S., 2013, Preparation and Optical Properties Assessment of CdSe Quantum Dots, *MSA*, 4, 134-137.
- Beiser, A., 1987, *Concepts of Modern Physics*, Fourth Edition, McGraw-Hill, London.
- Bhand, G.R. dan Chaure, N.B., 2017, Synthesis of CdTe, CdSe and CdTe/CdSe Core/Shell QDs from Wet Chemical Colloidal Method, *Mat. Sci. Semicon. Proc.*, 68, 279-287.
- Brus, L., 1986, Electronic Wave Function in Semiconductor Clusters: Experiment and Theory, *J. Phys. Chem.*, 90, 2555-2560.
- Buzug, T.M., 2008, *Computed Tomography: From Photon Statistics to Modern Cone-Beam CT*, Springer, Germany.
- Cao, Y., Wang, C., Zhu, B. dan Gu, Y., 2017, A Facile Method to Synthesis High-Quality CdSe Quantum Dots for Large and Tunable Nonlinear Absorption, *Opt. Mater.*, 66, 59-64.
- Carrol, Q.B., 2011, *Radiography in The Digital Age*, Charles C. Thomas Publisher, Ltd, USA.
- Chan, W.C.W., Maxwell, D.J., Gao, X., Bailey, R.E., Han, M. dan Nie, S., 2002, Luminescent Quantum Dots for Multiplexed Biological Detection and Imaging, *Curr. Opin. Biotech.*, 13 (1), 40-46.
- Dyson, N.A., 1990, *X-Rays in Atomic and Nuclear Physics*, Cambridge University Press, Cambridge.
- Fardela, R., 2014, Pengembangan Detektor Sinar-X Berbasis Fototransistor, *Tesis S2*, Program Pascasarjana, UGM, Yogyakarta.
- Fox, M., 2010, *Optical Properties of Solids*, Second Edition, Oxford University Press, Oxford.
- Gao, X., Yang, L., Petros, J.A., Marshall, F.F., Simons, J.W. dan Nie, S., 2005, *In Vivo* Molecular and Cellular Imaging with Quantum Dots, *Curr. Opin. Biotech.*, 16 (1), 63-72.
- Gautreau, R. dan Savin, W., 1999, *Theory and Problems of Modern Physics*, Schaums's Outline Series, McGraw-Hill, USA.

- Giersch, J., 2005, Medical Quantum X-Ray Imaging with 2D Detector, *Nucl. Instrum. Meth. A*, 551, 125-138.
- Griffiths, D.J., 2005, *Introduction to Quantum Mechanics 2nd Edition*, Pearson Prentice Hall, New Jersey.
- Hamizi, N.A. dan Johan, M.R., 2010, Synthesis and Size Dependent Optical Studies in CdSe Quantum Dots Via Inverse Micelle Technique, *Mater. Chem. Phys.*, 124, 395-398.
- Hegazy, M.A. dan El-Hameed, A.M.A., 2014, Characterization of CdSe-Nanocrystals Used in Semiconductor for Aerospace Applications: Production and Optical Properties, *NRIAG-JAG*, 3, 1, 82-87.
- Hubbell, J.H. dan Seltzer, S.M., 2004, *Tables of X-Ray Mass Attenuation Coefficients and Mass Energy-Absorption Coefficients (version 1.4)*, National Institute of Standards and Technology, Gaithersburg.
- Isnaeni dan Cho, Y.H., 2010, The Fabrication and Characterization of Quantum Dots-Conjugate Opal Photonic Crystals Structure, *Nanotechnology*, 21, 225201.
- Isnaeni, Kim, K.H., Nguyen, D.L., Lim, H., Nga, P.T. dan Cho, Y.H., 2011, Shell Layer Dependence of Photoblinking in CdSe/ZnSe/ZnS Quantum Dot, *Appl. Phys. Lett.*, 98, 012109.
- Isnaeni, Sugiarto, I.T., Bilqis, R. dan Suseno, J.E., 2016, Detection of CdSe Quantum Dot Photoluminescence for Security Label on Paper, *AIP Conf. Proc.*, 1719, 030038.
- Isnaeni, Yulianto, N. dan Suliyanti, M.M., 2016, Photoluminescence of Patterned CdSe Quantum Dot for Anti-Counterfeiting Label on Paper, *AIP Conf. Proc.*, 1719, 030050.
- Jamieson, T., Bakhshi, R., Petrova, D., Pocock, R., Imani, M. dan Seifalian, A.M., 2007, Biological Applications of Quantum Dots, *Biomaterials*, 28, 4717-4732.
- Kang, Z., Zhang, Y., Menkara, H., Wagner, B.K., Summers, C.J., Lawrence, W. dan Nagarkar, V., 2011, CdTe Quantum Dots and Polymer Nanocomposites for X-Ray Scintillation and Imaging, *Appl. Phys. Lett.*, 98, 181914.
- Klimov, V.I., 2010, *Nanocrystal Quantum Dots*, Second Edition, Taylor and Francis Group, Florida.
- Kunzel, R. dan Okuno, E., 2012, Effect of The Particle Size and Concentration on The X-Ray Absorption by CuO Compounds, *Appl. Radiat. Isotopes.*, 70, 781-784.

- Kusminarto, 2011, *Esensi Fisika Modern*, Penerbit ANDI, Yogyakarta.
- Lawrence, W.G., Thacker, S., Palamakumbura, S., Riley, K.J. dan Nagarkar, V.V., 2010, Quantum Dot – Organic Polymer Composite Materials for X-Ray Detector and Imaging, *IEEE Nuclear Science Symposium & Medical Imaging Conference*, 246–252.
- Maestro, L.M., Rodriguez, E.M., Rodriguez, F.S., de la Cruz, M.C.I., Juarranz, A., Naccache, R., Vetrone, F., Jaque, D., Capobianco, J.A dan Sole, J.G., 2010, CdSe Quantum Dots for Two-Photon Fluorescence Thermal Imaging, *Nano. Lett.*, 10, 5109-5115.
- Mahajan, S., Rani, M., Dubey, R.B. dan Mahajan, J., 2013, Characteristics and Properties of CdSe Quantum Dots, *IJLRST*, 2 (1), 457-459.
- Meyerhof, W.E., 1967, *Elements of Nuclear Physics*, McGraw-Hill, USA.
- McKigney, E.A., Del Sesto, R.E., Jacobsohn, L.G., Santi, P.A., Muenchausen, R.E., Ott, K.C., McCleskey, T.M., Bennet, B.L., Smith, J.F. dan Cooke, D.W., 2007, Nanocomposite Scintillator for Radiation Detection and Nuclear Spectroscopy, *Nucl. Instrum. Meth. A*, 579, 15-18.
- McMahon, G., 2007, *Analytical Instrumentation A Guide to Laboratory, Portable and Miniaturized Instrumens*, John Wiley & Sons, Ltd, England.
- Mir, I.A., Das, K., Rawat, K. dan Bohidar, H.B., 2016, Hot Injection Versus Room Temperature Synthesis of CdSe Quantum Dots: A Differential Spectroscopic and Bioanalyte Sensing Efficacy Evaluation, *Colloid Surface A.*, 494, 162-169.
- Montgomery, D.C., 2013, *Design and Analysis of Experiments 8th Edition*, John Wiley & Sons, Inc., New York.
- Nikolopoulos, D., Valais, I., Michail, C., Bakas, A., Fountzoula, C., Cantoz, D., Bhattacharyya, D., Sianoudis, I., Fountos, G., Yannakopoulos, P. dan Kandarakis, I., 2016, Radioluminescence Properties of the CdSe/ZnS Quantum Dot Nanocrystals with Analysis of Long-Memory Trends, *Radiat. Meas.*, 92, 19-31.
- Norris, D.J. dan Bawendi, M.G., 1996, Measurement and Assignment of the Size-Dependent Optical Spectrum in CdSe Quantum Dots, *Phys. Rev. B*, 24, 53, 16338-16346.
- Owen, A. dan Peacock, A., 2004, Compound Semiconductor Radiation Detectors, *Nucl. Instrum. Meth. A*, 531, 18-37.
- Podgorsak, E.B., 2010, *Radiation Physics for Medical Physicists*, Springer, Heidelberg.

- Ponpon, J.P., 2005, Semiconductor Detectors for 2D X-Ray Imaging, *Nucl. Instrum. Meth. A*, 551, 15-26.
- Pratama, I.B.G.P., 2014, Pengujian Kapasitor Elektrolit dengan Menggunakan Mikro-Tomografi Komputer, *Skripsi S1*, FMIPA, UGM, Yogyakarta.
- Quinn, J.J. dan Yi K.S., 2009, *Solid State Physics: Principles and Modern Applications*, Springer, Heidelberg.
- Ratnesh, R.K. dan Mehata, M.S., 2017, Synthesis and Optical Properties of Core-Multi-Shell CdSe/CdS/ZnS Quantum Dots: Surface Modifications, *Opt. Mater.*, 64, 250-256.
- Reghuram, S., Arivarasan, A., Kalpana, R. dan Jayavel, R., 2014, CdSe and CdSe/ZnS Quantum Dots for the Detection of C-reactive Protein, *J. Exp. Nanosci.*, 10, 787-802.
- Reimer, L. dan Kohl, H., 2008, *Transmission Electron Microscopy: Physics of Image Formation 5th Edition*, Springer, USA.
- Ristic, G.S., 2013, The Digital Flat-Panel X-Ray Detectors, *Proc. of The Third Conference on Medical Physics and Biomedical Engineering*, 45, 10, 45026290.
- Saleh, W.R., Saeed, N.M., Twej, W.A. dan Alwan, M., 2012, Synthesis Sol-Gel Derived Highly Transparent ZnO Thin Films for Optoelectronic Applications, *Advances in Materials Physics and Chemistry*, 2, 11-16.
- Schaller, D.R., Petruska, M.A. dan Klimov, V.I., 2005, Effect of Electronic Structure on Carrier Multiplication Efficiency: Comparative Study of PbSe and CdSe Nanocrystals, *Appl Phys Lett*, 87, 253102.
- Tauc, J., 1968, Optical Properties and Electronic Structure of Amorphous Ge and Si, *Mater. Res. Bull.*, 3, 1, 37-46.
- Yu, W.W., Qu, L., Guo, W. dan Peng, X., 2003, Experimental Determination of Extinction Coefficient of CdTe, CdSe and CdS Nanocrystal, *Chem. Mater.*, 15, 2854-2860.