

DAFTAR PUSTAKA

- Abdullah, R., Basak, I., Patil, K.S., Alves, G., Larsen, J.P., dan Møller, S.G., 2015, Parkinson's Disease and Age: The Obvious but Largely Unexplored Link. *Exp. Gerontol.*, 68, 33-38.
- Adegboyega, N.F., Sharma, V.K., Siskova, K., Zboril, R., Sohn, M., Schultz, B.J., dan Banerjee, S., 2013, Interactions of Aqueous Ag⁺ with Fulvic Acids: Mechanisms of Silver Nanoparticle Formation and Investigation of Stability, *Environ. Sci. Technol.*, 47, 757-764.
- Agnihotri, S., Mukherji, S., dan Mukerji, S., 2014, Size-Controlled Silver Nanoparticle Synthesized over the Range 5-100 nm Using the Same Protocol and Their Antibacterial efficacy, *RSC Adv.*, 4, 3974-3983.
- Akaighe, N., MacCuspie, R.I., Navarro, D.A., Aga, D.S., Banerjee, S., Sohn, M., dan Sharma, V.K., 2011, Humic Acid-Induced Silver Nanoparticle Formation Under Environmentally Relevant Conditions, *Environ. Sci. Technol.*, 45, 3895-3901.
- Alvarez-Ros, M.C., Sánchez-Cortés, S., dan Garcia-Ramos, J.V., 2000, Vibrational Study of the Salicylate Interaction with Metallic Ions and Surfaces, *Spectrochim. Acta, Part A*, 56, 2471-2477.
- Annadhasan, M., Muthukumarasamyvel, T., Babu, V.R.S., dan Rajendiran, N., 2014, Green Synthesized Silver and Gold Nanoparticles for Colorimetric Detection of Hg²⁺, Pb²⁺, and Mn²⁺ in Aqueous Medium, *ACS Sustainable Chem. Eng.*, 2, 887-896.
- Anonymous, 2011, Matrix Spiking-Why Spike and How to Do It, Thermo Fisher Scientific, <https://static.fishersci.com/cmsassets/downloads/segment/Scientific/pdf/WaterAnalysis/Log112tipMatrixSpikeWhySpikeHowtoDoIt.pdf>. Diakses pada : 4 November 2015.
- Araujo, P., 2009, Key Aspect of Analytical Method Validation and Linearity Evaluation, *J. Chromatogr. B*, 877, 2224-2234.
- Ashokkumar, S., Ravi, S., Kathiravan, V., dan Velmurugan, S., 2014, Synthesis of Silver Nanoparticles Using *A. indicum* Leaf Extract and Their Antibacterial Activity, *Spectrochim. Acta, Part A*, 134, 34-39.
- Azocar, M.I., Munoz, H., Levin, P., Dinamarca, N., Gomez, G., Ibanez, A., Garland, M.T., dan Paez, M.A., 2013, Synthesis and Characterization of Silver (I) Complexes with Ligands Having Anti-Inflammatory Properties, *Commun. Inorg. Synth.*, 1, 19-21.
- Bastus, N.G., Merkoci, F., Piella, J., dan Puntès, V., 2014, Synthesis of Highly Monodisperse Citrate-Stabilized Silver Nanoparticles up to 200 nm: Kinetic Control and Catalytic Properties. *Chem. Mater.*, 26, 2836-2846.

- Buduru, P., Reddy, B.C.S.R., dan Naidu, N.V.S., 2017, Functionalization of Silver Nanoparticles with Glutamine and Histidine for Simple and Selective Detection of Hg²⁺ Ion in Water Samples, *Sens. Actuators, B*, 244, 972-982.
- Burda, C., Chen, X., Narayanan, R., dan El-Sayed, M.A., 2005, Chemistry and Properties of Nanocrystals of Different Shapes, *Chem. Rev.*, 105, 1025-1102.
- Burns, I.G., Hayes, M.H.B., dan Stacey, M., 1973, Spectroscopic Studies on the Mechanisms of Adsorption of Paraquat by Humic Acid and Model Compounds, *Pestic. Sci.*, 4, 201-209.
- Calderbank, A., dan Yuen. S. H., 1965, An Ion-exchange Method for Determining Paraquat Residues in Food Crops, *Analyst*, 90, 99-106.
- Chaloupka, K., Malam, Y., dan Seifalian, A.M., 2010, Nano Silver as a New Generation of Nanoproduct in Biomedical Applications. *Trends Biotechnol.*, 28, 580-588.
- Cumberland, S.A. dan Lead, J.R., 2013, Synthesis of NOM-Capped Silver Nanoparticles: Size, Morphology, Stability, and NOM Binding Characteristics, *ACS Sustainable Chem. Eng.*, 1, 817-825.
- Dack, M.R.J., 1973, Charge-Transfer Complexes and Photochemistry, *J. Chem. Educ.*, 50, 169-173.
- Dubas, S.T., dan Pimpan, V., 2008, Humic Acid Assisted Synthesis of Silver Nanoparticles and Its Application to Herbicide Detection, *Mater. Lett.*, 62, 2661-2663.
- Dubey, M., Bhadauria, S., dan Kuswah, B.S., 2009, Green Synthesis of Nanosilver Particles from Extract of *Eucalyptus hybrida* (safeda) leaf. *Digest J. Nanomater. Biostructures*. 4, 537-543.
- Eccles, J.W.L., Bangert, U., Bromfield, M., Christian, P., Harvey, A.J., dan Thomas, P., 2010, UV-Vis Plasmon Studies of Metal Nanoparticles, *J. Phys.: Conf. Ser.*, 241, 241: 1-4.
- Elechiguerra, J.L., Burt, J.L., Morones, J.R., Camacho-Bragado, A., Gao, X., Lara, H.H., dan Jose-Yacaman, M., 2005, Interaction of Silver Nanoparticles with HIV-1. *J. Nanobiotechnol.*, 3, 6.
- El-Nour, K.M.M.A., Eftaiha, A., Al-Warthan, A., dan Ammar, R.A.A., 2010, Synthesis and Applications of Silver Nanoparticles. *Arab. J. Chem.*, 3, 135-140.
- Emeka, E.E., Ojiefoh, O.C., Aleruchi, C., Hassan, L.A., Christiana, O.M., Rebecca, M., Daare, E.O., dan Temitope, A.E., 2014, Evaluation of Antibacterial Activities of Silver Nanoparticles Green-Synthesized Using Pineapple leaf (*Ananas comosus*), *Micron*, 57, 1-5.

- Eustis, S., dan El-Sayed, M.A., 2006, Why Gold Nanoparticles Are More Precious than Pretty Gold: Noble Metal Surface Plasmon Resonance and Its Enhancement of the Radiative and Nonradiative Properties of Nanocrystals of Different Shapes. *Chem. Soc. Rev.*, 35, 209-217.
- Evanoff Jr, D.D., dan Chumanov, G., 2005, Synthesis and Optical Properties of Silver Nanoparticles and Arrays, *Chemphyschem*, 6, 1221-1231.
- Ganesan, M., Natesan, S., dan Ranganathan, V., 1979, Spectrophotometric Method for the Determination of Paraquat, *Analyst*, 104, 258-261.
- Gentile, A., Ruffino, F., dan Grimaldi, M.G., 2016, Complex-Morphology Metal-Based Nanostructures: Fabrication, Characterization, and Applications, *Nanomaterials*, 6, 110.
- Gonzalez, A. G., dan Herrador, M.A., 2007, A Practical Guide to Analytical Method Validation, Including Measurement Uncertainty and Accuracy Profiles, *Trends in Anal. Chem.*, 26, 227-238.
- Goulet, P.J.G., dan Aroca, R.F., 2004, Chemical Adsorption of Salicylate on Silver - A Systematic Approach to the Interpretation of Surface-Enhanced Vibrational Spectra, *Can. J. Chem.*, 82, 987-997.
- Green, J.M., 1996, A Practical Guide to Analytical Method Validation, *Anal. Chem*, 68, 305A-309A.
- Grillo, R., Rosa, A.H., dan Fraceto, L.F., 2015, Engineered Nanoparticles and Organic Matter: A Review of the State-of-the-Art, *Chemosphere*, 119, 608-619.
- Gunsolus, I.L., Mousavi, M.P.S., Hussein, K., Bühlmann, P., dan Haynes, C.L., 2015, Effects of Humic and Fulvic Acids on Silver Nanoparticle Stability, Dissolution, and Toxicity. *Environ. Sci. Technol.*, 49, 8078-8086.
- Henglein, A., 1999, Formation of Colloidal Silver Nanoparticles: Capping Action of Citrate. *J. Phys. Chem. B*, 103, 9533-9539.
- Huynh, K.A. dan Chem, K.L., 2011, Aggregation Kinetics of Citrate and Polyvinylpyrrolidone Coated Silver Nanoparticles in Monovalent and Divalent Electrolyte Solutions, *Environ. Sci. Technol.*, 45, 5564-5571.
- Jacob, J.A., Mahal, H.S., Biswas, N., Mukherjee, T., dan Kapoor, S., 2008, Role of Phenol Derivatives in the Formation of Silver Nanoparticles, *Langmuir*, 24, 528-533.
- Jain, P.K., Huang, X., El-Sayed, I.H., dan El-Sayed, M.A., 2007, Review of Some Interesting Surface Plasmon Resonance-Enhanced Properties of Noble Metal Nanoparticles and Their Applications to Biosystems, *Plasmonics*, 2, 107-118.

- Jin, W., Huang, P., Wu, F., dan Ma, L-H., 2015, Ultrasensitive Colorimetric Assay of Cadmium Ion Based on Silver Nanoparticles Functionalized with 5-Sulfosalicylic Acid for Wide Practical Applications, *Analyst*, 140, 3507-3513.
- Karuppiah, M., dan Rajomohan, R., 2013, Green Synthesis of Silver Nanoparticles Using *Ixora coccinea* Leaves Extract. *Mater. Lett.*, 97, 141-143.
- Krutyakov, Y.A., Kudrinskiy, A.A., Olenin, A.Y., dan Lisichkin, G.V., 2008, Synthesis and Properties of Silver Nanoparticles: Advances and Prospects. *Russ. Chem. Rev.*, 77, 233-257.
- Kvítek, L., Panáček, A., Soukupová, J., Kolář, M., Večeřová, R., Puce, R., Holecová, M., dan Zbořil, R., 2008. Effect of Surfactants and Polymer on Stability and Antibacterial Activity of Silver Nanoparticles (NPs), *J. Phys. Chem. C*, 112, 5825-5834.
- Ledwith, A., dan Woods, H.J., 1970, Charge Transfer Spectra and Reaction Intermediates. Part II. Stable Crystalline Complexes from Phenol and NN'-Dimethyl-44'-bipyridylum (Paraquat) Salts. *J. Chem. Soc. C*, 1422-1425.
- Lee, P.C., dan Meisel, D., 1982, Adsorption and Surface-Enhanced Raman of Dyes on Silver and Gold Solids, *J. Phys. Chem.*, 86, 3391-3395.
- Lee, P-C., Bordelon, Y., Bronstein, J., dan Ritz, B., 2012, Traumatic Brain Injury, Paraquat Exposure, and Their Relationship to Parkinson Disease, *Neurology*, 79, 2061-2066.
- Li, X., Lenhart, J.J., dan Walker, H.W., 2010, Dissolution-Accompanied Aggregation Kinetics of Silver Nanoparticles, *Langmuir*, 26, 16690-16698.
- Lide, D. R (ed)., 2010, CRC Handbook of Chemistry and Physics, 90th ed. CD-ROM Version, CRC Press/Taylor and Francis, Boca Raton.
- Litvin, V.A., Galagan, R.L., dan Boris F. Minaev, B.F., 2012, Kinetic and Mechanism Formation of Silver Nanoparticles Coated by Synthetic Humic Substances, *Colloids Surf., A: Physicochem. Eng. Aspects*, 414, 234-243.
- Lövestam, G., Rauscher, H., Roebben, G., Klüttgen, B.S., Gibson, N., Putaud, J.P., dan Stamm, H., 2010, *Considerations on a Definition of Nanomaterial for Regulatory Purposes*, Publications Office of the European Union, Luxembourg.
- Lu, Yu.-C., dan Chou, K.-S., 2008, A Simple and Effective Route for the Synthesis of Nano-Silver Colloidal Dispersions. *J. Chin. Inst. Chem. Engrs*, 39, 673-678.

- Ma, Y., Niu, H., Zhang, X., dan Cai, Y., 2011, One-Step Synthesis of Silver/Dopamin Nanoparticles and Visual Detection of Melamin in Raw Milk, *Analyst*, 136, 4192-4196.
- Mittal, A.K., Chisti, Y., dan Banerjee, U.C., 2013, Synthesis of Metallic Nanoparticles Using Plant Extracts. *Biotechnol. Adv.*, 31, 346-356.
- Mock, J.J.; Barbic, M.; Smith, D.R.; Schultz, D.A.; dan Schultz, S., 2002, Shape Effects in Plasmon Resonance of Individual Colloidal Silver Nanoparticles. *J. Chem. Phys.*, 116, 6755-6759.
- Monk, P.M.S., dan Hodgkinson, N.M., 1998, Charge-Transfer Complexes of the Viologens: Effect of Complexation and the Rate of Electron Transfer to Methyl Viologen. *Electrochim. Acta*, 43, 245-255.
- Moritz, M. dan Geszke-Moritz, M., 2013, The Newest Achievements in Synthesis, Immobilization and Practical Applications of Antibacterial Nanoparticles, *Chem. Eng. J.*, 228, 596-613.
- Munch, J.W., dan Bashe, W.J., 1997, *Method 549.2: Determination of Diquat and Paraquat in Drinking Water by Liquid-Solid Extraction and High Performance Liquid Chromatography with Ultraviolet Detection*. National Exposure Research Laboratory Office of Reserach and Development. U.S. Environmental Protection Agency, Ohio.
- Murthy, A.S.N., dan Bhardwaj, A.P., 1982, Electronic Spectroscopic Studies on Charge-Transfer Onteraction in Biologically Importan Molecule: N,N'-dimethyl-4,4'-bipyridylum Chloride (Paraquat or Methyl Viologen) as an Electron Acceptor, *Spectrochim. Acta*, 38A, 207-212.
- Oliveira, E., Núñez, C., Santos, H.M., Fernández-Lodeiro, J., Fernández-Lodeiro, A., Capelo, J.L., dan Lodeiro, C., 2015, Revisiting the Use of Gold and Silver Functionalised Nanoparticles as Colorimetric and Fluorometric Chemosensors for Metal Ions, *Sens. Actuators, B*, 212, 297-328.
- Ozin, G.A., 1992, Nanochemistry: Synthesis in Diminishing Dimensions. *Adv. Mater.*, 4, 612-649.
- Pacheco, M.L., Pena-Mendez, E.M., dan Havel, J., 2003, Supramolecular Interaction of Humic Acids with Organic and Inorganic Xenobiotics Studies by Capillary Electrophoresis, *Chemosphere*, 51, 95-108.
- Panáček, A., Kvítek, L., Pucek, R., Kolář, M., Večeřová, R., Pizúrová, N., Sharma, V.K., Nevěčná, T., dan Zbořil, R., 2006, Silver Colloid Nanoparticles: Synthesis, Characterization, and Their Antibacterial Activity, *J. Phys. Chem. B*, 110, 16248-16253.
- Pearson, R.G., 1968, Hard and Soft Acids and Bases, HSAB, Part I: Fundamental Principles, *J. Chem. Educ.*, 45, 581-587

- Philip, D., John, A. Panicker, C.Y., dan Varghese, H.T., 2001, FT-Raman, FT-IR and Surface Enhanced Raman Scattering Spectra of Sodium Salicylate, *Spectrochim. Acta, Part A*, 57, 1561-1566.
- Piccolo, A., 2001, The Supramolecular Structure of Humic Substances. *Soil Sci.*, 116, 810-832.
- Pinto, V.V., Ferreira, M.J., Silva, R., Santos, H.A., Silva, F., dan Pereira, C.M., 2010, Long Time Effect on The Stability of Silver Nanoparticles in Aqueous Medium: Effect of The Synthesis and Storage Conditions, *Colloids Surf. A: Physicochem. Eng. Aspects*, 364, 19-25.
- Pizzutti, I.R., Vel, G.M.E., de Kok, A., Scholten, J.M., Dias, J.V., Cardoso, C.D., Conceco, G., dan Vivian, R., 2016, Determination of Paraquat and Diquat: LC-MS Method Optimization and Validation, *Food Chem.*, 209, 248-255.
- Polte, J., Tuae, X., Wuithschic, M., Fischer, A., Thuenemann, A.F., Rademann, K., Kraehnert, R., dan Emmerling, F., 2012, Formation Mechanism of Colloidal Silver Nanoparticles: Analogies and Differences to the Growth of Gold Nanoparticles, *ACS Nano*, 6, 5791-5802.
- Ponarulselvam, S., Panneerselvam, C., Murugan, K., Aarthi, N., Kalimuthu, K., dan Thangamani, S., 2011, Synthesis of Silver Nanoparticles Using Leaves of *Cataharanthus roseus* Linn. G. Don and Their Antiplasmodial Activities. *Asian Pac. J. Trop. Biomed.*, 574-580.
- Ratnarathorn, N., Chailapakul, O., Henry, C.S., dan Dungchai, W., 2012, Simple Silver Nanoparticle Colorimetric Sensing for Copper by Paper-Based Devices, *Talanta*, 99, 552-557.
- Raveendran, P., Fu, J., dan Wallen, S.L., 2003, Completely "Green" Synthesis and Stabilization of Metal Nanoparticles, *J. Am. Chem. Soc.*, 125, 13940-13941.
- Ravindran, A., Elavarasi, M., Prathna, T.C., Raichur, A.M., Chandrasekaran, N., dan Mukherjee, A., 2012, Selective Colorimetric Detection of Nanomolar Cr(VI) in Aqueous Solution Using Unmodified Silver Nanoparticles, *Sens. Actuators, B.*, 166-167, 365-371.
- Rembaum, A., Hadek, V., dan Yen, S.P.S., 1971, Electron Transfer to Bipyridilium (Paraquat) Salts, *J. Am. Chem. Soc.*, 93, 2532-2534.
- Roberts, T.R., Dyson, J.S., dan Lane, M.C.G., 2002, Deactivation of the Biological Activity of Paraquat in the Soil Environment: A Review of Long-Term Environmental Fate. *J. Agric. Food Chem.*, 50, 3623-3631.
- Roldan, M.L., Corrado, G., Francioso, O., dan Sanchez-Cortes, S., 2011, Interaction of Soil Humic Acids with Herbicide Paraquat Analyzed by Surface-Enhanced Raman Scattering and Fluorescence Spectroscopy on Silver Plasmonic Nanoparticles, *Anal. Chim. Acta*, 699, 87-95.

- Rycenga, M., Cogley, C.M., Zeng, J., Li, W., Moran, C.H., Zhang, Q., Qin, D., dan Xia, Y., 2011, Controlling the Synthesis and Assembly of Silver Nanostructure for Plasmonic Applications, *Chem. Rev.*, 111, 3669-3712.
- Sachdev, D., Kumar, V., Maheshwari, P.H., Pasricha, R., Deepthi, dan Baghel, N., 2016, Silver Based Nanomaterial, As A Selective Colorimetric Sensor for Visual Detection of Post Harvest Spoilage in Onion, *Sens. Actuators, B*, 228, 471-479.
- Sal'nikov, D.S., Pogorelov, A.S., Makarov, S.V., dan Vashurina, I.Yu., 2009, Silver Ion Reduction with Peat Fulvic Acids, *Russ. J. Appl. Chem.*, 82, 545-548.
- Sanchez-Cortez, S., dan Garcia-Ramos, J.V., 2000, Adsorption and Chemical Modification of Phenols on Silver Surface. *J. Colloid Interface Sci.*, 231, 98-106.
- Santosa, S.J., Sundari, S., Sudiono, S., dan Rahmanto, W.H., 2006, A New Type of Adsorbent Based on the Immobilization of Humic Acid on Chitin and Its Application to Adsorb Cu(II), *e-J. Surf. Sci. Nanotech.*, 4, 46-52.
- Senesi, N., D'Orazio, V., dan Miano, T.M., 1995, Adsorption Mechanisms of S-Triazine and Bipyridylum Herbicides on Humic Acids from Hop Field Soils, *Geoderma*, 66, 273-283.
- Shivhare, P. dan Gupta, V.K., 1991, Spectrophotometric Method for the Determination of Paraquat in Water, Grain, and Plant Materials, *Analyst*, 116, 391-393.
- Shrivastava, K., Sahu, S., Patra, G.K., Jaiswal, N.K., dan Shankar, R., 2016, Localized Surface Plasmon Resonance of Silver Nanoparticles for Sensitive Colorimetric Detection of Chromium in Surface Water, Industrial Waste Water and Vegetable Samples, *Anal. Methods*, 8, 2088-2096.
- Shukla, V.K., Yadav, R.S., Yadav, P., dan Pandeya, A.C., 2012, Green Synthesis of Nanosilver as a Sensor for Detection of Hydrogen Peroxide in Water, *J. Hazard Mater.*, 213-214, 161-166.
- Stamplecoskie, K.G. dan Scaiano, J.C., 2010, Light Emitting Diode Irradiation Can Control the Morphology and Optical Properties of Silver Nanoparticles, *J. Am. Chem. Soc.*, 132, 1825-1827.
- Sulistiaawaty, L., Sugiarti, S., dan Darmawan, N., (2015). Detection of Hg²⁺ Metal Ions Using Silver Nanoparticles Stabilized by Gelatin and Tween-20. *Indones. J. Chem.*, 15, 1-8.
- Sun, Y., dan Xia, Y., 2002, Shape-Controlled Synthesis of Gold and Silver Nanoparticles. *Science*, 298, 2176-2179.

- Susilowati, E., Triyono, Santosa, S.J., dan Kartini, I., 2015, Synthesis of Silver-Chitosan Nanocomposites Colloidal by Glucose as Reducing Agent. *Indones. J. Chem.*, 15, 29-35.
- Szunerits, S., dan Boukherroub, R., 2012, Sensing Using Localised Surface Plasmon Resonance Sensor, *Chem. Commun.*, 48, 8999-9010.
- Takesue, M., Tomura, T., Yamada, M., Hata, K., Kuwamoto, S., dan Yonezawa, T., 2011, Size of Elementary Clusters and Process Period in Silver Nanoparticle Formation, *J. Am. Chem. Soc.*, 133, 14164-14167.
- Takino, M., Daishima, S., dan Yamaguchi, K., 2000, Determination of Diquat and Paraquat in Water by Liquid Chromatography/Electrospray-Mass Spectrometry Using Volatile Ion-Pairing Reagents. *Anal. Sci.*, 16, 707-711.
- Taylor, J.K., 1983, Validation of Analytical Methods, *Anal. Chem.*, 55, 600A-608A.
- Tejamaya, M., Romer, I., Merrifield, R.C., dan Lead, J.R., 2012, Stability of Citrate, PVP, and PEG Coated Silver Nanoparticles in Ecotoxicology Media, *Environ. Sci. Technol.*, 46, 7011-7017.
- Turkevich, J., Stevenson, P.C., dan Hillier, J., 1951, A study of the Nucleation and Growth Processes in the Synthesis of Colloidal Gold, *J. Discuss. Faraday Soc.*, 11, 55-75.
- Vigneshwaran, N., Nachane, R.P., Balasubramanya, R.H., dan Varadarajan, P.V., 2006, A Novel One-Pot Green Synthesis of Stable Silver Nanoparticles Using Soluble Starch. *Carbohydr. Res.*, 341, 2012-2018.
- Vilela, D., González, M.C., dan Escarpa, A., 2012, Sensing Colorimetric Approaches Based on Gold and Silver Nanoparticles Aggregation: Chemical creativity behind the assay. A review, *Anal. Chim. Acta*, 751, 24-43.
- Wang, H., Qiao, X., Chen, J., Wang, X., dan Ding, S., 2005, Mechanisms of PVP in the Preparation of Silver Nanoparticles, *Mater. Chem. Phys.*, 94, 449-453.
- Wang, Y., Li, Y.S., Zang, Z., dan An, D., 2003, Surface-Enhanced Raman Scattering of Some Water Insoluble Drugs in Silver Hydrosols. *Spectrochim. Acta, Part A*, 59, 589-594.
- Watts, M., 2011., *Paraquat*, Pesticide Action Network Asia & The Pacific.
- Wei, H., Abtahi, S.M.H., dan Vikesland, P.J., 2015, Plasmonic Colorimetric and SERS Sensors for Environmental Analysis, *Environ. Sci.: Nano*, 2, 120-135.

- White, B.G., 1969, Bipyridylum Quaternary Salts and Related Compounds. Part 3-Weak Intermolecular Charge-Transfer Complexes of Biological Interest, Occuring in Solution and Involving Paraquat. *Trans. Faraday Soc.*, 65, 2000-2015.
- Wiley, B., Sun, Y., Chen, J., Cang, H., Li, Z.Y., Li, X. dan Xia, Y., 2005, Shape-Controlled Synthesis of Silver and Gold Nanostructures, *MRS Bulletin* 30, 356-361.
- Wu, X., Xu, Y., Dong, Y. Jiant, X., dan Zhu, N., 2013, Colorimetric Determination of Hexavalent Chromium with Ascorbic Acid Capped Silver Nanoparticles, *Anal. Methods*, 5, 560-565.
- Xavier, S.J.S., Selvakumar, M.S., Anand, P.D., dan Pius, A., 2013, Naked Eye Sensing of Hg(II) Using β -cyclodextrin Functionalized Silver Nanoparticles, *Sci. Acta Xaver.*, 4, 103-110.
- Yang, J., Yin, H., Jia., dan Wei, Y., 2011, Facile Synthesis of High-Concentration, Stable Aqueous Dispersions of Uniform Silver Nanoparticles Using Aniline as a Reductant, *Langmuir*, 27, 5047–5053.
- Yoosaf, K., Ipe, B.I., Suresh, C.H., dan Thomas, K.G., 2007. In Situ Synthesis of Metal Nanoparticles and Selective Naked-Eye Detection of Lead Ions from Aqueous Media, *J. Phys. Chem. C*, 111, 12839-12847.
- Yuen. S.H., Bagness, J.E., dan Myles, D., 1967, Spectrophotometric Determination of Diquat and Paraquat in Aqueous Herbicide Formulations, *Analyst*, 92, 375-381.
- Zargar, M., Hamid, A.A., Bakar, F.A., Shamsudin, M.N., Shameli, K., Jahanshiri, F., dan Farahani, F., 2011, Green Synthesis and Antibacterial Effect of Silver Nanoparticles Using *Vitex negundo* L. *Molecules*. 16, 6667-6676.