

DAFTAR PUSTAKA

www.itk.ac.id

- Abhitosh, M dan Kumar, P.S. (2018), *Gold Nanoparticles: Plasmonic Aspects and Applications*, Empyrean Publishing House.
- Ahmed, R.H., Mustafa, D.E. (2020), "Green synthesis of silver nanoparticles mediated by traditionally used medicinal plants in Sudan". *Int. Nano Lett.* 10, 1–14.
- Akintelu, S.A., Bo, Y., Folorunso, A.S. (2020), "A Review on Synthesis, Optimization, Mechanism, Characterization, and Antibacterial Application of Silver Nanoparticles Synthesized from Plants", *J. Chem.* 2020, 1–12.
- Bachheti, R. K., Fikadu, A., Bachheti, A., & Husen, A., (2020), "Biogenic fabrication of nanomaterials from flower-based chemical compounds, characterization and their various applications: a review", *Saudi Journal of Biological Sciences*, 27(10), 2551-2562.
- Balouiri, M., Sadiki, M., Ibsouda, S.K. (2016), "Methods for in vitro evaluating antimicrobial activity: A review", *J. Pharm. Anal.* 6, 71–79.
- Begum, R., Farooqi, Z.H., Naseem, K., Ali, F., Batool, M., Xiao, J., Irfan, A. (2018), "Applications of UV/Vis Spectroscopy in Characterization and Catalytic Activity of Noble Metal Nanoparticles Fabricated in Responsive Polymer Microgels: A Review", *Crit. Rev. Anal. Chem.* 48, 503–516.
- Belgis, M., Wijaya, C.H., Apriyantono, A., Kusbiantoro, B., Yuliana, N.D. (2017), "Volatiles and aroma characterization of several lai (*Durio kutejensis*) and durian (*Durio zibethinus*) cultivars grown in Indonesia", *Sci. Hortic.* 220, 291–298.
- Berthomieu, C., Hienerwadel, R., (2009), "Fourier transform infrared (FTIR) spectroscopy", *Photosynth. Res.* 101, 157–170.
- Brock, T. D. (1961). Chloramphenicol. *Bacteriological Reviews*, 25(1), 32-48.
- Chand, K., Cao, D., Eldin Fouad, D., Hussain Shah, A., Qadeer Dayo, A., Zhu, K., Nazim Lakhan, M., Mehdi, G., Dong, S. (2020), "Green synthesis, characterization and photocatalytic application of silver nanoparticles synthesized by various plant extracts" *Arab. J. Chem.* 13, 8248–8261.

- Chen, Z., Deutsch, T.G., Dinh, H.N., Domen, K., Emery, K., Forman, A.J., Gaillard, N., Garland, R., Heske, C., Jaramillo, T.F., Kleiman-Shwarsctein, A., Miller, E., Takanabe, K., Turner, J. (2013), "UV-Vis Spectroscopy, in: Photoelectrochemical Water Splitting, SpringerBriefs in Energy", Springer New York, New York, NY, pp. 49–62.
- Chung, I.-M., Park, I., Seung-Hyun, K., Thiruvengadam, M., Rajakumar, G. (2016), "Plant-Mediated Synthesis of Silver Nanoparticles: Their Characteristic Properties and Therapeutic Applications", *Nanoscale Res. Lett.* 11, 40.
- Cruz, D., Falé, P.L., Mourato, A., Vaz, P.D., Luisa Serralheiro, M., Lino, A.R.L. (2010), "Preparation and physicochemical characterization of Ag nanoparticles biosynthesized by *Lippia citriodora* (Lemon Verbena)", *Colloids Surf. B Biointerfaces* 81, 67–73.
- Devatha, C.P., Thalla, A.K. (2018), "Green Synthesis of Nanomaterials, in: Synthesis of Inorganic Nanomaterials", Elsevier, pp. 169–184.
- Donga, S., Chanda, S. (2021), "Facile green synthesis of silver nanoparticles using *Mangifera indica* seed aqueous extract and its antimicrobial, antioxidant and cytotoxic potential (3-in-1 system)", *Artif. Cells Nanomedicine Biotechnol.* 49, 292–302.
- Fiana, F.M., Kiromah, N.Z.W., Purwanti, E. (2020), "Aktivitas Antibakteri Ekstrak Etanol Daun Sukun (*Artocarpus altilis*) Terhadap Bakteri *Staphylococcus aureus* Dan *Escherichia coli*", *Pharmakon J. Farm. Indones.* 10–20.
- Fujita, S. (2013). *Organic chemistry of photography*. Springer Science & Business Media.
- Gahlawat, G., Choudhury, A.R., (2019), "A review on the biosynthesis of metal and metal salt nanoparticles by microbes", *RSC Adv.* 9, 12944–12967.
- Halima dan Archna. (2016), "A Review on Green Synthesis of Silver Nanoparticle, Characterization and Optimization Parameters", *Int. J. Res. Eng. Technol.* 05, 49–53.
- Handayani, W., Ningrum, A.S., Imawan, C. (2020), "The Role of pH in Synthesis Silver Nanoparticles Using *Pometia pinnata* (Matoa) Leaves Extract as

- Bioreductor", J. Phys. Conf. Ser. 1428, 012021.
- Huq, Md.A., Ashrafudoulla, Md., Rahman, M.M., Balusamy, S.R., Akter, S. (2022), "Green Synthesis and Potential Antibacterial Applications of Bioactive Silver Nanoparticles: A Review", *Polymers* 14, 742.
- Ijaz, I., Gilani, E., Nazir, A., Bukhari, A., (2020), "Detail review on chemical, physical and green synthesis, classification, characterizations and applications of nanoparticles", *Green Chem. Lett. Rev.* 13, 223–245.
- Ivan Fadillah, Anggi Arumsari. (2022), "Kajian Literatur Sintesis Nanopartikel Perak Menggunakan Reduktor Kimia dan Biologi serta Uji Aktivitas Antibakteri", *J. Ris. Farm.* 1, 141–149.
- Jabeen, S., Qureshi, R., Munazir, M., Maqsood, M., Munir, M., Shah, S.S.H., Rahim, B.Z., (2021), "Application of green synthesized silver nanoparticles in cancer treatment—a critical review", *Mater. Res. Express* 8, 092001.
- Jadoun, S., Arif, R., Jangid, N.K., Meena, R.K., (2021), "Green synthesis of nanoparticles using plant extracts: a review", *Environ. Chem. Lett.* 19, 355–374.
- Jain, A.S., Pawar, P.S., Sarkar, A., Junnuthula, V., Dyawanapelly, S. (2021), "Bionanofactories for Green Synthesis of Silver Nanoparticles: Toward Antimicrobial Applications", *Int. J. Mol. Sci.* 22, 11993.
- Jufri, M., . M., Humairah, E., Purwaningsih, E.H., (2017), " Stability Of AntiAcne Niosome Gels Containing Betel Leaf (*Piper Betle L.*) Essential Oil", *Int. J. Appl. Pharm.* 9, 130.
- Julianto, T.S. (2019), *Fitokimia: Tinjauan Metabolit Sekunder dan Skrining Fitokimia*, Universitas Islam Indonesia. Yogyakarta
- Kaabipour, S., Hemmati, S., (2021), "A review on the green and sustainable synthesis of silver nanoparticles and one-dimensional silver nanostructures", *Beilstein J. Nanotechnol.* 12, 102–136.
- Kanniah, P., Radhamani, J., Chelliah, P., Muthusamy, N., Joshua Jebasingh Sathiya Balasingh, E., Reeta Thangapandi, J., Balakrishnan, S., Shanmugam, R. (2020), "Green Synthesis of Multifaceted Silver Nanoparticles Using the Flower Extract of *Aerva lanata* and Evaluation of

- Its Biological and Environmental Applications", *ChemistrySelect* 5, 2322–2331.
- Khalil, M.M.H., Ismail, E.H., El-Baghdady, K.Z., Mohamed, D. (2014), "Green synthesis of silver nanoparticles using olive leaf extract and its antibacterial activity", *Arab. J. Chem.* 7, 1131–1139.
- Khrisnan, E. M., V. (2016), "Green Synthesis of Silver Nanoparticles Using Piper nigrum Concoction and its Anticancer Activity against MCF-7 and Hep-2 Cell Lines", *J. Antimicrob. Agents* 2.
- Kosimaningrum, W. E., Pitaloka, A. B., Hidayat, A. S., Aisyah, W., Ramadhan, S., & Rosyid, M. A., (2020), "Sintesis Perak Nanopartikel Melalui Reduksi Spontan Menggunakan Reduktor Alami Ekstrak Kulit Lemon Serta Karakterisasinya Sebagai Antifungi Dan Antibakteri", *Jurnal Integrasi Proses*, 9(2), 34-43.
- Kumar Bachheti, R., Fikadu, A., Bachheti, A., Husen, A., (2020,) "Biogenic fabrication of nanomaterials from flower-based chemical compounds, characterization and their various applications: A review", *Saudi J. Biol. Sci.* 27, 2551–2562.
- Lakhsamanan., A., S., P.T., K., K., M., (2018), "Plant-mediated synthesis of silver nanoparticles using fruit extract of *Cleome viscosa* L.: Assessment of their antibacterial and anticancer activity", *Karbala Int. J. Mod. Sci.* 4, 61–68.
- Manurung, H., Susanto, D., Kusumawati, E., Aryani, R., Nugroho, R. A., Kusuma, R., Sari, R. D., (2022), "Phytochemical, GC-MS analysis and antioxidant activities of leaf methanolic extract of *Lai* (*Durio kutejensis*), the endemic plant of Kalimantan, Indonesia", *Biodiversitas Journal of Biological Diversity*, 23(11).
- Marimuthu, S., Antonisamy, A.J., Malayandi, S., Rajendran, K., Tsai, P.-C., Pugazhendhi, A., Ponnusamy, V.K., (2020), "Silver nanoparticles in dye effluent treatment: A review on synthesis, treatment methods, mechanisms, photocatalytic degradation, toxic effects and mitigation of toxicity", *J. Photochem. Photobiol. B* 205, 111823.
- Martiani, I., Rachmi, A., Mariani, R., (2021), "Isolasi dan Identifikasi Senyawa Antioksidan Daun *Lai* (*Durio kutejensis* (Hassk.) Becc.) dengan Metode

DPPH (2,2-Difenil-1-Pikrilhidrazil) 9".

- Mortazavi-Derazkola, S., (2021), "Green Synthesis and Characterization of Silver Nanoparticles Using *Elaeagnus angustifolia* Bark Extract and Study of Its Antibacterial Effect", *J. Polym. Environ.*
- Nikolova, M. (2019), " A Review Of Methods and Techniques For Characterization of Structure, Morphology and Dispersion Stability of Microcapsules", *Proceedings of University of Ruse*, volume 58, book 10.1
- Oktavia, I.N., Sutoyo, S. (2021), " Review Artikel; Sintesis Nanopartikel Perak Menggunakan Bioreduktor Ekstrak Tumbuhan Sebagai Bahan Antioksidan ", *Unesa J. Chem.* 10, 37–54.
- Pedroza-Toscano, M.A., López-Cuenca, S., Rabelero-Velasco, M., Moreno-Medrano, E.D., Mendizabal-Ruiz, A.P., Salazar-Peña, R. (2017), "Silver Nanoparticles Obtained by Semicontinuous Chemical Reduction Using Carboxymethyl Cellulose as a Stabilizing Agent and Its Antibacterial Capacity', *J. Nanomater.* 2017, 1–7.
- Rafique, M., Sadaf, I., Rafique, M.S., Tahir, M.B., (2017), "A review on green synthesis of silver nanoparticles and their applications", *Artif. Cells Nanomedicine Biotechnol.* 45, 1272–1291.
- Rafique, M., Sadaf, I., Tahir, M. B., Rafique, M. S., Nabi, G., Iqbal, T., & Sughra, K. (2019), "Novel and facile synthesis of silver nanoparticles using *Albizia procera* leaf extract for dye degradation and antibacterial applications", *Materials Science and Engineering: C*, 99, 1313-1324.
- Shah, S.S., Shaikh, M.N., Khan, M.Y., Alfasane, Md.A., Rahman, M.M., Aziz, Md.A., (2021), "Present Status and Future Prospects of Jute in Nanotechnology: A Review", *Chem. Rec.* 21, 1631–1665.
- Stetefeld, J., McKenna, S.A., Patel, T.R., (2016), "Dynamic light scattering: a practical guide and applications in biomedical sciences", *Biophys. Rev.* 8, 409–427.
- Tajalla, G.U.N., Fakhruddin, M.A., Asmoro, A., Basuki, A., Wibowo, A., (2021), "The Influence of Ph on Green Synthesis of Honey-Mediated Silver Nanoparticles", *Key Eng. Mater.* 891, 83–88.
- Taurina, W., Sari, R., Hafinur, U.C., Wahdaningsih, S., Isnindar, I., (2017),

"Optimizing of Stirring Speed and Stirring Time Toward Nanoparticle Size OF Chitosan-Siam Citrus Peel (Citrus nobilis L.var Microcarpa) 70% Ethanol Extract", *Maj. Obat Tradis.* 22, 16.

Tomaszewska, E., Soliwoda, K., Kadziola, K., Tkacz-Szczesna, B., Celichowski, G., Cichomski, M., Szmaja, W., Grobelny, J. (2013), "Detection Limits of DLS and UV-Vis Spectroscopy in Characterization of Polydisperse Nanoparticles Colloids", *J. Nanomater.* 2013, 1–10.

Tran, Q.H., Nguyen, V.Q., Le, A.-T., (2018), "Corrigendum: Silver nanoparticles: synthesis, properties, toxicology, applications and perspectives", (*Adv. Nat. Sci: Nanosci. Nanotechnol.* . 4033001). *Adv. Nat. Sci. Nanosci. Nanotechnol.* 9, 049501.

Vanlalveni, C., Lallianrawna, S., Biswas, A., Selvaraj, M., Changmai, B., Rokhum, S.L., (2021), "Green synthesis of silver nanoparticles using plant extracts and their antimicrobial activities: a review of recent literature", *RSC Adv.* 11, 2804–2837.

Zeng, Y., Priest, C., Wang, G., & Wu, G. (2020). Restoring the nitrogen cycle by electrochemical reduction of nitrate: progress and prospects. *Small Methods*, 4(12), 2000672.