

DAFTAR PUSTAKA

- Amin, M., Anwar, F., Janjua, M. R. S. A., Iqbal, M. A., & Rashid, U. (2012). Green synthesis of silver nanoparticles through reduction with *Solanum xanthocarpum* L. berry extract: Characterization, antimicrobial and urease inhibitory activities against *Helicobacter pylori*. *International Journal of Molecular Sciences*, *13*(8), 9923–9941. <https://doi.org/10.3390/ijms13089923>
- Arulkumar, S., & Sabesan, M. (2012). The behavioral performance tests of *Mucuna pruriens* gold nanoparticles in the 1-methyl 4-phenyl-1,2,3,6-tetrahydropyridine treated mouse model of Parkinsonism. *Asian Pacific Journal of Tropical Disease*, *2*(SUPPL.1), S499–S502. [https://doi.org/10.1016/S2222-1808\(12\)60210-2](https://doi.org/10.1016/S2222-1808(12)60210-2)
- Bagewadi, H. G., & Ak, A. K. (2015). Investigation of antiparkinsonian effect of *Aloe vera* on haloperidol induced experimental animal model. *Indian Journal of Pharmaceutical and Biological Research (IJPBR)*, *3*(1), 108–113.
- Banasikowski, T. J., & Beninger, R. J. (2012). Haloperidol conditioned catalepsy in rats: a possible role for D1-like receptors. *The International Journal of Neuropsychopharmacology*, *15*(10), 1525–1534. <https://doi.org/10.1017/S1461145711001696>
- Banu, Z., Fatima, S. J., Fatima, A., Fatima, S., Zohra, F., & Sultana, T. (2016). Phytochemical Evaluation and Pharmacological Screening of Antiparkinson's Activity of *Allium Sativum* In Swiss/Albino Mice. *IOSR Journal of Pharmacy*, *6*(6), 1–12.
- Bisht, R., Bhattacharya, S., Jaliwala, Y. A., Chatterjee, C., Auddy, S., Chaudhuri, S., ... Ulatkambal, A. L. (2010). *Indian Medicinal Plants*. (C. P. Khare, Ed.), *Der Pharmacia Sinica* (Vol. 2). <https://doi.org/10.1007/978-0-387-70638-2>
- Bose, A., Keharia, H., & Deshpande, M. P. (2013). Eco-Friendly Phyto-Synthesis of Silver Nanoparticles Using *Jatropha* seed cake Extract. *Chinese Physics Letters*, *30*(12), 128103. <https://doi.org/10.1088/0256-307X/30/12/128103>
- Chitra, V., Manasa, K., Mythili, A., Tamilanban, T., & Gayathri, K. (2017). Effect of Hydroalcoholic Extract of *Achyranthes Aspera* on Haloperidol- Induced Parkinson's Disease in Wistar Rats. *Asian Journal of Pharmaceutical and Clinical Research*, *10*(9), 1–4.
- Connolly, B. S., & Lang, A. E. (2014). Pharmacological Treatment of Parkinson Disease. *Jama*, *311*(16), 1670. <https://doi.org/10.1001/jama.2014.3654>
- Dauer, W., & Przedborski, S. (2003). Parkinson's disease: Mechanisms and models. *Neuron*, *39*(6), 889–909. [https://doi.org/10.1016/S0896-6273\(03\)00568-3](https://doi.org/10.1016/S0896-6273(03)00568-3)
- Deokar, G., Kakulte, H., & Kshirsagar, S. (2016). Phytochemistry and pharmacological activity of *Mucuna pruriens*: a riview. *Pharmaceutical Neng Sri Mulkiyatul M.A*, 2017

AKTIVITAS ANTIPARKINSON DARI PERAK-EKSTRAK BIJI KARABENGGUK (*Mucuna pruriens* Linnvar. *Utilis*)-NANOPARTIKEL (*AgMPn*)

Universitas Pendidikan Indonesia | repository.upi.edu | perpustakaan.upi.edu

and Biological Evaluation, 3(1), 50–59. Retrieved from <http://www.onlinepbe.com/index.php/PBE/article/viewFile/69/pdf315>

Neng Sri Mulkiyatul M.A, 2017

AKTIVITAS ANTIPARKINSON DARI PERAK-EKSTRAK BIJI KARABENGGUK (Mucuna pruriens Linnvar. Utilis)-NANOPARTIKEL (AgMPn)

Universitas Pendidikan Indonesia | repository.upi.edu | perpustakaan.upi.edu

- Divya, S., Kavimani, S., Rani, S. S., Subashree, S., Kumar, S. P., Mahalakshmi, G., ... Sivassoupramanian, D. (2014). Parkinson's Disease: A Phytochemical Approach. *International Journal of Pharmacy Review and Research*, 4(1), 111–119.
- Dorsey, E., Constantinescu, R., Thompson, J., Biglan, K., Holloway, R., & Kieburtz, K. (2007). Projected number of people with Parkinson disease in the most populous nations, 2005 through 2030. *Neurology*, 68, 384–386. <https://doi.org/10.1212/01.wnl.0000271777.50910.73>
- Erfianty, D. D. (2016). *Sintesis Nanopartikel Magnetite-Ekstrak Biji Karabenguk (Mucuna pruriens Linn var. Utilis) Indonesia dan Uji Potensinya dalam Menurunkan Gejala Katalepsi pada Mencit*. (Skripsi). Fakultas Pendidikan Matematika dan Ilmu Pengetahuan Alam, Universitas Pendidikan Indonesia, Bandung.
- Fernandez, H. H. (2012). Updates in the medical management of Parkinson disease. *Cleveland Clinic Journal of Medicine*, 79(1), 28–35. <https://doi.org/10.3949/ccjm.78gr.11005>
- Fessenden, R. J., & Fessenden, J. S. (1982). *Kimia Organik*. (A. H. Pudjaatmaka, Ed.) (Edisi Ketiga). Jakarta: Erlangga.
- Foldbjerg, R. B., & Autrup, H. (2013). Mechanisms of Silver Nanoparticle Toxicity. *Archives of Basic and Applied Medicine*, 1(1), 5–15.
- Ge, L., Li, Q., Wang, M., Ouyang, J., Li, X., & Xing, M. M. Q. (2014). Nanosilver particles in medical applications: Synthesis, performance, and toxicity. *International Journal of Nanomedicine*, 9(1), 2399–2407. <https://doi.org/10.2147/IJN.S55015>
- Ghosh, S., Patil, S., Ahire, M., Kitture, R., Kale, S., Pardesi, K., ... Chopade, B. A. (2012). Synthesis of silver nanoparticles using *Dioscorea bulbifera* tuber extract and evaluation of its synergistic potential in combination with antimicrobial agents. *International Journal of Nanomedicine*, 7, 483–496. <https://doi.org/10.2147/IJN.S24793>
- Gupta, K., Jana, P. C., & Meikap, A. K. (2010). Optical and electrical transport properties of polyaniline-silver nanocomposite. *Synthetic Metals*, 160(13–14), 1566–1573. <https://doi.org/10.1016/j.synthmet.2010.05.026>
- Hanifah, M. (2013). *Pengaruh Ekstrak Biji Korobenguk Hasil Soxhletasi Terhadap Gejala Penyakit Parkinson*. (Skripsi). Fakultas Pendidikan Matematika dan Ilmu Pengetahuan Alam, Universitas Pendidikan Indonesia, Bandung.
- Hendayana, S., Kadarohman, A., Sumarna, A., & Supriatna, A. (1994). *Kimia Analitik Instrumen*. Semarang: IKIP Semarang Press.
- Huisden, C. M. (2008). *Detoxification, Nutritive Value, And Anthelmintic Properties of Mucuna pruriens*. (Disertasi). Philosophy, University of Florida, Florida.
- Hutapea, E. L. (2003). *Penyakit Parkinson Sebagai Salah Satu Etiologi Terjadinya Sialorroe*. (Skripsi). Fakultas Kedokteran Gigi, Universitas Sumatera Utara, Medan.
- Ittiyavirah, S. P. (2015). Protective Role of *Alternanthera Sessilis* (Linn.) Silver

Neng Sri Mulkiyatul M.A, 2017

AKTIVITAS ANTIPARKINSON DARI PERAK-EKSTRAK BIJI KARABENGGUK (*Mucuna pruriens* Linnvar. *Utilis*)-NANOPARTIKEL (AgMPn)

- Nanoparticles and Its Ethanolic Extract against Rotenone Induced Parkinsonism. *IOSR Journal of Pharmacy and Biological Sciences Ver. 1, 10(5)*, 2319–7676. <https://doi.org/10.9790/3008-10512532>
- Jegan, A., Ramasubbu, A., Kumar, S. V., Balamurugan, M., & Saravanan, S. (2011). Environmental Benign Synthesis and Characterization of Silver Nanoparticles Using Phyllostachys Sp Leaves Extract. *Journal of Nanomaterials*, 6(1), 325–330.
- Jones, D. R., Moussaoud, S., & McLean, P. (2014). Targeting heat shock proteins to modulate α -synuclein toxicity. *Therapeutic Advances in Neurological Disorders*, 7(1), 33–51. <https://doi.org/10.1177/1756285613493469>
- Jyoti, K., Baunthiyal, M., & Singh, A. (2016). Characterization of silver nanoparticles synthesized using *Urtica dioica* Linn. leaves and their synergistic effects with antibiotics. *Journal of Radiation Research and Applied Sciences*, 9(3), 217–227. <https://doi.org/10.1016/j.jrras.2015.10.002>
- Keat, C. L., Aziz, A., Eid, A. M., & Elmarzugi, N. A. (2015). Biosynthesis of nanoparticles and silver nanoparticles. *Bioresources and Bioprocessing*, 2(1), 47. <https://doi.org/10.1186/s40643-015-0076-2>
- Lampariello, L. R., Cortelazzo, A., Guerranti, R., Sticozzi, C., & Valacchi, G. (2012). The Magic Velvet Bean of *Mucuna pruriens*. *Journal of Traditional and Complementary Medicine*, 2(4), 331–339. [https://doi.org/10.1016/S2225-4110\(16\)30119-5](https://doi.org/10.1016/S2225-4110(16)30119-5)
- Majekodunmi, S. O., Oyagbemi, A. A., Umukoro, S., & Odeku, O. A. (2011). Evaluation of the anti-diabetic properties of *Mucuna pruriens* seed extract. *Asian Pacific Journal of Tropical Medicine*, 4(8), 632–636. [https://doi.org/10.1016/S1995-7645\(11\)60161-2](https://doi.org/10.1016/S1995-7645(11)60161-2)
- Misra, L., & Wagner, H. (2004). Alkaloidal constituents of *Mucuna pruriens* seeds. *Phytochemistry*, 65(18), 2565–2567. <https://doi.org/10.1016/j.phytochem.2004.08.045>
- Misra, L., & Wagner, H. (2007). Extraction of bioactive principles from *Mucuna pruriens* seeds. *Indian Journal of Biochemistry and Biophysics*, 44(1), 56–60.
- Pavia, D. L., Lampman, G. M., & Kriz, G. S. (2001). *Introduction to Spectroscopy third edition*. Wasington: Thomson Learning, Inc.
- Prabhu, S., & Poulouse, E. K. (2012). Silver nanoparticles: mechanism of antimicrobial action, synthesis, medical applications, and toxicity effects. *International Nano Letters*, 2(1), 32. <https://doi.org/10.1186/2228-5326-2-32>
- Salam, O. A., & Nada, S. (2011). Piracetam reverses haloperidol-induced catalepsy in mice. *Turkish Journal of Medical Sciences*, 41(4), 693–699. <https://doi.org/10.3906/sag-1006-870>
- Sardjono, R. E. K. O., Musthapa, I., Qowiyah, A., & Rachmawati, R. (2012). Physicochemical Composition of Indonesian Velvet Bean (*Mucuna pruriens* L.). *Global Journal of Research on Medical Plants & Indigenous Medicine*, 1(4), 101–108.

Neng Sri Mulkiyatul M.A, 2017

AKTIVITAS ANTIPARKINSON DARI PERAK-EKSTRAK BIJI KARABENGGUK (*Mucuna pruriens* Linnvar. *Utilis*)-NANOPARTIKEL (AgMPn)

- Sardjono, R. E., Musthapa, I., Sholihin, Subarnas, A., Herachandra, E., & Ardianto, F. N. (2016). Evaluation of antiparkinson's activity of indonesian velvet bean (*Mucuna pruriens*) extract. *ARPN Journal of Engineering and Applied Sciences*, *11*(18), 10856–10861.
- Saxena, A., Tripathi, R. M., Zafar, F., & Singh, P. (2012). Green synthesis of silver nanoparticles using aqueous solution of *Ficus benghalensis* leaf extract and characterization of their antibacterial activity. *Materials Letters*, *67*(1), 91–94. <https://doi.org/10.1016/j.matlet.2011.09.038>
- Setiabudi, A., Hardian, R., & Mudzakir, A. (2012). *Karakterisasi Material: Prinsip dan Aplikasinya dalam Penelitian Kimia*. Bandung: UPI PRESS.
- Setijono, M. M. (1985). *Mencit (Mus musculus) Sebagai Hewan Percobaan*. (Skripsi). Fakultas Kedokteran Hewan, Institut Pertanian Bogor, Bogor.
- Shameli, K., Ahmad, M. Bin, Jaffar Al-Mulla, E. A., Ibrahim, N. A., Shabanzadeh, P., Rustaiyan, A., ... Zidan, M. (2012). Green biosynthesis of silver nanoparticles using *Callicarpa maingayi* stem bark extraction. *Molecules*, *17*(7), 8506–8517. <https://doi.org/10.3390/molecules17078506>
- Singh, P. S., & Vidyasagar, G. M. (2014). Activity of Silver Nanoparticles Using Raamphal Plant (*Annona reticulata*) Aqueous Leaves Extract. *Indian Journal of Materials Science*, *2014*, 1-5. <https://doi.org/10.1155/2014/412452>
- Sironmani, A., & Daniel, K. (2008). Silver Nanoparticles–Universal Multifunctional Nanoparticles for Bio Sensing , Imaging for Diagnostics and Targeted Drug Delivery for Therapeutic Applications. *Drug Discovery and Developmen-Present and Future*, 465–488. <https://doi.org/10.5772/27047>
- Sitompul, A. (1996). *Efek Proses Metalurgi Serbuk dan Pengerolan terhadap Struktur Mikro Inti Elemen Bakar Dispersi U3Si2 - Al*. (Tesis). Institut Teknologi Bandung, Bandung.
- Sorescu, A.-A., Nuță, A., Ion, R.-M., & Ioana-Raluca, Ș.-B. (2016). Green synthesis of silver nanoparticles using plant extracts, (Juni 2016), 188–193. <https://doi.org/10.18638/scieconf.2016.4.1.386>
- Sotiriou, G. A., & Pratsinis, S. E. (2011). Engineering nanosilver as an antibacterial, biosensor and bioimaging material. *Current Opinion in Chemical Engineering*, *1*(1), 3–10. <https://doi.org/10.1016/j.coche.2011.07.001>
- Soumya, R. S., & Hela, P. G. (2013). Nano silver based targeted drug delivery for treatment of cancer. *Scholars Research Library*, *5*(4), 189–197.
- Sree, V., Udayasri, P., Aswani, V. V. Y., B, R. B., & Phani, Y. (2010). Advancements in the Production of Secondary Metabolites. *Journal of Natural Products*, *3*, 112–123. Retrieved from http://journalofnaturalproducts.com/Volume3/14_Res_paper-13.pdf
- Subarnas, A., Tanado, T., Nakahata, N., Arai, Y., Kinemuchi, H., Oshima, Y., ... Ohizumi, Y. (1993). A Possible Mecanism of Antidepressant Activity of Beta-Amyrin Palmite Isolated From *Lobelia inflata* Leaves In The Forced Swimming Test. *Life Sciences*, *52*(3), 289–296. <https://doi.org/10.1016/>

Neng Sri Mulkiyatul M.A, 2017

AKTIVITAS ANTIPARKINSON DARI PERAK-EKSTRAK BIJI KARABENGGUK (Mucuna pruriens Linnvar. Utilis)-NANOPARTIKEL (AgMPn)

0024-3205(93)90220-W

- Suganda, P. A. (2016). *Sintesis dan Uji Katalapsi Nanopartikel Zn-Ekstrak Biji Karabenguk (Mucuna pruriens var. utilis) Indonesia*. (Skripsi). Fakultas Pendidikan Matematika dan Ilmu Pengetahuan Alam, Universitas Pendidikan Indonesia, Bandung.
- Swathy, B. (2014). A Review on Metallic Silver Nanoparticles. *IOSR Journal Of Pharmacy*, 4(7), 2250–3013. <https://doi.org/10.9790/3013-0407038044>
- Taylor, L. (2003). Technical Data Report for Velvet Bean *Mucuna pruriens*. *Herbal Secrets of the Rainforest, 2nd Edition*.
- Verma, S. ., Vashishth, E., Singh, R., Pant, P., & Padhi, M. M. (2014). a Review on Phytochemistry and Pharmacological Activity of Parts of *Mucuna pruriens* Used As an, 3(5), 138–158.
- Williams, D. B., & Carter, C. B. (2009). *Transmission electron microscopy: a text book for materials science*. USA: Spinger.
- World Health Organisation (WHO). (2013). WHO Traditional Medicine Strategy 2014-2023. *World Health Organization (WHO)*, 1–76. <https://doi.org/2013>
- Yoosaf, K. (2008). *Supramolecular Organization of Metal Nanoparticles in Solution and of Phenyleneethynylenes on Surfaces*. National Institute For Interdisciplinary Science and Technology (CSIR), Kerala, India.

Neng Sri Mulkiyatul M.A, 2017

AKTIVITAS ANTIPARKINSON DARI PERAK-EKSTRAK BIJI KARABENGGUK (*Mucuna pruriens* Linnvar. *Utilis*)-NANOPARTIKEL (AgMPn)

Universitas Pendidikan Indoenesia | repository.upi.edu | perpustakaan.upi.edu