

## DAFTAR PUSTAKA

- Abdassah, M. (2017). Nanopartikel Dengan Gelasi Ionik Farmaka; 15 (1): 45-52. 15, 45–52.
- Ahmed, T., Ahmar, S., Wu, Y., & Zhou, Y. (2020). Tissue culture as a plant production technique for horticultural crops: A review. *Horticulturae*, 6(4), 72. <https://doi.org/10.3390/horticulturae6040072>
- Aisyah, S., et al. (2021). Pengaruh Pupuk AB Mix terhadap Pertumbuhan dan Perkembangan Tanaman Anggrek *Macodes petola* dalam Kultur Jaringan. *Jurnal INSTIPER*, 8(1), 45–52. <https://doi.org/10.26418/jspe.v10i1.44026>
- Akbar, A. (2021). Penggunaan dan Nilai Ekonomi dari Tanaman *Aglaonema* sp. di Kalangan Pedagang Tanaman Hias Sekitar Cengkareng dan Pulo Gadung. *Jurnal Bios Logos*, 11(2), 122–128. <https://doi.org/10.35799/jbl.v11i2.34411>
- Alvarez, A. J., Pérez, J. A., & García, M. T. (2019). Silver nanoparticles in plant tissue culture: A review. *Plant Cell, Tissue and Organ Culture*, 137(3), 447–460. <https://doi.org/10.1007/s11240-019-01582-3>
- Anggraini, M. W., Stiado, H., & Damanik, R. I. M. (2018). Pengaruh Kolkisin Terhadap Keragaman Genotip dan Fenotip Tanaman Aglaonema (*Aglaonema colchinchense schott.*) Varietas Lady Valentine. *Jurnal Agroekoteknologi FP USU*, 6(3), 599–608.
- Ariningsih, E. (2016). Prospek Penerapan Teknologi Nano dalam Pertanian dan Pengolahan Pangan di Indonesia. *Forum Penelitian Agro Ekonomi*, 34(1), 1. <https://doi.org/10.21082/fae.v34n1.2016.1-20>
- Ariyanta, H. A. (2016). Preparasi Nanopartikel Perak Dengan Metode Reduksi Dan Aplikasinya Sebagai Antibakteri Penyebab Luka Infeksi. *Media Kesehatan Masyarakat Indonesia*, 10(1), 36–42. <https://doi.org/10.30597/mkmi.v10i1.477>
- Arsanti, I. A., & Subiantoro, A. W. (2021). Jurnal Pendidikan Biologi. *Jurnal Pendidikan Biologi*, 10(1), 24–31. <http://jurnal.unimed.ac.id/2012/index.php/JPB>
- Asgari-Targhi, G., Iranbakhsh, A., & Ardebili, Z. O. (2018). Influence of silver nanoparticles on growth and physiological characteristics of *Solanum lycopersicum* L. under in vitro conditions. *Plant Cell, Tissue and Organ Culture*, 132(3), 611–620. <https://doi.org/10.1007/s11240-017-1345-2>
- Atmaja, V. Y. (2015). Fakultas biologi universitas gadjah mada yogyakarta 2015.
- Auli, P., Subaedah, S., Ralle, A. 2022. Pengaruh Konsentrasi Pupuk Daun terhadap Pertumbuhan Tanaman Hias Aglonema Lipstik (*Aglaonema crispum*). *Jurnal AGrotekMAS* 3(1):62-73
- Baihaqi, M. B., Litanianda, Y., & Triyanto, A. (2022). Implementasi Tensor Flow Lite Pada Teachable Untuk Identifikasi Tanaman Aglonema Berbasis Android. *Komputek*, 6(1), 70. <https://doi.org/10.24269/jkt.v6i1.1143>

- Barakat, A. A., & Gaber, M. K. (2018). Micropropagation and ex vitro acclimatization of *aglaonema* plants. *Middle East Journal of Applied Sciences*, 8(4), 1425–1436.
- Basri, A. H. H. (2016). Kajian Pemanfaatan Kultur Jaringan Dalam Perbanyakan Tanaman Bebas Virus. *Agrica ekstensia*, 10(6), 64–73.
- Biba, R., Tkalec, M., Cvjetko, P., Peharec Štefanić, P., Šikić, S., Pavoković, D. i Balen, B. (2021). Silver nanoparticles affect germination and photosynthesis in tobacco seedlings. *Acta Botanica Croatica*, 80 (1), 1-11. <https://doi.org/10.37427/botcro-2020-029>
- Chakraborty, S., et al. (2020). Silver nanoparticles as a novel plant growth regulator: A review on their role in enhancing photosynthesis and cell division. *Journal of Nanotechnology in Agriculture*, 5(2), 45–52. <https://doi.org/10.1016/j.jna.2020.05.003>
- Chen, W. L., & Yeh, D. M. (2007). Elimination of in vitro contamination, shoot multiplication, and ex vitro rooting of *Aglaonema*. *HortScience*, 42(3), 629–632. <https://doi.org/10.21273/hortsci.42.3.629>
- Dewanti, P., Dhaniswari, E S., Handoyo, T., & Okviandari, P. (2023). Aklimatisasi Planlet TEBU (*Saccharum officinarum L.*) Dari Benih Sintetik Pada Beberapa Media Dan Konsentrasi Nutrisi. *Jurnal Agroqua*. 21(1), 46–55.
- Dewanto, H. A., Saraswati, D., & Hadjoeningtjas, O. D. (2019). Pertumbuhan Kultur Tunas Aksilar Kentang (*Solanum tuberosum L.*) Dengan Penambahan Super Fosfat Dan KNO<sub>3</sub> Pada Media AB Mix Secara *In Vitro*. *Agritech: Jurnal Fakultas Pertanian Universitas Muhammadiyah Purwokerto*, 20(2), 71. <https://doi.org/10.30595/agritech.v20i2.3991>
- Dewianti, P. (2018). Teknik Kultur Jaringan Tanaman: Prinsip Umum Dan Metode Aplikasi Di Bidang Bioteknologi Pertanian. *Efektifitas Penyalahan Gizi Pada Kelompok 1000 HPK Dalam Meningkatkan Pengetahuan Dan Sikap Kesadaran Gizi*, 1–146.
- Dewi S. I, Wahyuni K. D., Purnobasuki H. (2012). Perkembangan Kultur Daun *Aglaonema sp.* Var Siam Pearl, *Aglaonema sp.* Var. Lady Valentin Dan *Aglaonema sp.* Var. Lipstik Dengan Perlakuan Zat Pengatur Tumbuh IAA D dan BAP. *Berk. Penel. Hayati* No. 17, 197–203.
- Do, D. G., Dang, T. K. T., Nguyen, T. H. T., Nguyen, T. D., Tran, T. T., & Hieu, D. D. (2018). Effects of nano silver on the growth of banana (*Musa sp.*) cultured in vitro. *Journal of Vietnamese Environment*, 10(2), 92–98. <https://doi.org/10.13141/jve.vol10.no2.pp92-98>
- Dikayani, Hidayat, C., Amalia, S., Chaidir, L., Nuraini, A. 2019. Induksi Mata Tunas *Aglaonema sp* Varietas Siam Pearl dengan Media Dasar dan BAP (6-Benzyl Amino Purine) Secara *In Vitro*. Prosiding Seminar Nasional Agroteknologi 2019 Jurusan Agroteknologi Universitas Islam Negeri Sunan Gunung Djati Bandung, 2 Maret 2019

- Dwiyani, R. (2015). Kultur Jaringan Tanaman. In *Journal of Chemical Information and Modeling*. Pelawa Sari "Percetakan & Penerbit". ISBN: 978-602-8409-44-5, hal 25
- El-Gedawey, H., & Hussein, S. (2022). Micropropagation of *Aglaonema* 'Lady Valentine' by Axillary Shoots Explants. *Egyptian Academic Journal of Biological Sciences, H. Botany*, 13(2), 129–142.  
<https://doi.org/10.21608/eajbsh.2022.273593>
- Elsayh, M. M., El-Khateeb, A. Y., & El-Mahdy, M. T. (2022). Impact of silver nanoparticles on multiplication, rooting of shoots and biochemical analyses of date palm (Hayani cv.) by in vitro. *Journal of Genetic Engineering and Biotechnology*, 20(1), 1–10. <https://doi.org/10.1016/j.jgeb.2022.03.005>
- Erfa, L., Maulida, D., Sesanti, R. N., & Yuriansyah, Y. (2020). Keberhasilan Aklimatisasi dan Pembesaran Bibit Kompot Anggrek Bulan (*Phalaenopsis sp*) Pada Beberapa Kombinasi Media Tanam. *Jurnal Penelitian Pertanian Terapan*, 19(2), 122. <https://doi.org/10.25181/jppt.v19i2.1420>
- Fitroh, A. I., Dwiyani, R., Wijaya, I. K. A., & Yuswanti, H. (2018). Pengaruh 2,4-D terhadap Induksi Kalus Daun Stroberi (*Fragaria sp*) dengan Media Alternatif Nutrisi Hidroponik AB Mix. *E-Jurnal Agroekoteknologi Tropika*, 7(3), 304–315. <https://ojs.unud.ac.id/index.php/JAT>
- George, E. F., Hall, M. A., & De Klerk, G.-J. (2020). Plant Propagation by Tissue Culture (3rd ed.). Springer. <https://doi.org/10.1007/978-3-030-29448-3>.
- Gosavi, V. C., Daspute, A. A., Patil, A., Gangurde, A., Wagh, S. G., Sherkhane, A., & Deshmukh, V. A. (2020). Synthesis of green nanobiofertilizer using silver nanoparticles of *Allium cepa* extract Short title: Green nanofertilizer from Allium cepa. *International Journal of Chemical Studies*, 8(4), 1690–1694. <https://doi.org/10.22271/chemi.2020.v8.i4q.9854>
- Guzmán-Báez, A., Gómez-Merino, F. C., & Trejo-Téllez, L. I. (2021). Silver nanoparticles increase nitrogen, phosphorus, and potassium concentrations in leaves and stimulate root length and number of roots in tomato seedlings in a hormetic manner. *Dose-Response*, 19(4), 1–12. <https://doi.org/10.1177/15593258211044576>
- Hanum, U. F., Rahayu, Y. S., & Ratnasari, E. (2021). Pengaruh Atonik dan Filtrat Kulit Bawang Merah Terhadap Pertumbuhan dan Produktivitas Tanaman Bunga Matahari (*Helianthus annuus*). *LenteraBio : Berkala Ilmiah Biologi*, 9(1), 17–22. <https://doi.org/10.26740/lenterabio.v9n1.p17-22>
- Haryanto, L. I., Maulana, F. A., & Sukrianto, S. (2023). The impact of Covid-19 pandemic on *Aglaonema* farming income: a comparison between the height and the post trend. *Ornamental Horticulture*, 29(1), 87–98. <https://doi.org/10.1590/2447-536X.v29i1.2575>
- Hui, J., Wu, C., Li, X., Huang, L., Jiang, Y., & Zhang, B. (2023). The Effect of Light Availability on Photosynthetic Responses of Four *Aglaonema commutatum*

- Cultivars with Contrasting Leaf Pigment. *Applied Sciences*, 13(5), 3021. <https://doi.org/10.3390/app13053021>
- Huong, N. T., Thuy, T. T., & Ha, T. T. (2021). Influence of silver nanoparticles on in vitro micropropagation of banana (*Musa acuminata* L.). *Journal of Applied Horticulture*, 23(2), 120–126. <https://doi.org/10.37855/jah.2021.v23i02.22>
- Irsyadi, M.B. 2021. Factors That Effect of the Optimal Plantlet Growth from Tissue Culture on the Acclimatization Stage. *Proc. Internat. Conf. Sci. Engine.* 4:100-104.
- Julhendri, Hercules, & Fathurrahman. (2013). Aklimatisasi Tanaman Anthurium (*Anthurium sp*) Dengan Berbagai Media Tumbuh dan Pupuk Daun Growquick. *Jurnal Dinamika Pertanian*, 28(1), 103–112.
- Karunia, Y. A. I., Silvina, F., & Murniati. (2019). Pemberian Kombinasi Pupuk AB Mix dan Pupuk Organik Cair Limbah Rumah Tangga pada Tanaman Tomat (*Lycopersicum esculentum* Mill.) Secara Hidroponik. *JOM Faperta*, 6(1). <http://www.tjyybjb.ac.cn/CN/article/downloadArticleFile.do?attachType=PDF&id=9987>
- Khan, M. A., Khan, M. J., & Khan, A. (2023). The impact of silver nanoparticles on the growth of plants: The agriculture applications. *Helijon*, 9(6), e10234. <https://doi.org/10.1016/j.helijon.2023.e10234>
- Mahajan, P., Dhoke, S. K., & Khanna, A. S. (2022). Application of silver nanoparticles in in-vitro plant growth and metabolite production: Revisiting its scope and feasibility. *Journal of Nanobiotechnology*, 20(1), 1–15. <https://doi.org/10.1186/s12951-022-01234-5>
- Mahna, N., Vahed, S. Z., & Khani, S. (2013). Plant In vitro culture goes nano: Nanosilver-mediated decontamination of Ex vitro explants. *Journal of Nanomedicine and Nanotechnology*, 4(2), 3. <https://doi.org/10.4172/2157-7439.1000161>
- Mufadillah, A. (2023). Media Murah untuk Multiplikasi Nanas (Ananas comosus) secara In Vitro Menggunakan AB Mix dan Gandasil D. Skripsi, Universitas Islam Negeri Sultan Syarif Kasim Riau
- Nugrahani, P., Wiyatiningsih, S., Larissa, D. I., & Maryam. (2023). The effect of planting media and foliar fertilizer on the acclimatization stage on the appearance of Aglaonema 'Lady Valentine'. *International Journal of Veterinary Science and Agriculture Research*, 5(5). <https://www.ijvsar.com>
- Oktavia, F., Stevanus, C. T., & Dessailly, F. (2020). Optimasi Kondisi Suhu Dan Kelembaban Serta Pengaruh Media Tanam Terhadap Keberhasilan Aklimatisasi Tanaman Karet Asal Embriogenesis Somatik. *Jurnal Penelitian Karet*, 38(1), 1–16. <https://doi.org/10.22302/ppk.jpk.v38i1.677>
- Patra, J. K., Das, G., Fraceto, L. F., Campos, E. V. R., Rodriguez-Torres, M. del P., Acosta-Torres, L. S., Diaz-Torres, L. A., Grillo, R., Swamy, M. K., Sharma, S., Habtemariam, S., & Shin, H.-S. (2018). Nano based drug delivery systems:

- Recent developments and future prospects. *Journal of Nanobiotechnology*, 16(1), 71. <https://doi.org/10.1186/s12951-018-0392-8>
- Pratiwi, B. I., Nugrahani, P., & Augustien, N. K. (2023). Pengaruh nutrisi AB mix dan benzyl amino purine (BAP) terhadap pertumbuhan pisang (*Musa acuminata* var. *cavendish*) in vitro. *Agro Bali: Agricultural Journal*, 6(1), 231–240. <https://doi.org/10.37637/agro.v6i1.1163>
- Pujiwati, I., Agisimanto, D., Saputra, R. B., Rosyidah, A., & Yulianti, F. (2024). Fermented lettuce waste as an organic nutritional supplement of synthetic fertilizer in hydroponic production of Archivel lettuce. *Ciência e Agrotecnologia*, 48(6), e019924. <https://doi.org/10.1590/1413-7054202448019924>
- Puspitasari, A.T. (2010). Budidaya Tanaman Hias Aglaonema Di Deni Nursery And Gardening. Surakarta. Fakultas Pertanian Universitas Sebelas Maret.
- Putu, N., Asih, S., Lestari, D., Warseno, T., Iryadi, R., Motley, J., Wilhelm, H., & Boyce, B. (2018). Keragaman , Konservasi Dan Aklimatisasi Araceae Kalimantan Di Kebun Raya “ Eka Karya ” Bali. *Jurnal Penelitian Hutan dan Konservasi Alam*. Vol. 15 No. 1, Juni 2018 : 1-13
- Poli, S. I. B. R., & Mattjik, N. A. (2018). Pengaruh IBA dan NAA terhadap Stek Aglaonema var Donna Carmen dengan Perendaman. *Makalah Seminar Departemen Agronomi Dan Hortikultura Fakultas Pertanian Institut Pertanian Bogor Pengaruh*, 1–9.
- Rahayu, E., & Ardian, A. P. (2023). Pengaruh Jenis Media Tanam terhadap Keberhasilan Aklimatisasi dan Pertumbuhan Anggrek *Dendrobium* hasil Kultur Jaringan. *Jurnal Hortikultura Tropika*, 13(1), 15–22. <https://jurnal.polinela.ac.id/jht/article/view/3369>
- Rout, G. R., & Mohapatra, A. (2020). Advances in tissue culture techniques for ornamental plant propagation. Dalam M. Reid (Ed.), Achieving sustainable cultivation of ornamental plants. *Burleigh Dodds Science Publishing*. 1-18. <http://dx.doi.org/10.19103/AS.2020.0066.04>
- Ruttkay-Nedecky, B., Krystofova, O., Nejdl, L., & Adam, V. (2017). Nanoparticles based on essential metals and their phytotoxicity. *Journal of Nanobiotechnology*, 15(1), 33. <https://doi.org/10.1186/s12951-017-0268-3>
- Sarkar, S., Das, B., & Mukherjee, A. (2019). Stimulatory effect of silver nanoparticles on the growth and flowering of potted oriental lilies. *Agronomy*, 9(10), 610. <https://doi.org/10.3390/agronomy9100610>
- Sarmast, M., & Salehi, H. (2016). Role of Different Nutrient Elements and AgNPs for In Vitro Shoot Proliferation of GF-677 Rootstock. *Academia.edu*.
- Shaikhhaldein, H. O., Al-Qurainy, F., Nadeem, M., Khan, S., Tarroum, M., Salih, A. M., Alansi, S., Al-Hashimi, A., Alfaghham, A., & Alkahtani, J. (2022). Assessment of the Impacts of Green Synthesized Silver Nanoparticles on *Maerua oblongifolia* Shoots under In Vitro Salt Stress. *Materials*, 15(14), 4784. <https://doi.org/10.3390/ma15144784>

- Shokri, S., Asghari, G., & Ebrahimzadeh, H. (2014). The effects of different concentrations of nano-silver on elimination of bacterial contaminations and phenolic exudation of rose (*Rosa hybrida* L.) in vitro culture. *Journal of Plant Biotechnology*, 41(1), 1–7. <https://doi.org/10.5010/JPB.2014.41.1.001>
- Silalahi, T. P., & Murni, P. (2023). Effect of light intensity on phenology and morphological characteristics of Aglaonema Bigroy (*Aglaonema* sp.) leaves. *Jurnal Penelitian Pendidikan IPA*, 9(12), 10892–10901. <https://doi.org/10.29303/jppipa.v9i12.5593>
- Singh, C., Baboota, R. K., Naik, P. K., & Singh, H. (2012). Biocompatible Synthesis of Silver and Gold Nanoparticles Using Leaf Extract of *Dalbergia sissoo*. *Advanced Materials Letters*, 3(4), 279–285. <https://doi.org/10.5185/amlett.2011.10312>
- Singh, G., Sheokand, A., Gupta, A. et al. (2024). Effect of Biofabricated Silver nanoparticles on Growth parameters in Fenugreek (*Trigonella foenum-graecum*). *Vegetos* 37, 1751–1759. <https://doi.org/10.1007/s42535-024-00878-4>
- Spinozo-Castillo, J. L., Chavez-Santoscoy, R. A., Bogdanchikova, N., Perez-Sato, J. A., Morales-Ramos, V., & Bello-Bello, J. J. (2017). Antimicrobial and hormetic effects of silver nanoparticles on in vitro regeneration of vanilla (*Vanilla planifolia* Jacks. ex Andrews) using a temporary immersion system. *Plant Cell, Tissue and Organ Culture*, 129(1), 195–207. <https://doi.org/10.1007/s11240-016-1165-5>
- Sreelekshmi, K. S. (2021). Effect of silver nanoparticles on in vitro culture of clove (*Syzygium aromaticum* L.). *Journal of Medicinal Plants Studies*, 9(4), 45–50. <https://doi.org/10.22271/plants.2021.v9.i4a.1234>
- Syu, Y. Y., Hung, J. H., Chen, J. C., Chuang, H. W., & Yang, C. M. (2014). Impacts of size and shape of silver nanoparticles on *Arabidopsis* plant growth and gene expression. *Plant Physiology and Biochemistry*, 83, 57–64. <https://doi.org/10.1016/j.plaphy.2014.07.010>
- Tamimi, S. M., & Othman, H. (2023). Silver nanoparticles for enhancing the efficiency of micropropagation of banana (*Musa acuminata* L.). *Tropical Life Sciences Research*, 34(2), 161–175. <https://doi.org/10.21315/tlsr2023.34.2.8>
- Tariq, A., Sultana, T., & Ali, M. (2020). Nanotechnology and Plant Tissue Culture. In *Plant Tissue Culture: Propagation, Conservation and Crop Improvement* (pp. 417–436). Springer.
- Toscano, S., Trivellini, A., Ferrante, A., & Romano, D. (2019). Effect of growing conditions on the performance of potted plants in the interior plantscaping. *Italus Hortus*, 26(3), 41–49. <https://doi.org/10.26353/j.italhort/2019.2.4149>
- Ulfah, K., Raihan, F., Natasya, N., Nafis, M. K., Ariyana, S. E., & Hartoyo, A. P. P. (2021). Teknologi Pembibitan Vegetatif Tanaman Hias. Fakultas Kehutanan dan Lingkungan, IPB, IPB Kampus Dramaga, Jalan Ulin, Bogor, Indonesia. Hal 48

- Vahabi, K., Mansoori, G. A., & Karimi, S. (2011). Biosynthesis of Silver Nanoparticles by *Fungus trichoderma reesei* (A Route for Large-Scale Production of AgNPs). *Insciences Journal*, 1(1), 65–79. <https://doi.org/10.5640/insc.010165>
- Vasyukova, I., Gusev, A., Zakharova, O., Baranchikov, P., & Yevtushenko, N. (2021). Silver nanoparticles for enhancing the efficiency of micropropagation of gray poplar (*Populus canescens* Aiton. Sm). *IOP Conference Series: Earth and Environmental Science*, 875(1).  
<https://doi.org/10.1088/1755-1315/875/1/012053>
- Wahyuni, D. K., Prasetyo, D., & Hariyanto, S. (2014). Perkembangan Kultur Daun Aglaonema sp. dengan Perlakuan Kombinasi Zat Pengatur Tumbuh NAA dan 2,4-D dengan BAP. *Jurnal Bios Logos*, 4(1).  
<https://doi.org/10.35799/jbl.4.1.2014.4837>
- Yan, A., & Chen, Z. (2019). Impacts of silver nanoparticles on plants: A focus on the phytotoxicity and underlying mechanism. *International Journal of Molecular Sciences*, 20(5), 1003. <https://doi.org/10.3390/ijms20051003>
- Yin, I. X., Zhang, J., Zhao, I. S., Mei, M. L., Li, Q., & Chu, C. H. (2020). The antibacterial mechanism of silver nanoparticles and its application in dentistry. *International Journal of Nanomedicine*, 15, 2555–2562.  
<https://doi.org/10.2147/IJN.S246764>
- Yulita, Y., Amelia, K., Putri, S. D., & Sari, W. (2024). Pengaruh Konsentrasi Larutan AB Mix Terhadap Pertumbuhan dan Produksi Mentimun (*Cucumis sativus* L.) pada Sistem Hidroponik NFT (Nutrient Film Technique). *Jurnal Agroplasma*, 11(2), 564–573. <https://doi.org/10.36987/agroplasma.v11i2.6367>
- Yusnita. (2015). Kultur Jaringan Tanaman Sebagai Teknik Penting Bioteknologi untuk Menunjang Pembangunan Pertanian. *Penerbit Aura Publishing*, 1–86.