DAFTAR PUSTAKA

Akin-Osanaiye, C. B., Gabriel, A. F., & Alebiosu, R. A. (2011). Characterization and antimicrobial screening of ethyl oleate isolated from Phyllanthus amarus (Schum and Thonn). *Ann Biol Res*, *2*(2), 298-305.

Amalia, D. (2020). Multiplikasi subkultur tunas delima hitam (*Punica granatum* L.) menggunakan asam amino glutamin secara in vitro. [Tesis]. Universitas Islam Negeri Maulana Malik Ibrahim.

Ambarwati, K., Jannah, M., & Adawiyah, A. R. (2020). Kandungan hexadecanoic acid, ethyl ester pada Nigela Sativa untuk prediksi apoptosis pada sel HeLa. *Jurnal Bidang Ilmu Kesehatan*, *10*(1), 104-107.

Anggraito, Y. U., Susanti, R., Iswari, R. S., Yuniastuti, A., Lisdiana, W. H., Habibah, N. A., & Bintari, S. H. (2018). Metabolit sekunder dari tanaman: aplikasi dan produksi. *Fakultas Matematika dan Ilmu pengetahuan Alam, Universitas Negeri Semarang (UNNES), Semarang*.

Asharo, K.R, Dini Ermavitalina, dan Nurmalasari. (2013). Pengaruh media MS dengan penambahan glutamin 100 ppm terhadap respon pertumbuhan dan perkembangan kultur tunas aksilar tebu (*Saccharum officinarum*) varietas NXI 1-3 dan THA secara *In Vitro*. Jurnal Sains dan Semi Pomits. Vol.2 No.1. DOI: 10.12962/j23373520.v2i2.3653

Balachandran, A., Choi, S. B., Beata, M. M., Małgorzata, J., Froemming, G. R., Lavilla Jr, C. A., & Okechukwu, P. N. (2023). Antioxidant, wound healing potential and in silico assessment of naringin, eicosane and octacosane. *Molecules*, *28*(3), 1043.

Bhojwani, S. S., & Razdan, M. K. (1986). *Plant tissue culture: theory and practice* (Vol. 5). Elsevier.

Bruno, F., Castelli, G., Migliazzo, A., Piazza, M., Galante, A., Verde, V. L., & Vitale, F. (2015). Cytotoxic screening and in vitro evaluation of pentadecane against Leishmania infantum promastigotes and amastigotes. *Journal of Parasitology*, *101*(6), 701-705.

Çelikel, F. G., Zhang, Q., Zhang, Y., Reid, M. S., & Jiang, C. Z. (2021). A cytokinin analog thidiazuron suppresses shoot growth in potted rose plants via the gibberellic acid pathway. *Frontiers in plant science*, *12*, 639717. https://doi.org/10.3389/fpls.2021.639717

Centeno, M.L., López, D., Hernández, M.L., & Jiménez, V.M. (2003). Role of auxins and cytokinins in morphogenesis of *Coffea arabica* callus

cultures. *Physiologia Plantarum*, 119(3), 414–420. https://doi.org/10.1034/j.1399-3054.2003.00139.x

Chuah, X. Q., Okechukwu, P. N., Amini, F., & Teo, S. S. (2018). Eicosane, pentadecane and palmitic acid: The effects in: In vitro: Wound healing studies. *Asian Pacific Journal of Tropical Biomedicine*, *8*(10), 490-499.

Dalimunthe, C. I., & Rachmawan, A. (2017). Prospek pemanfaatan metabolit sekunder tumbuhan sebagai pestisida nabati untuk pengendalian patogen pada tanaman karet. *Warta Perkaretan*, *36*(1), 15-28. DOI: https://doi.org/10.22302/ppk.wp.v36i1.324

Diep, C. N., Binh, N. T., & Lam, P. H. (2018). Bioactive compounds from marine fungus Penicillium citrinum strain ND7c by gas chromatography-mass spectrometry. *Pharm Chem J*, *5*(1), 211-224.

Fakhri, S., Moradi, S. Z., Farzaei, M. H., and Bishayee, A. (2020). Modulation of dysregulated cancer metabolism by plant secondary metabolites: a mechanistic review. *Semin. Cancer Biol.* doi: 10.1016/j.semcancer.2020.02.007

Faridah, E., Indrioko, S., & Herawan, T. (2017). Induksi tunas, multiplikasi dan perakaran Gyrinops versteegii (Gilg.) Domke secara in vitro. *Jurnal Pemuliaan Tanaman Hutan*, *11*(1), 1-13. DOI: 10.20886/jpth.2017.11.1.1-13

Fehér, A. (2019). *Callus, dedifferentiation, totipotency, somatic embryogenesis: What these terms mean in the era of molecular plant biology?* Frontiers in Plant Science, 10, 536.

Fitriani, D., & Sholikhah, U. (2015). Pengaruh Pemberian Asam Amino (Glisin, Sistein Dan Arginin).

Gamborg, O. L., Murashige, T., Thorpe, T. A., & Vasil, I. K. (1976). Plant tissue culture media. *In Vitro*, *12*(7), 473–478. http://www.jstor.org/stable/20170323

Harmita, I. N. A. (2022). Multiplikasi tunas Protocorm Like Body (PLB) anggrek Dendrobium stratiotes (Rchb. f) menggunakan thidiazuron (TDZ) dan asam amino glutamin secara in vitro. [Tesis]. Universitas Islam Negeri Maulana Malik Ibrahim.

Hartmann, H. T., Kester, D. E., Davies, F. T., & Geneve, R. L. (2011). Plant propagation: Principles and practices (8th ed.). Prentice Hall.

Hayati, A. (2021). Induksi tunas Porang (*Amorphophallus Muelleri Blume*) dengan menggunakan *Thidiazuron* (TDZ) dan asam amino Glisin secara *In Vitro*. [Tesis]. Universitas Islam Negeri Maulana Malik Ibrahim.

Hotmian, E., Suoth, E., Fatimawali, F., & Tallei, T. (2021). Analisis Gc-Ms (Gas Chromatography - Mass Spectrometry) ekstrak metanol dari umbi rumput teki (Cyperus rotundus L.). *PHARMACON*, *10*(2), 849–856. https://doi.org/10.35799/pha.10.2021.34034

Ibrahim, Meynarti Sari Dewi. 2015. Faktor penentu keberhasilan perbanyakan Kopi (*Coffea* spp.) melalui embriogenesis somatik. Sirinov. Vol. 3. No. 3. URI https://repository.pertanian.go.id/handle/123456789/23194

Ikeuchi, M., Sugimoto, K., & Iwase, A. (2013). *Plant callus: mechanisms of induction and repression*. Plant Cell, 25(9), 3159–3173.

Iwashina, T., Rahayu, S., Nakane, T., Devkota, H. P., Mizuno, T., Tsutsumi, C., & Widyatmoko, D. (2022). Flavonoids and phenylethanoids from the flowers and leaves of Aeschynanthus species and cultivars (Gesneriaceae). *Phytochemistry*, *203*,113367. DOI: 10.1016/j.phytochem.2022.113367

Iwashina, T., Rahayu, S., Nakane, T., Mizuno, T., Tsutsumi, C., & Widyatmoko, D. (2023). Three minor flavone glycosides from *Aeschynanthus* species and cultivars (Gesneriaceae). *Natural Product Communications*, *18*(8), 1934578X231188858. DOI:10.1177/1934578X231188858

Jayakumar, S., & Ramalingam, R. (2013). Influence of additives on enhanced in vitro shoot multiplication of Orthosiphon aristatus (Blume) Miq. *Notulae Scientia Biologicae*, *5*(3), 338-345.

Junairiah, J., Amalia, N. S., Manuhara, S. W., Matuzzahroh, N., & Sulistyorini, L. (2019). Pengaruh variasi zat pengatur tumbuh iaa, bap, kinetin terhadap metabolit sekunder kalus sirih hitam (*Piper betle* L. Var Nigra). *Jurnal Kimia Riset*, *4*(2), 121-132. DOI: https://doi.org/10.20473/jkr.v4i2.16898

Kadapi, M., Sunarso, C., Erizon, M. S., Maharani, N. D., Hakim, M. S., & Zahra, I. H. A. (2024). Teknologi kultur in vitro untuk meningkatkan produksi metabolit sekunder pada berbagai tanaman obat. *Jurnal AGROSAINS dan TEKNOLOGI*, *9*(1), 18-29. DOI: https://doi.org/10.24853/jat.9.1.18-29

Karjadi, A. K., & Buchory, A. (2007). Pengaruh NAA dan BAP terhadap pertumbuhan jaringan meristem bawang putih pada media B5. *Jurnal Hortikultura*, *17*(3).

Kartiman, R., Sukma, D., Aisyah, S. I., & Purwito, A. (2018). Multiplikasi in vitro anggrek hitam (Coelogyne pandurata Lindl.) pada perlakuan kombinasi NAA dan BAP. *Jurnal Bioteknologi dan Biosains Indonesia*, *5*(1), 75-87. DOI: https://doi.org/10.29122/jbbi.v5i1.2908

Katuuk, R. H. H., Wanget, S. A., dan Tumewu, P. (2019). Pengaruh perbedaan ketinggian tempat terhadap kandungan metabolit sekunder pada gulma babadotan (Ageratum conyzoides L.). J. Cocos, 1(4):1–6. DOI: https://doi.org/10.35791/cocos.v1i4.24162

Kessler, A., and Kalske, A. (2018). Plant secondary metabolite diversity and species interactions. *Annu. Rev. Ecol. Evol. Syst.* 49, 115–138. doi: 10.1146/annurev-ecolsys-110617-062406

Khajuria, V., Gupta, S., Sharma, N., Kumar, A., Lone, N. A., Khullar, M., & Ahmed, Z. (2017). Anti-inflammatory potential of hentriacontane in LPS stimulated RAW 264.7 cells and mice model. *Biomedicine & Pharmacotherapy*, *92*, 175-186.

Kim, D. H., Park, M. H., Choi, Y. J., Chung, K. W., Park, C. H., Jang, E. J., An, H. J., Yu, B. P., & Chung, H. Y. (2013). Molecular study of dietary heptadecane for the anti-inflammatory modulation of NF-kB in the aged kidney. *PloS one*, *8*(3), e59316. https://doi.org/10.1371/journal.pone.0059316

Koolprueksee, C., S. Sengsai., K. Obsuwan and C. Thepsithar. (2021). Effect of Some Organic Additives on Shoot Initiation and Shoot Multiplication of Sangmon 'Nuan Rajinee' Bamboo (Dendrocalamus sericeus Munro). Acta Horticulturae.

Kurnianingsih, R., Ghazali, M., Rosidah, S., Muspiah, A., Astuti, S. P., & Nikmatullah, A. (2020). Pelatihan teknik dasar kultur jaringan tumbuhan. *JMM (Jurnal Masyarakat Mandiri)*, *4*(5), 888-896. DOI: https://doi.org/10.31764/jmm.v4i5.3049

Kusbiantoro, D., & Purwaningrum, Y. (2018). Pemanfaatan kandungan metabolit sekunder pada tanaman kunyit dalam mendukung peningkatan pendapatan masyarakat. *Jurnal kultivasi*, *17*(1). DOI: https://doi.org/10.24198/kultivasi.v17i1.15669

Kusmana, C., & Hikmat, A. (2015). Keanekaragaman hayati flora di Indonesia. *Jurnal Pengelolaan Sumberdaya Alam dan Lingkungan (Journal of Natural Resources and Environmental Management)*, *5*(2), 187-187.

Lee, K. T., Liao, H. S., & Hsieh, M. H. (2023). Glutamine Metabolism, Sensing and Signaling in Plants. *Plant & cell physiology*, *64*(12), 1466–1481. https://doi.org/10.1093/pcp/pcad054

Lestari, E. G. (2011). Peranan zat pengatur tumbuh dalam perbanyakan tanaman melalui kultur jaringan. *Jurnal AgroBiogen*, *7*(1), 63-68. DOI: 10.21082/jbio.v7n1.2011.p63-68

Li, Q., Deng, M., Xiong, Y., Coombes, A., & Zhao, W. (2014). Morphological and photosynthetic response to high and low irradiance of *Aeschynanthus longicaulis*. *The Scientific World Journal*, *2014*(1), 347461. DOI: 10.1155/2014/347461

Long, Y., Yang, Y., Pan, G., & Shen, Y. (2022). New insights into tissue culture plant-Regeneration Mechanisms. *Frontiers in plant science*, *13*, 926752. https://doi.org/10.3389/fpls.2022.926752

Ma, G., Teixeira da Silva, J. A., Lü, J., Zhang, X., & Zhao, J. (2011). Shoot organogenesis and plant regeneration in Metabriggsia ovalifolia. *Plant Cell, Tissue and Organ Culture (PCTOC)*, *105*(3), 355-361.

Makin, F. M. P. R., Tnunay, I. M. Y., & Wiguna, G. A. (2023). GC-MS (Gas Chromatography-Mass Spectrometry) metabolit sekunder ekstrak etanol dan metanol daun kirinyuh (Chromolaena odorata L.). *Bioscientist: Jurnal Ilmiah Biologi*, *11*(1), 194-202.

Marrufo, T., Nazzaro, F., Mancini, E., Fratianni, F., Coppola, R., De Martino, L., Agostinho, A. B., & De Feo, V. (2013). Chemical composition and biological activity of the essential oil from leaves of *Moringa oleifera* Lam. Cultivated in Mozambique. *Molecules*, *18*(9), 10989-11000. https://doi.org/10.3390/molecules180910989

Martin, B. M. (1994). *Tissue culture techniques: an introduction*. Springer Science & Business Media.

Mastuti, R. (2017). *Dasar-dasar kultur jaringan tumbuhan*. Universitas Brawijaya Press.

Mumpuni, S. P. (2025). *Pengaruh penambahan asam amino glutamin terhadap induksi tunas dari kotiledon jeruk siam (Citrus nobilis) secara In-Vitro* (Doctoral dissertation, Universitas Islam Negeri Maulana Malik Ibrahim).

Murthy, B.N.S., Murch, S.J. & Saxena, P.K. Thidiazuron: A potent regulator of*in vitro* plant morphogenesis. *In Vitro Cell.Dev.Biol.-Plant* 34, 267–275 (1998). https://doi.org/10.1007/BF02822732

National Parks Board Singapore. (2024). Aeschynanthus longicaulis. Flora & Fauna Web. https://www.nparks.gov.sg/florafaunaweb/flora/5/5/5555

Nepal, A., Chakraborty, M., Sarma, D. & Kanti, P. (2021). Phyto-chemical characterization of *Aeschynanthus sikkimensis* (Clarke) Stapf. (Gesneriaceae) using GC-MS. *International Journal of Pharmaceutical Research*, *13*(3), 597-602. DOI:10.31838/ijpr/2021.13.03.053

Nepal, A., Chakraborty, M., Jana, S., Sarma, D., & Haldar, P. K. (2021). Phytochemical analysis and assessment of antioxidant and in vitro anti-

inflammatory properties of methanol extract of *Aeschynanthus Sikkimensis* (Clarke) Stapf. *International Journal of Pharmaceutical Research (09752366)*, *13*(4). DOI:10.31838/ijpr/2021.13.03.053

Nunes-Nesi, A., Araújo, W. L., Obata, T., & Fernie, A. R. (2013). Regulation of the mitochondrial tricarboxylic acid cycle. *Current opinion in plant biology*, *16*(3), 335–343. https://doi.org/10.1016/j.pbi.2013.01.004

Nunes-Nesi, A., Fernie, A. R., & Stitt, M. (2010). Metabolic and signaling aspects underpinning the regulation of plant carbon nitrogen interactions. *Molecular plant*, *3*(6), 973-996.

Nursandi, F., Andini, F. R., & Septia, E. D. (2024). Pengaruh 2, 4 diklorofenoksiasetat (2, 4-D) dan thidiazuron (TDZ) terhadap multiplikasi tunas nanas (Ananas comosus (L.) Merr.) varietas queen secara kultur in vitro. *Agriprima: Journal of Applied Agricultural Sciences*, *8*(2), 141-158. DOI: 10.25047/agriprima.v8i2.678

Nuruzzahabati, A. *Aktivitas antidiabetes ekstrak dan fraksi daun malaka (phyllanthus emblica) secara in vitro melalui uji penghambatan α-glukosidase* (Bachelor's thesis, Fakultas Sains dan Teknologi UIN Syarif HIdayatullah Jakarta).

Okechukwu, P. N. (2020). Evaluation of anti-inflammatory, analgesic, antipyretic effect of eicosane, pentadecane, octacosane, and heneicosane. *Asian J. Pharamath. Clin. Res*, *13*.

Pai, S. R., & Desai, N. S. (2018). Effect of TDZ on various plant cultures. In *Thidiazuron: From urea derivative to plant growth regulator* (pp. 439-454). Singapore: Springer Singapore.

Pebrian, R. H., Suharli, L., & Sandra, E. (2024). Subkultur Dendrobium kanayao secara In Vitro di Esha Flora. *BIOMARAS: Journal of Life Science and Technology*, *2*(1), 49-53.

Pickens LB, Tang Y, Chooi Y-H (2011) Metabolic engineering for the production of natural products. Annu Rev Chem Biomol Eng 2:211–236. https://doi.org/10.1146/annurev-chembioeng -061010-114209

Prameswari, M. A., Karno, K., & Anwar, S. (2019). The effect of BAP and Kinetin concentrations for shoot induction on Teak (Tectona grandis L.) with In Vitro method. *Journal of Tropical Crop Science and Technology*, *1*(2), 93-107.

Pratama, J., & Nilahayati, N. (2018). Modifikasi media MS dengan penambahan air kelapa untuk subkultur I anggrek Cymbidium. *Jurnal Agrium*, *15*(2), 96-109. DOI: https://doi.org/10.29103/agrium.v15i2.1071

Pratiwi, P., Fathoni, A., Efendi, O., & Agusta, A. (2019). Antioxidant, antibacterial activity and GC-MS analysis of extract of giant forest ant Dinomyrmex gigas (Latreille, 1802). *Jurnal Biodjati*, *4*(2), 263-277.

Premjanu, N., & Jaynthy, C. (2014). Antimicrobial activity of diethyl phthalate: An insilico approach. *Asian J Pharm Clin Res*, *7*(4), 141-142.

Pringgenies, D., Wilis, A. S., Feliatra, F., & Ariyanto, D. (2023). The antibacterial and antifungal potential of marine natural ingredients from the symbiont bacteria of mangrove. *Global J. Environ. Sci. Manag*, *9*, 1-14.

Putri, S. S., Muztahidin, N. I., & Isminingsih, S. (2024). Callus induction of Ciangir Passion Fruit (Passiflora sp.) leaves at several concentration levels of growth regulators substance 2, 4-D and BAP. *Jurnal Biologi Tropis*, *24*(1), 168-178.

Rachmawati, F., Badriah, D. S., & Marwoto, B. (2021). Pengaruh jenis eksplan dan asam amino pada inisiasi dan proliferasi kalus embriogenik phalaenopsis Var.'Raiza Agrihorti'(The Effect of Explant Types and Amino Acids on Embryogenic Callus Initiation and Proliferation. *Jurnal Hortikultura*, *31*(1). DOI:10.21082/jhort.v31n1.2021.p11-20

Rahayu, S., & Tania, N. (2019). Flavonoid of some antioxidant plants in Taman Wisata Alam Pangandaran. In *Journal of Physics: Conference Series* (Vol. 1402, No. 3, p. 033041). IOP Publishing. DOI: https://doi.org/10.1088/1742-6596/1402/3/033041

Rahayu, S., Wawangningrum, H., & Garvita, R. V. (2015). Karakteristik morfologi dan perkembangan bunga *Aeschynanthus* tricolor Hook.(Gesneriaceae). *Berita Biologi*, *14*(3), 203-211.

Rahma, D. A., dan Asmono, S. L. (2022). Pengaruh BAP dengan Cahaya LED merah- biru dan putih terhadap multiplikasi tunas stevia (*Stevia rebaudiana* B.) secara *in vitro*. Jurnal Agrosains dan Teknologi,7(2), 65-74. DOI: https://doi.org/10.24853/jat.7.2.65-74

Rahmawati, S. (2024). Pengaruh asam amino glutamin dan arginin terhadap pertumbuhan anggrek Dendrobium sp. secara *in vitro*.

Rasud, Y., & Bustaman, B. (2020). Induksi kalus secara in vitro dari daun cengkeh (Syizigium aromaticum L.) dalam media dengan berbagai konsentrasi auksin. *Jurnal Ilmu Pertanian Indonesia*, *25*(1), 67-72.

Rouis-Soussi, L. S., El Ayeb-Zakhama, A., Mahjoub, A., Flamini, G., Jannet, H. B., & Harzallah-Skhiri, F. (2014). Chemical composition and antibacterial activity of essential oils from the Tunisian *Allium nigrum* L. *EXCLI journal*, *13*, 526.

Sahraroo, A., Mirjalili, M. H., Corchete, P., Babalar, M., & Fattahi Moghadam, M. R. (2016). Establishment and characterization of a *Satureja khuzistanica Jamzad* (Lamiaceae) cell suspension culture: a new in vitro source of rosmarinic acid. *Cytotechnology*, *68*(4), 1415–1424. https://doi.org/10.1007/s10616-015-9901-x

Sahraroo, A., Mirjalili, M. H., Corchete, P., Babalar, M., & Fattahi Moghadam, M. R. (2016). Establishment and characterization of a *Satureja khuzistanica Jamzad* (Lamiaceae) cell suspension culture: a new in vitro source of rosmarinic acid. *Cytotechnology*, *68*, 1415-1424.

Saini, S., Hardeep S. T., Ritu C., Ujiawal S., & Poonam B. (2024). Ethyl Oleate, Hexadecenoic Acid, Phytol Profiling of *Onosma bracteatum*: Antibacterial, Anticancer and Molecular Docking Studies. *Asian Journal of Chemistry, 36(10), 2300-2306.* https://doi.org/10/14233/ajchem.2024.32310

Sari, Y. P., Kusumawati, E., Saleh, C., Kustiawan, W., dan Sukartiningsih, S. (2018). Effect of sucrose and plant growth regulators on callogenesis and preliminary secondary metabolic of different explant Myrmecodia tuberosa. *Nusantara Bioscience,10(3),* 183–192. DOI https://doi.org/10.13057/nusbiosci/n100309

Sari, H. S., Dwiati, M., & Budisantosa, I. (2017). Efek NAA dan BAP terhadap pembentukan tunas, daun, dan tinggi tunas stek mikro Nepenthes ampullaria Jack. *Majalah Ilmiah Biologi BIOSFERA: A Scientific Journal*, *32*(3), 195-201.

Sinaulan, J. S., Lengkong, E. F., & Tulung, S. (2018). Respon pembentukkan kalus embrionik tanaman krisan kulo (*Chrysanthemum morifolium*) terhadap pemberian zat pengatur tumbuh sitokinin. In *Cocos* (Vol. 10, No. 3).

Sitorus, E. N., & Hastuti, E. D. (2011). Induksi kalus binahong (*Basella rubra* L.) secara *in vitro* pada media Murashige & Skoog dengan konsentrasi sukrosa yang berbeda. *Bioma: Berkala Ilmiah Biologi*, *13*(1), 1-7. DOI: https://doi.org/10.14710/bioma.13.1.1-7

Sofidiya, M. O., Olaosilo, J., Alarape, D., Owolabi, O., & Ajayi, A. M. (2025). The leaves of *Flabellaria paniculata* Cav.(Malphigiaceae) exhibit anti-inflammatory, antioxidant and antinociceptive activities in vivo. *Journal of Ethnopharmacology*, 120004.

Sulichantini, E. D. (2015, June). Produksi metabolit sekunder melalui kultur jaringan. In *Proceeding of Mulawarman Pharmaceuticals Conferences* (Vol. 1, pp. 205-212). DOI: https://doi.org/10.30872/mpc.v1i.158

Taha, H., Awang-Jamil, Zulhamizan., Aminuddin, M. F., Basri, A. M., Zaidi, B. Q., & Ahmad, N. (2021). Phytochemicals and antimicrobial analysis of selected medicinal plants from Brunei Darussalam. *Biodiversitas Journal of Biological Diversity*, *22*(2).

Tarigan, L. (2025). Sterilization of plant tissue culture equipment. *Journal of Innovation and Scientific Collaboration*, *1*(1), 25-30.

Tarigan, S. D. S., Astarini, I. A., & Astiti, N. P. A. (2023). Inisiasi kalus bangle (*zingiber purpureum roscoe*) pada beberapa kombinasi 2.4-d dan kinetin. *Jurnal Hortikultura Indonesia (JHI)*, *14*(2), 93-99.

Ulfah, S. M., Dorly, D., & Rahayu, S. (2016). Perkembangan bunga dan uji viabilitas serbuk sari bunga lipstik *Aeschynanthus radicans* var.'Monalisa'Di Kebun Raya Bogor flower development and pollen viability of *Aeschynanthus radicans* var.'Monalisa'at Bogor Botanical Garden. *Buletin Kebun Raya*, *19*(1), 21-32. DOI: 10.14203/bkr.v19i1.104

Ullrich, C. I., Aloni, R., Saeed, M. E. M., Ullrich, W., and Efferth, T. (2019). Comparison between tumors in plants and human beings: mechanisms of tumor development and therapy with secondary plant metabolites. *Phytomedicine* 64:153081. doi: 10.1016/j.phymed.2019.153081

Vanitha, V., Vijayakumar, S., Nilavukkarasi, M., Punitha, V. N., Vidhya, E., & Praseetha, P. K. (2020). Heneicosane: A novel microbicidal bioactive alkane identified from *Plumbago zeylanica* L. *Industrial Crops and Products*, *154*, 112748.

Vitova, L. (2009). A. mormoratus [Photograph]. Flickr. https://www.flickr.com/photos/streps/3926166800

Vranová, E., Coman, D., & Gruissem, W. (2013). Network analysis of the MVA and MEP pathways for isoprenoid synthesis. *Annual review of plant biology*, *64*, 665-700.

Weber, A., Clark, J. L., & Möller, M. (2013). A new formal classification of Gesneriaceae. *Selbyana*, 68-94.

Wen, J., Xia, W., Wang, Y., Li, J., Guo, R., Zhao, Y., Fen, J., Duan, X., Wei, G., Wang, G., Li, Z., & Xu, H. (2025). Pathway elucidation and heterologous reconstitution of the long-chain alkane pentadecane biosynthesis from *Pogostemon cablin*. *Plant biotechnology journal*, *23*(2), 564–578. https://doi.org/10.1111/pbi.14520

Winarto, B. (2011). Pengaruh glutamin dan serin terhadap kultur anter *Anthurium andraeanum* cv. Tropical. *Jurnal Hortikultura*, *21*(4), 293-305. DOI: 10.21082/jhort.v21n4.2011.p293-305

Wulandari, S., Nisa, Y. S., Taryono, T., Indarti, S., & Sayekti, R. S. (2022). Sterilisasi peralatan dan media kultur jaringan. *Agrotechnology Innovation (Agrinova)*, *4*(2), 16-19. DOI: https://doi.org/10.22146/a.77010

Xie, C., Wang, S., Cao, M., Xiong, W., & Wu, L. (2022). (E)-9-Octadecenoic Acid Ethyl Ester Derived from Lotus Seedpod Ameliorates Inflammatory Responses by Regulating MAPKs and NF-κB Signalling Pathways in LPS-Induced RAW264.7 Macrophages. *Evidence-based complementary and alternative medicine : eCAM*, *2022*, 6731360. https://doi.org/10.1155/2022/6731360

Yang, G., Lü, J., Teixeira da Silva, J. A., Chen, H., & Ma, G. (2014). Shoot organogenesis from leaf explants of *Dayaoshania cotinifolia* WT Wang. *In Vitro Cellular & Developmental Biology-Plant*, *50*(4), 451-457.

Yang, H., Yuan, H., Du, C., Liang, L., Chen, M., & Zou, L. (2022). Development of a Highly Efficient Shoot Organogenesis System for an Ornamental *Aeschynanthus pulcher* (Blume) G. Don Using Leaves as Explants. *Plants*, *11*(19), 2456. https://doi.org/10.3390/plants11192456

Yang, L., Wen, K. S., Ruan, X., Zhao, Y. X., Wei, F., and Wang, Q. (2018). Response of plant secondary metabolites to environmental factors. *Molecules* 23:762. doi: 10.3390/molecules23040762

Yousuf, P. Y., Shabir, P. A., & Hakeem, K. R. (Eds.). (2022). *Advances in Plant Nitrogen Metabolism*. CRC Press.

Zulkarnain, H. (2024). *Kultur Jaringan Tanaman: Solusi perbanyakan tanaman budi daya*. Bumi Aksara.