

DAFTAR PUSTAKA

- Abu-izneid, T. *et al.* (2018) 'the Newly Synthesized 3- O -Phospho-? - D - Glucopyranuronic Acid Compound', 2018.
- Adeniyi, B. A. and Anyiam, F. M. (2004) 'In vitro Anti-Helicobacter pylori potential of methanol extract of *Allium ascalonicum* linn. (Liliaceae) leaf: Susceptibility and effect on urease activity', *Phytotherapy Research*, 18(5), pp. 358–361. doi: 10.1002/ptr.1265.
- Aksoy, Ö., Kizilirmak, S. and Billur Akdeniz, G. (2013) 'Investigation of mitosis, microsporogenesis and pollen germination in the critically endangered plant *Amsonia orientalis* (Apocynaceae)', *Caryologia*. Taylor & Francis, 66(3), pp. 282–288. doi: 10.1080/00087114.2013.854564.
- Anitha, K. *et al.* (2017) 'Induction of Polyploids and Isolation of Ploidy Variants Through Stomatal Parameters in *Bougainvillea* (*Bougainvillea* spp)', *International Journal of Agricultural Science and Research (IJASR)*, 7(1), pp. 451–458.
- Anusuya, S. and Gromiha, M. M. (2017) 'Quercetin derivatives as non-nucleoside inhibitors for dengue polymerase: molecular docking, molecular dynamics simulation, and binding free energy calculation', *Journal of Biomolecular Structure and Dynamics*. Taylor & Francis, 35(13), pp. 2895–2909. doi: 10.1080/07391102.2016.1234416.
- APG IV (2016) 'An update of the Angiosperm Phylogeny group classification for the orders and families of flowering plants: APG IV', *Botanical Journal of the Linnean Society*, 181, pp. 1–20.
- Ari, E. *et al.* (2015) 'Creation of variation through gamma irradiation and polyploidization in *Vitex agnus-castus* L.', *Scientia Horticulturae*. Elsevier B.V., 195, pp. 74–81. doi: 10.1016/j.scienta.2015.08.039.
- Basumatari, M. and Das, B. N. (2017) 'Karyomorphological Studies in Two Species of *Bauhinia* Linn. and Induction of Polyploidy in *Bauhinia acuminata* Linn', *International Journal of Life- Sciences Scientific Research*, 3(4), pp. 1223–1229. doi: 10.21276/ijlssr.2017.3.4.20.
- Bebber, D. P., Ramotowski, M. A. T. and Gurr, S. J. (2013) 'Crop pests and pathogens move polewards in a warming world', *Nature Climate Change*. Nature Publishing Group, 3(11), pp. 985–988. doi: 10.1038/nclimate1990.
- Bellardi, M. G. *et al.* (1995) 'Detection of garlic common latent virus (GCLV) in *Allium sativum* L. in Italy', *Phytopathologia Mediterranea*, 34(1), pp. 58–61. Available at: www.jstor.org/stable/42685968.
- Berkov, S. *et al.* (2003) 'Alkaloid spectrum in diploid and tetraploid hairy root cultures of *Datura stramonium*', *Zeitschrift für Naturforschung - Section C Journal of Biosciences*, 58(1–2), pp. 42–46. doi: 10.1515/znc-2003-1-207.
- Bisen, P. S. and Emerald, M. (2016) 'Send Orders for Reprints to reprints@benthamscience.ae Nutritional and Therapeutic Potential of Garlic and Onion (*Allium* sp.)', (June). doi: 10.2174/1573401312666160608121.
- BPS-Statistics Indonesia (2020a) [*SOUH2018*] *Struktur Ongkos Usaha Tanaman Bawang Merah per Hektar per Musim Tanam di Indonesia*. Jakarta. Available at: <https://www.bps.go.id/>.
- BPS-Statistics Indonesia (2020b) *Hasil Survei Sosial Demografi Dampak COVID-*

19. Jakarta: Badan Pusat Statistik RI.
- BPS-Statistics Indonesia (2020c) *Statistik Indonesia 2020*. Badan Pusat Statistik. Available at: <https://www.bps.go.id/publication/2020/02/28/6e654dd717552e82fb3c2ffe/statistik-indonesia--penyediaan-data-untuk-perencanaan-pembangunan.html>.
- BPSB-TPH, Dipterta DIY/UGM and Pemda Bantul (2002) 'Lampiran Keputusan menteri pertanian 498/Kpts/TP.240/8/2002'.
- Brewster, J. L. (2008) *Onions and Other Vegetable Alliums Second Edition*, CAB International, Wallingford, UK.
- Candra, A. (2010) 'Dengue Hemorrhagic Fever Epidemiology, Pathogenesis, and Its Transmission Risk Factors', *Aspirator: Journal of Vector Borne Diseases Studies*, 2(2), pp. 110–119. doi: 10.22435/aspirator.v2i2.2951.
- Chase, M. W. *et al.* (2016) 'An update of the Angiosperm Phylogeny Group classification for the orders and families of flowering plants: APG IV', *Botanical Journal of the Linnean Society*, 181(1), pp. 1–20. doi: 10.1111/boj.12385.
- Chen, C. H. *et al.* (2011) 'In vitro anti-adenoviral activity of five *Allium* plants', *Journal of the Taiwan Institute of Chemical Engineers*. Taiwan Institute of Chemical Engineers, 42(2), pp. 228–232. doi: 10.1016/j.jtice.2010.07.011.
- Chuansumrit, A. and Tangnararatchakit, K. (2006) 'Pathophysiology and management of dengue hemorrhagic fever', *Transfusion Alternatives in Transfusion Medicine*, 8(C), pp. 3–11. doi: 10.1111/j.1778-428x.2006.00025.x.
- Conde, C. and Cáceres, A. (2009) 'Microtubule assembly, organization and dynamics in axons and dendrites', *Nature Reviews Neuroscience*, 10(5), pp. 319–332. doi: 10.1038/nrn2631.
- Dar, T. U. H. and Rehman, R. U. (2017) *Polyploidy: Recent trends and future perspectives*, *Polyploidy: Recent Trends and Future Perspectives*. doi: 10.1007/978-81-322-3772-3.
- Davidson, A. D. (2009) *Chapter 2 New Insights into Flavivirus Nonstructural Protein 5*. 1st edn, *Advances in Virus Research*. 1st edn. Elsevier Inc. doi: 10.1016/S0065-3527(09)74002-3.
- Depkes RI (2004) 'Tata Laksana Demam Berdarah Dengue Di Indonesia', *Tata Laksana Demam Berdarah Dengue Di Indonesia*, pp. 1–62. Available at: <https://silahuddinm.files.wordpress.com/2013/02/bk2007-g4.pdf>.
- Dighe, S. N. *et al.* (2019) 'Recent update on anti-dengue drug discovery', *European Journal of Medicinal Chemistry*. Elsevier Masson SAS, 176, pp. 431–455. doi: 10.1016/j.ejmech.2019.05.010.
- Dixit, V. and Chaudhary, B. R. (2014) 'Colchicine-induced tetraploidy in garlic (*Allium sativum* L.) and its effect on allicin concentration', *Journal of Horticultural Science and Biotechnology*, 89(5), pp. 585–591. doi: 10.1080/14620316.2014.11513124.
- Dovas, C. I. *et al.* (2001) 'Incidence of viruses infecting *Allium* spp. in Greece', *European Journal of Plant Pathology*, 107(7), pp. 677–684. doi: 10.1023/A:1011958914573.
- Dwivedi, V. D., Tripathi, I. P. and Mishra, S. K. (2016) 'In silico evaluation of inhibitory potential of triterpenoids from *azadirachta indica* against

- therapeutic target of dengue virus, NS2B-NS3 protease', *Journal of Vector Borne Diseases*, 53(2), pp. 156–161.
- Ehsani, A. and Mahmoudi, R. (2012) 'Phytochemical properties and hygienic effects of *Allium ascalonicum* and *pimpinella anisum* essential oils in Iranian white brined cheese', *Journal of Essential Oil-Bearing Plants*, 15(6), pp. 1013–1020. doi: 10.1080/0972060X.2012.10662606.
- Erbel, P. *et al.* (2006) 'Structural basis for the activation of flaviviral NS3 proteases from dengue and West Nile virus', *Nature Structural and Molecular Biology*, 13(4), pp. 372–373. doi: 10.1038/nsmb1073.
- Feng, H. *et al.* (2017) 'Colchicine- and trifluralin-mediated polyploidization of *Rosa multiflora* Thunb. var. *inermis* and *Rosa roxburghii* f. *normalis*', *Journal of Horticultural Science and Biotechnology*. Taylor & Francis, 92(3), pp. 279–287. doi: 10.1080/14620316.2016.1249964.
- Friesen, N., Fritsch, R. and Blattner, F. (2006) 'Phylogeny and New Intrageneric Classification of *Allium* (Alliaceae) Based on Nuclear Ribosomal DNA ITS Sequences', *Aliso*, 22(1), pp. 372–395. doi: 10.5642/aliso.20062201.31.
- Fritsch, R. M. (2002) 'Evolution, Domestication and Taxonomy', (January), pp. 4–30.
- Griffiths, A. J. F. *et al.* (2015) *Introduction to genetic analysis, Tenth edition., Livre.*
- Grouh, M. S. H. *et al.* (2011) 'Doubling the chromosome number of *Salvia* using colchicine: Evaluation of morphological traits of recovered plants', *Journal of Medicinal Plant Research*, 5(19), pp. 4892–4898.
- Hanwell, M. D. *et al.* (2012) 'Avogadro: an advanced semantic chemical editor, visualization, and analysis platform', *Journal of Cheminformatics*, 4(1), pp. 1–17. doi: 10.1016/j.aim.2014.05.019.
- Hassandarvish, P. *et al.* (2016) 'In silico study on baicalein and baicalin as inhibitors of dengue virus replication', *RSC Advances*. Royal Society of Chemistry, 6(37), pp. 31235–31247. doi: 10.1039/c6ra00817h.
- He, M. *et al.* (2016) 'Polyploidy induced by colchicine in *Dendranthema indicum* var. *aromaticum*, a scented chrysanthemum', *European Journal of Horticultural Science*, 81(4), pp. 219–226. doi: 10.17660/eJHS.2016/81.4.5.
- He, Y. *et al.* (2016) 'Induction of Tetraploid Male Sterile *Tagetes erecta* by Colchicine Treatment and Its Application for Interspecific Hybridization', *Horticultural Plant Journal*, 2(5), pp. 284–292. doi: 10.1016/j.hpj.2017.01.002.
- Hosseini, H., Chehraz, M. and Sorestani, M. M. (2013) 'Polyploidy and comparison of diploid and autotetraploid seedling of Madagascar periwinkle (*Catharanthus roseus* cv . *alba*)', 4(2), pp. 402–406.
- Hsu, J. *et al.* (2006) 'Antiviral Drug Discovery Targeting to Viral Proteases', *Current Pharmaceutical Design*, 12(11), pp. 1301–1314. doi: 10.2174/138161206776361110.
- Huo, Y. M. *et al.* (2019) 'Complete chloroplast genome sequences of four *Allium* species: comparative and phylogenetic analyses', *Scientific Reports*. Springer US, 9(1), pp. 1–14. doi: 10.1038/s41598-019-48708-x.
- Jadhav, A. *et al.* (2013) 'Catharanthine dilates small mesenteric arteries and decreases heart rate and cardiac contractility by inhibition of voltage-operated calcium channels on vascular smooth muscle cells and

- cardiomyocytes', *Journal of Pharmacology and Experimental Therapeutics*, 345(3), pp. 383–392. doi: 10.1124/jpet.112.199661.
- Jadrná, P., Plavcová, O. and Kobza, F. (2010) 'Morphological changes in colchicine-treated *Pelargonium × hortorum* L.H. Bailey greenhouse plants', *Horticultural Science*, 37(1), pp. 27–33. doi: 10.17221/41/2009-hortsci.
- Jaillon, O. *et al.* (2007) 'The grapevine genome sequence suggests ancestral hexaploidization in major angiosperm phyla', *Nature*, 449(7161), pp. 463–467. doi: 10.1038/nature06148.
- Khodavandi, A. *et al.* (2014) 'Anti-Candida potential of *Allium ascalonicum* Linn: Antibiofilm activity and biomolecular mechanism of action', *Journal of Pure and Applied Microbiology*, 8, pp. 349–356.
- Kim, Y. S. *et al.* (2004) 'Effect of polyploidy induction on biomass and ginsenoside accumulations in adventitious roots of ginseng', *Journal of Plant Biology*, 47(4), pp. 356–360. doi: 10.1007/BF03030551.
- Kipple, K. F. and Ornelas, K. C. (2000) *The Cambridge World History of Food, Notes and Queries*. Cambridge University Press. doi: 10.1093/nq/s2-XII.307.391-e.
- Klaas, M. and Friesen, N. (2009) 'Molecular markers in *Allium*.', *Allium crop science: recent advances*, pp. 159–185. doi: 10.1079/9780851995106.0159.
- Kurane, I. (2007) 'Dengue hemorrhagic fever with special emphasis on immunopathogenesis', *Comparative Immunology, Microbiology and Infectious Diseases*, 30(5–6), pp. 329–340. doi: 10.1016/j.cimid.2007.05.010.
- Kwon, S. J. *et al.* (2014) 'Tetraploid induction approach induced by colchicine of', 4(12), pp. 1–7.
- Kyung, K. H. (2012) 'Antimicrobial properties of allium species', *Current Opinion in Biotechnology*. Elsevier Ltd, 23(2), pp. 142–147. doi: 10.1016/j.copbio.2011.08.004.
- Leelarungrayub, N. *et al.* (2006) 'Quantitative evaluation of the antioxidant properties of garlic and shallot preparations', *Nutrition*, 22(3), pp. 266–274. doi: 10.1016/j.nut.2005.05.010.
- Lertsutthichawan, A. *et al.* (2017) 'Induced Mutation of *Chrysanthemum* by Colchicine', 13, pp. 2325–2332.
- Li, L. *et al.* (2018) 'Recent advances in trimethoxyphenyl (TMP) based tubulin inhibitors targeting the colchicine binding site', *European Journal of Medicinal Chemistry*. Elsevier Masson SAS, 151, pp. 482–494. doi: 10.1016/j.ejmech.2018.04.011.
- Li, Q. Q. *et al.* (2010) 'Phylogeny and biogeography of allium (Amaryllidaceae: Alliaceae) based on nuclear ribosomal internal transcribed spacer and chloroplast rps16 sequences, focusing on the inclusion of species endemic to China', *Annals of Botany*, 106(5), pp. 709–733. doi: 10.1093/aob/mcq177.
- Li, Z. and Ruter, J. M. (2017) 'Development and evaluation of diploid and polyploid *Hibiscus moscheutos*', *HortScience*, 52(5), pp. 676–681. doi: 10.21273/HORTSCI11630-16.
- Lim, S. P., Noble, C. G. and Shi, P. Y. (2015) 'The dengue virus NS5 protein as a target for drug discovery', *Antiviral Research*. Elsevier B.V., 119(April), pp. 57–67. doi: 10.1016/j.antiviral.2015.04.010.

- Mahmoud, S. Y. M. *et al.* (2008) 'Identification of Onion yellow dwarf potyvirus as one of the major viruses infecting garlic in Egypt', *International Journal of Virology*, 4(1), pp. 1–13. doi: 10.3923/ijv.2008.1.13.
- Mahmoudabadi, A. Z. and Nasery, M. K. G. (2009) 'Anti fungal activity of shallot, *Allium ascalonicum* Linn. (Liliaceae), in vitro', *Journal of Medicinal Plants Research*, 3(5), pp. 450–453.
- Majdi, M. *et al.* (2010) 'Induction of tetraploidy to feverfew (*Tanacetum parthenium* Schulz-Bip.): Morphological, physiological, cytological, and phytochemical changes', *HortScience*, 45(1), pp. 16–21. doi: 10.21273/hortsci.45.1.16.
- Malet, H. *et al.* (2008) 'The flavivirus polymerase as a target for drug discovery', *Antiviral Research*, 80(1), pp. 23–35. doi: 10.1016/j.antiviral.2008.06.007.
- Manzoor, A. *et al.* (2019) 'Studies on colchicine induced chromosome doubling for enhancement of quality traits in ornamental plants', *Plants*, 8(7), pp. 1–16. doi: 10.3390/plants8070194.
- Mikaili, P. *et al.* (2013) 'Therapeutic Uses and Pharmacological Properties of Garlic, Shallot, and Their Biologically Active Compounds', *Iranian Journal of Basic Medical Sciences*, 16, pp. 1031–1048.
- Ministry of Health of the Republic of Indonesia (2010) 'Demam Berdarah Dengue', *Buletin Jendela Epidemiologi*, 2, p. 48.
- Ministry of Health of the Republic of Indonesia (2011) *Pusat Data dan Informasi Profil Kesehatan Indonesia 2010*, Direktorat Jendral Kesehatan Ibu dan Anak. Ministry of Health of the Republic of Indonesia. Available at: <http://www.depkes.go.id>.
- Ministry of Health of the Republic of Indonesia (2012) *Profil Kesehatan Indonesia 2011, Profil Kesehatan Provinsi Bali*. Ministry of Health of the Republic of Indonesia. Available at: <http://www.depkes.go.id/>.
- Ministry of Health of the Republic of Indonesia (2013) *Profil Kesehatan Indonesia 2012, Ministry of Health Indonesia*. Ministry of Health of the Republic of Indonesia. Available at: <https://www.kemkes.go.id/>.
- Ministry of Health of the Republic of Indonesia (2014) *Profil Kesehatan Indonesia 2013*.
- Ministry of Health of the Republic of Indonesia (2015) *Infodatin Situasi Demam Berdarah Dengue di Indonesia 2014*. Ministry of Health of the Republic of Indonesia. Available at: <https://www.kemkes.go.id/>.
- Ministry of Health of the Republic of Indonesia (2017) *Infodatin Situasi Demam Berdarah di Indonesia 2016, Situasi DBD di Indonesia*. Available at: <https://www.kemkes.go.id/>.
- Ministry of Health of the Republic of Indonesia (2018) *InfoDatin Situas Demam Berdarah Dengue 2017*. Available at: <https://www.kemkes.go.id/>.
- Ministry of Health of the Republic of Indonesia (2019a) *Profil Kesehatan Indonesia 2018 [Indonesia Health Profile 2018]*. Ministry of Health of the Republic of Indonesia. Available at: http://www.depkes.go.id/resources/download/pusdatin/profil-kesehatan-indonesia/Data-dan-Informasi_Profil-Kesehatan-Indonesia-2018.pdf.
- Ministry of Health of the Republic of Indonesia (2019b) *Profil Kesehatan Indonesia 2019*. Available at: <https://www.kemkes.go.id/>.
- Mishra, B. K. *et al.* (2010) 'Modulated gene expression in newly synthesized

- auto-tetraploid of *Papaver somniferum* L.', *South African Journal of Botany*. Elsevier B.V., 76(3), pp. 447–452. doi: 10.1016/j.sajb.2010.02.090.
- Mo, L. *et al.* (2020) 'Induction and characterization of polyploids from seeds of *Rhododendron fortunei* Lindl.', *Journal of Integrative Agriculture*. CAAS. Publishing services by Elsevier B.V, 19(8), pp. 2016–2026. doi: 10.1016/S2095-3119(20)63210-5.
- Mohammadi-Motlagh, H. R., Mostafaie, A. and Mansouri, K. (2011) 'Anticancer and anti-inflammatory activities of shallot (*Allium ascalonicum*) extract', *Archives of Medical Science*, 7(1), pp. 38–44. doi: 10.5114/aoms.2011.20602.
- Morris, G. M. *et al.* (2009) 'AutoDock4 and AutoDockTools4: Automated Docking with Selective Receptor Flexibility', *Journal of Computational Chemistry*, 30(16), pp. 2785–2791. doi: 10.1002/jcc.21256.AutoDock4.
- Nejat, N. *et al.* (2015) 'Ornamental exterior versus therapeutic interior of Madagascar periwinkle (*Catharanthus roseus*): The two faces of a versatile herb', *Scientific World Journal*. Hindawi Publishing Corporation, 2015. doi: 10.1155/2015/982412.
- Noble, C. G. and Shi, P. Y. (2012) 'Structural biology of dengue virus enzymes: Towards rational design of therapeutics', *Antiviral Research*. Elsevier B.V., 96(2), pp. 115–126. doi: 10.1016/j.antiviral.2012.09.007.
- Owoyele, B. V. *et al.* (2004) 'Haematological evaluation of ethanolic extract of *Allium ascalonicum* in male albino rats', *Fitoterapia*, 75(3–4), pp. 322–326. doi: 10.1016/j.fitote.2004.02.006.
- Pangestuti, R. and Sulistyaningsih, E. (2011) 'Potensi Penggunaan True Seed Shallot (TSS) Sebagai Sumber Benih Bawang Merah di Indonesia', *Prosiding Semiloka Nasional 'Dukungan Agro-Inovasi untuk Pemberdayaan Petani'*, (August 2011), pp. 258–266.
- Pettersen, E. F. *et al.* (2004) 'UCSF Chimera - A visualization system for exploratory research and analysis', *Journal of Computational Chemistry*, 25(13), pp. 1605–1612. doi: 10.1002/jcc.20084.
- Pusat Data dan Sistem Informasi Pertanian (2019) *Buletin Konsumsi pangan, Sekretariat Jendral Kementerian Pertanian*. Jakarta.
- Puspita, A. *et al.* (2020) 'Identifikasi Kromosom Homolog melalui Deteksi Nucleolus Organizer Regions dengan Pewarnaan AgNO₃ pada Tanaman Bawang Merah', *Bioteknologi & Biosains Indonesia*, 7(1), pp. 9–17.
- Putter, H. De and Adiyoga, W. (2013) *vegIMPACT Report I: Improving the shallot and hot pepper cultivation system in the coastal plain of Northern Java*.
- Raihan, R., Hadinegoro, S. R. S. and Tumbelaka, A. R. (2016) 'Faktor Prognosis Terjadinya Syok pada Demam Berdarah Dengue', *Sari Pediatri*, 12(1), p. 47. doi: 10.14238/sp12.1.2010.47-52.
- Ramesh, A. (2015) 'Karyotypic analysis in three species of *Allium* and their some Varieties', *International Research Journal of Biological Sciences*, 4(9), pp. 1–9. Available at: www.isca.me.
- Rasineni, K. *et al.* (2010) 'Antihyperglycemic activity of *Catharanthus roseus* leaf powder in streptozotocin-induced diabetic rats', *Pharmacognosy Research*, 2(3), pp. 195–201. doi: 10.4103/0974-8490.65523.
- Sahili, A. El and Lescar, J. (2017) 'Dengue virus non-structural protein 5',

- Viruses*, 9(4), pp. 1–20. doi: 10.3390/v9040091.
- Saranya, V. *et al.* (2020) 'In silico studies of the inhibition mechanism of dengue with papain', *Journal of Biomolecular Structure and Dynamics*. Taylor & Francis, 0(0), pp. 1–16. doi: 10.1080/07391102.2020.1742205.
- Sassone, A. B., Arroyo-Leuenberguer, S. and Giussani, L. M. (2014) 'Nueva Circunscripción de la tribu Leucocoryneae (Amaryllidaceae, Alliioideae)', *Darwiniana Nueva Serie*, 2(2), pp. 197–206. doi: 10.14522/darwiniana.2014.22.584.
- Sattler, M. C., Carvalho, C. R. and Clarindo, W. R. (2016) 'The polyploidy and its key role in plant breeding', *Planta*. Springer Berlin Heidelberg, 243(2), pp. 281–296. doi: 10.1007/s00425-015-2450-x.
- Sertel, S. *et al.* (2011) 'Molecular docking and pharmacogenomics of Vinca alkaloids and their monomeric precursors, vindoline and catharanthine', *Biochemical Pharmacology*, 81(6), pp. 723–735. doi: 10.1016/j.bcp.2010.12.026.
- Singh, R. J. (2002) *PLANT CYTOGENETICS*. 2nd Editio. CRC Press.
- Soltis, D. E. *et al.* (2009) 'Polyploidy and angiosperm diversification', *American Journal of Botany*, 96(1), pp. 336–348. doi: 10.3732/ajb.0800079.
- Sopha, G. A. *et al.* (2017) 'Teknik Penanaman Benih Bawang Merah Asal True Shallot Seed di Lahan Suboptimal (Planting Method of Seedling of Shallot from True Shallot Seed in Suboptimal Land)', *Jurnal Hortikultura*, 27(1), pp. 35–44. doi: 10.21082/JHORT.V27N1.2017.P35-44.
- Suwandi, Sopha, G. A. and Hermanto, C. (2016) *Petunjuk Teknis (Juknis) Proliga Bawang Merah 40 t/ha Asal TSS (= True Shallot Seed)*.
- Urwin, N. A. R. (2014) 'Generation and characterisation of colchicine-induced polyploid *Lavandula* × *intermedia*', *Euphytica*, 197(3), pp. 331–339. doi: 10.1007/s10681-014-1069-5.
- Vichiato, M. R. de M. *et al.* (2014) 'Morphological effects of induced polyploidy in *Dendrobium nobile* Lindl. (Orchidaceae)', *Crop Breeding and Applied Biotechnology*, 14(3), pp. 154–159. doi: 10.1590/1984-70332014v14n3a23.
- Wu, Y. *et al.* (2011) 'Identification of tetraploid mutants of *platycodon grandiflorus* by colchicine induction', *Caryologia*, 64(3), pp. 343–349. doi: 10.1080/00087114.2011.10589801.
- Wu, Y. *et al.* (2012) 'Cytogenetic characterization of induced tetraploids in medicinal plant (*Platycodon grandiflorus*)', *Caryologia*, 65(3), pp. 182–186. doi: 10.1080/00087114.2012.726518.
- Wu, Y. *et al.* (2013) 'Tetraploid induction and cytogenetic characterization for *Clematis heracleifolia*', *Caryologia*, 66(3), pp. 215–220. doi: 10.1080/00087114.2013.829689.
- Wulandari, A. W., Hidayat, S. H. and Sobir, S. (2016) 'Deteksi Virus pada Bawang Merah (*Allium cepa* var. *ascalonicum*) dengan Metode Dot Immuno Binding Assay', *Jurnal Hortikultura*, 25(4), p. 350. doi: 10.21082/jhort.v25n4.2015.p350-356.
- Yadav, R. *et al.* (2019) 'Investigating into the molecular interactions of flavonoids targeting NS2B-NS3 protease from ZIKA virus through in-silico approaches', *Journal of Biomolecular Structure and Dynamics*. Taylor & Francis, 0(0), pp. 1–13. doi: 10.1080/07391102.2019.1709546.
- Yap, T. L. *et al.* (2007) 'Crystal Structure of the Dengue Virus RNA-Dependent

- RNA Polymerase Catalytic Domain at 1.85-Angstrom Resolution', *Journal of Virology*, 81(9), pp. 4753–4765. doi: 10.1128/jvi.02283-06.
- Ye, Y. M. *et al.* (2010) 'Morphological and cytological studies of diploid and colchicine-induced tetraploid lines of crape myrtle (*Lagerstroemia indica* L.)', *Scientia Horticulturae*, 124(1), pp. 95–101. doi: 10.1016/j.scienta.2009.12.016.
- Yulagustinus and Nyoman Oka Tridjaja (2017) 'Jamu—A Healthy Drink of Indonesia', *Journal of Food Science and Engineering*, 7(4), pp. 221–226. doi: 10.17265/2159-5828/2017.04.007.
- Zhou, Y. *et al.* (2015) 'Transcriptomic analysis reveals differential gene expressions for cell growth and functional secondary metabolites in induced autotetraploid of chinese woad (*Isatis indigotica* fort.)', *PLoS ONE*, 10(3), pp. 1–19. doi: 10.1371/journal.pone.0116392.