DAFTAR PUSTAKA

Abdel-Latif, R., Fathy, M., Anwar, H.A., Naseem, M., Dandekar, T., Othman, E.M., 2022. Cisplatin-Induced Reproductive Toxicity and Oxidative Stress: Ameliorative Effect of Kinetin. *Antioxidants* 11, 863. https://doi.org/10.3390/antiox11050863

Adam, A.Z., Juiling, S., Lee, S.Y., Jumaat, S.R., Mohamed, R., 2017. Phytochemical Composition of Agathis borneensis (Araucariaceae) and Their Biological Activities. *The Malaysian Forester* 80, 169–177.

Aggarwal, G., Gaur, A., Srivastava, D.K., 2015. Establishment of High Frequency Shoot Regeneration System in Himalayan Poplar (*Populus ciliata* Wall. ex Royle) from Petiole Explants Using Thidiazuron Cytokinin as Plant Growth Regulator. *Journal of Forestry Research* 26, 651–656. https://doi.org/10.1007/s11676-015-0048-6

Agustina, M., Maisura, M., Handayani, Rd.S., 2020. The Effect of Different Seed Cutting Treatments and Concentrations of BAP for the Successful In Vitro Micrografting of Mangosteen (*Garcinia mangostana* L.). *Journal of Tropical Horticulture* 3, 1–5. https://doi.org/10.33089/jthort.v3i1.37

Ahmad, N., Faisal, M., Hussain, S.A., Anis, M., 2018. Regulation of Morphogenesis and Improvement in Shoot Multiplication in Vitex Species Using Thidiazuron, in: Ahmad, N., Faisal, M. (Eds.), *Thidiazuron: From Urea Derivative to Plant Growth Regulator*. Springer Singapore, Singapore, pp. 343–349. https://doi.org/10.1007/978-981-10-8004-3_18

Ahmed, A.H., Mohamed, S.A., 2022. Triterpenoids from *Agathis robusta* Aerial Parts and Their Hepatopotective Activity. *Pharmacognosy Journal* 14, 362–366. https://doi.org/10.5530/pj.2022.14.108

Akbar, A.M., Faridah, E., Indrioko, S., Herawan, T., 2017. Induksi Tunas, Multiplikasi dan Perakaran *Gyrinops versteegii* (Gilg.) Domke Secara *In Vitro*. *Jurnal Pemuliaan Tanaman Hutan* 11, 1–13.

Amelia, Z.R., Supriyanto, Wulandari, A.S., 2020. Effect of 6-BAP Application On Shoot Production of *Melaleuca alternifolia* Seedlings. *IOP Conference Series: Earth and Environmental Science* 528, 012063. https://doi.org/10.1088/1755-1315/528/1/012063

Andriani, C., Kadapi, M., Suminar, E., Nuraini, A., 2023. Perbandingan Efek BAP dan Kinetin Terhadap Laju Multiplikasi Stroberi Kultivar Sweet Charlie. *Jurnal Agroteknologi* 14, 13. https://doi.org/10.24014/ja.v14i1.18824

Aremu, A.O., Plačková, L., Bairu, M.W., Novák, O., Plíhalová, L., Doležal, K., Finnie, J.F., Van Staden, J., 2014. How Does Exogenously Applied Cytokinin Type Affect Growth and Endogenous Cytokinins in Micropropagated *Merwilla plumbea*? *Plant Cell, Tissue and Organ Culture* 118, 245–256. https://doi.org/10.1007/s11240-014-0477-5

Bala, R., Laura, J.S., Beniwal, V.S., 2018. Efficient In vitro Direct Regeneration From Nodal Explants of *Simmondsia chinensis* (Link) Schneider-A Potential Multipurpose Plant. *Plant Cell Biotechnology and Molecular Biology* 19, 256–265.

Barciszewski, J., Massino, F., Clark, B.F.C., 2007. Kinetin—A Multiactive Molecule. *International Journal of Biological Macromolecules* 40, 182–192. https://doi.org/10.1016/j.ijbiomac.2006.06.024

Bonfá, Y.S., De Laia Nascimento, V., Terra Werner, E., 2021. In Vitro Multiplication of *Cedrela fissilis* Vell.: A Threatened Brazilian Hardwood Forest Tree. *Plant Cell Culture & Micropropagation* 17, 1–11. https://doi.org/10.46526/pccm.2021.v17.165

Bredmose, N., Costes, E., 2017. Axillary Bud Growth, in: *Reference Module in Life Sciences*. Elsevier, p. B9780128096338050561. https://doi.org/10.1016/B978-0-12-809633-8.05056-1

Darma, I.D.P., Iryadi, R., Rahayu, A., Hanum, S.F., Sutomo, S., 2022. Keragaman Jenis Agathis di Dunia dan Riap Tahunan *Agathis dammara* (Lamb.) Poir. dan *Agathis borneensis* Warb. di Kebun Raya Eka Karya, Bali. *Buletin Kebun Raya* 25, 34–43.

Dewir, Y.H., Aldubai, A.A., El-Hendawy, S., Alsadon, A.A., Seliem, M.K., Naidoo, Y., 2018. Micropropagation of Buttonwood Tree (*Conocarpus erectus*) through Axillary Shoot Proliferation. *HortScience* 53, 687–691. https://doi.org/10.21273/HORTSCI12987-18

Dhiman, N., Gautam, N., Sareen, B., Kumari, P., Rajouria, S., Bhattacharya, A., 2018. In Vitro Morphogenesis of Some Himalayan Flora Using TDZ: A Potential Plant Growth Regulator, in: Ahmad, N., Faisal, M. (Eds.), *Thidiazuron: From Urea Derivative to Plant Growth Regulator*. Springer Singapore, Singapore, pp. 247–271. https://doi.org/10.1007/978-981-10-8004-3_12

Duarte, W.N., Zanello, C.A., Cardoso, J.C., 2019. Efficient and Easy Micropropagation of *Morus nigra* and The Influence of Natural Light on Acclimatization. *Advances in Horticultural Science* 33, 433-439 Pages. https://doi.org/10.13128/AHS-23476

Fajar, D., Cahyanto, T., Fadillah, A., 2018. Waktu Tumbuh Mata Tunas Daun *Mangifera indica* L. Pada Berbagai Tingkatan. Edubiotik. *Jurnal Pendidikan, Biologi dan Terapan* 3, 19–25. https://doi.org/10.33503/ebio.v3i01.73

Farjon, A., 2017. *A Handbook of the World's Conifers.* Volume 1, Second, revised edition. ed. Brill, Leiden Boston.

Fathy, M., Saad Eldin, S.M., Naseem, M., Dandekar, T., Othman, E.M., 2022. Cytokinins: Wide-Spread Signaling Hormones from Plants to Humans with High Medical Potential. *Nutrients* 14, 1495. https://doi.org/10.3390/nu14071495

George, E.F., Hall, M.A., Klerk, G.-J. de, 2008. *Plant Propagation by Tissue Culture*, 3rd ed. ed. Springer, Dordrecht.

Girgžde, E., Samsone, I., 2017. Effect of Cytokinins On Shoot Proliferation of Silver Birch (*Betula pendula*) in Tissue Culture. *Environmental and Experimental Biology* 15, 1–5. https://doi.org/10.22364/eeb.15.01

Gogoi, G., Borua, P.K., Al-Khayri, J.M., 2017. Improved Micropropagation and In Vitro Fruiting of *Morus indica* L. (K-2 cultivar). *Journal of Genetic Engineering and Biotechnology* 15, 249–256. https://doi.org/10.1016/j.jgeb.2017.02.005

Gough, K., Hargreaves, C., Steward, G., Menzies, M., Low, C., Dungey, H., 2012. Micropropagation of Kauri (*Agathis australis* (D.Don.) Lindl.): In Vitro Stimulation of Shoot and Root Development and the Effect of Rooting Hormone Application Method. *New Zealand Journal of Forestry Science* 42, 107–116.

Handayani, R.S., Nilahayati, N., Ismadi, I., Akmal, A., Aprilia, D., Sevia, E.D., 2024. Growth Response of Sweet Kaffir Lime (*Citrus hystrix*) Seeds Due to Kinetin and Coconut Water Application Using Tissue Culture Technique. *IOP Conference Series: Earth and Environmental Science* 1297, 1–7. https://doi.org/10.1088/1755-1315/1297/1/012015

Humánez, A., Blasco, M., Brisa, C., Segura, J., Arrillaga, I., 2011. Thidiazuron Enhances Axillary and Adventitious Shoot Proliferation in Juvenile Explants of Mediterranean Provenances of Maritime Mine *Pinus pinaster*. *In Vitro Cellular & Developmental Biology - Plant* 47, 569–577. https://doi.org/10.1007/s11627-011-9397-9

Iliev, I.A., 2017. Factors Affecting The Axillary and Adventitious Shoot Formation in Woody Plants In Vitro. *Acta Horticulturae* 1155, 15–28. https://doi.org/10.17660/ActaHortic.2017.1155.2

Ishii, K., Mohsin, R.B.H., 1994. Tissue Culture of Some Dipterocarps and Agathis in Brunei. *Bulletin of Forestry and Forest Products Research Institute* 366, 115–127.

Juan-Vicedo, J., Serrano-Martínez, F., Cano-Castillo, M., Casas, J.L., 2022. In Vitro Propagation, Genetic Assessment, and Medium-Term Conservation of the Coastal Endangered Species *Tetraclinis articulata* (Vahl) Masters (Cupressaceae) from Adult Trees. *Plants* 11, 187. https://doi.org/10.3390/plants11020187

Kashani, S.A., Asrar, M., Leghari, S.K., Ali, I., Agha, Q., Ali, S.A., 2018. In Vitro Callus Induction and Shoot Formation of *Juniperus excelsa* of Ziarat, Balochistan, Pakistan. *Fuuast Journal of Biology* 8, 203–208.

Kher, M.M., Joshi, D., Nekkala, S., Nataraj, M., P. Raykundaliya, D., 2014. Micropropagation of *Pluchea lanceolata* (Oliver & Hiern.) Using Nodal Explant. *Journal of Horticultural Research* 22, 35–39. https://doi.org/10.2478/johr-2014-0004

Krishnakumar, N., Parthiban, K., 2018. Micropropagation (In Vitro) Techniques for Sandal Wood (*Santalum album* L.). *Journal of Pharmacognosy and Phytochemistry* 7, 620–627.

Magdhalena, A.P., Asmanto, B.P., Sulandjari, S., Yunus, A., 2021. The Effect of Concentration and Time Interval of Kinetin Application on The Growth of Daun Duduk (*Desmodium triquetrum* L.) Seeds. *Journal of Biodiversity and Biotechnology*. 1, 29. https://doi.org/10.20961/jbb.v1i1.50418

Máximo, W.P.F., Santos, P.A.A., Mendonça, E.G., Santos, B.R., Paiva, L.V., 2015. Nitrate (NO3-) and Ammonium (NH4+) Ratios for Propagation of *Eucalyptus* Hybrid in Two Different In Vitro Cultivation Systems. *Australian Journal of Crop Science* 9, 1242–11248.

Meneguzzi, A., Konzen, E.R., Navroski, M.C., Camargo, S.S., Pereira, M.D.O., Rufato, L., Lovatel, Q.C., 2019. Shoot Multiplication of Two *Sequoia sempervirens* Genotypes with Addition of Small Concentrations of Kinetin. *Pesquisa Florestal Brasileira* 39, 1–8. https://doi.org/10.4336/2019.pfb.39e201701550

Muhammad, F., Wulandari, R., Muslimin, Wahyuni, D., 2020. Respons Pertumbuhan Tunas Jati (*Tectona grandis* L.F) pada Berbagai Konsentrasi BAP dan Kinetin Secara *In Vitro*. *Jurnal Warta Rimba* 8, 197–204.

Murashige, T., Skoog, F., 1962. A Revised Medium for Rapid Growth and Bioassays with Tobacco Tissue Cultures. *Physiologia Plantarium* 15, 473–497.

Naaz, A., Siddique, I., Ahmad, A., 2021. TDZ-Induced Efficient Micropropagation from Juvenile Nodal Segment of *Syzygium cumini* (Skill): A Recalcitrant Tree, in: Siddique, I. (Ed.), P*ropagation and Genetic Manipulation of Plants.* Springer Singapore, Singapore. https://doi.org/10.1007/978-981-15-7736-9

Nowakowska, M., Pavlović, Ž., Nowicki, M., Boggess, S.L., Trigiano, R.N., 2020. In Vitro Propagation of an Endangered *Helianthus verticillatus* by Axillary Bud Proliferation. *Plants* 9, 712. https://doi.org/10.3390/plants9060712

Pai, S.R., Desai, N.S., 2018. Effect of TDZ on Various Plant Cultures, in: Ahmad, N., Faisal, M. (Eds.), *Thidiazuron: From Urea Derivative to Plant Growth Regulator*. Springer Singapore, Singapore, pp. 439–454. https://doi.org/10.1007/978-981-10-8004-3_25

Pallardy, S.G., Kozlowski, T.T., 2008. *Physiology of Woody Plants*, 3rd ed. Elsevier, Amsterdam ; Boston.

Phillips, G.C., Garda, M., 2019. Plant Tissue Culture Media and Practices: An Overview. *In Vitro Cellular & Developmental Biology - Plant* 55, 242–257. https://doi.org/10.1007/s11627-019-09983-5

Pierik, R.L.M., 1997. *In Vitro Culture of Higher Plants.* Springer Netherlands, Dordrecht. https://doi.org/10.1007/978-94-011-5750-6

Putriana, Gusmiati, Restu, M., Musriati, Aida, N., 2019. Respon Kinetin dan Tipe Eksplan Jabon Merah (*Antocephalus macrophyllus* (Roxb.) Havil) Secara In Vitro. *Bioma : Jurnal BiologI Makassar* 4, 48–57.

Ram, K., Patel, A.K., Choudhary, S.K., Shekhawat, N.S., 2022. Synergetic Effects of TDZ With Various Phytohormones on High-Frequency Plant Regeneration From Mature Nodal Explants of *Capparis decidua* and Their Ex vivo Implications. *Plant Cell, Tissue and Organ Culture* 149, 621–633. https://doi.org/10.1007/s11240-022-02234-3

Rathore, J.S., Rathore, V., Shekhawat, N.S., Singh, R.P., Liler, G., Phulwaria, M., Dagla, H.R., 2004. Micropropagation of Woody Plants, in: *Plant Biotechnology and Molecular Markers*. Springer, Dordrecht.

Ružić, Đ., Vujović, T., Cerović, R., 2016. In Vitro Multiplication of Semi-Dwarfing Pear Rootstock 'Pyrodwarf' in Relation to Cytokinin Types. *Acta Horticulturae* 279–284. https://doi.org/10.17660/ActaHortic.2016.1139.49

Saïdi, R., Rahmouni, S., El Ansari, Z.N., Maouni, A., Badoc, A., Lamarti, A., 2019. Effect of Cytokinins on the Micropropagation of Carob (*Ceratonia siliqua* L.)

through Shoot Tip Culture. *American Journal of Plant Sciences* 10, 1469–1481. https://doi.org/10.4236/ajps.2019.109104

Salih, A.M., Al-Qurainy, F., Khan, S., Tarroum, M., Nadeem, M., Shaikhaldein, H.O., Alabdallah, N.M., Alansi, S., Alshameri, A., 2021. Mass Propagation of *Juniperus procera* Hoechst. Ex Endl. From Seedling and Screening of Bioactive Compounds in Shoot and Callus Extract. *BMC Plant Biology* 21, 192. https://doi.org/10.1186/s12870-021-02946-2

Santana, M. de J., Barbosa-Júnior, S.M., Dias, L.L.L., Silva, L.A.S., Da Silva, G.Z., Fortini, E.A., Batista, D.S., Otoni, W.C., Da Costa Netto, A.P., Rocha, D.I., 2022. A Novel In Vitro Propagation System for West Indian Elm [*Guazuma ulmifolia* Lam. (Malvaceae)]: A Valuable Medicina Woody Species. I*n Vitro Cellular & Developmental Biology - Plant* 58, 865–875. https://doi.org/10.1007/s11627-022-10275-8

Sarmast, M.K., Salehi, H., Khosh-Khui, M., 2012a. Micropropagation of *Araucaria excelsa* R. Br. var. glauca Carrière from Orthotropic Stem Explants. *Physiology and Molecular Biology of Plants* 18, 265–271. https://doi.org/10.1007/s12298-012-0115-9

Sarmast, M.K., Salehi, H., Ramezani, A., Abolimoghadam, A.A., Niazi, A., Khosh-Khui, M., 2012b. RAPD Fingerprint to Appraise the Genetic Fidelity of In Vitro Propagated *Araucaria excelsa* R. Br. var. glauca Plantlets. *Molecular Biotechnology* 50, 181–188. https://doi.org/10.1007/s12033-011-9421-7

Sitompul, S.M., Guritno, B., 1995. *Analysis of Plant Growth*. Universitas Gadjah Mada Press, Yogyakarta.

Stephane, G., Éliane, M.T., Hervé, K.S., Brahima, S.A., Koutoua, A., Mongomaké, K., 2023. Effect of Cytokinins on Micropropagation of Teak (*Tectona grandis* L.) Grown in Cote D'ivoire. *Journal of Advances in Biology & Biotechnology* 26, 1–11. https://doi.org/10.9734/jabb/2023/v26i10657

Stevens, M.E., Pijut, P.M., 2018. Rapid In Vitro Shoot Multiplication of the Recalcitrant Species *Juglans nigra* L. *In Vitro Cellular & Developmental Biology - Plant* 54, 309–317. https://doi.org/10.1007/s11627-018-9892-3

Steward, G.A., Kimberley, M.O., Mason, E.G., Dungey, H.S., 2014. Growth and Productivity of New Zealand kauri (*Agathis australis* (D.Don) Lindl.) in Planted Forests. *New Zealand Journal of Forestry Science* 44, 27. https://doi.org/10.1186/s40490-014-0027-2

Taha, R.A., Allam, M.A., Hassan, S.A.M., Bakr, B.M.M., Hassan, M.M., 2021. Thidiazuron-induced Direct Organogenesis from Immature Inflorescence of Three Date Palm Cultivars. *Journal of Genetic Engineering and Biotechnology* 19, 14. https://doi.org/10.1186/s43141-021-00115-4

Thorat, S.A., Kaniyassery, A., Poojari, P., Rangel, M., Tantry, S., Kiran, K.R., Joshi, M.B., Rai, P.S., Botha, A.-M., Muthusamy, A., 2022. Differential Gene Expression and Withanolides Biosynthesis During In Vitro and Ex Vitro Growth of *Withania somnifera* (L.) Dunal. *Frontiers in Plant Science* 13, 917770. https://doi.org/10.3389/fpls.2022.917770

Tikendra, L., Dey, A., Jamir, I., Sahoo, M.R., Nongdam, P., 2022. Cytokinin Influence on In Vitro Shoot Induction and Genetic Stability Assessment of

Dendrocalamus latiflorus Munro: A Commercially Important Bamboo in Manipur, North-East India. *Vegetos* 35, 1085–1095. https://doi.org/10.1007/s42535-022-00392-5

Timofeeva, S.N., Elkonin, L.A., Tyrnov, V.S., 2014. Micropropagation of *Laburnum anagyroides* Medic. through axillary shoot regeneration. *In Vitro Cellular & Developmental Biology - Plant* 50, 561–567. https://doi.org/10.1007/s11627-014-9618-0

Trivedi, D.R., Joshi, A.G., 2015. In Vitro Shoot Regeneration of *Stereospermum suaveolens* DC. Using Cotyledonary Node and Nodal Explants. *Plant Tissue Culture and Biotechnology* 24, 235–246. https://doi.org/10.3329/ptcb.v24i2.23556

Vinoth, A., Ravindhran, R., 2018. In Vitro Morphogenesis of Woody Plants Using Thidiazuron, in: Ahmad, N., Faisal, M. (Eds.), *Thidiazuron: From Urea Derivative to Plant Growth Regulator*. Springer Singapore, Singapore, pp. 211–229. https://doi.org/10.1007/978-981-10-8004-3_10

Vostálová, J., Škařupová, D., Plíhalová, L., Hönig, M., Zálešák, B., Rajnochová Svobodová, A., 2022. Photoprotective Properties of New Derivatives of Kinetin. *Photochemical & Photobiological Sciences* 22, 357–369. https://doi.org/10.1007/s43630-022-00320-1

Wang, Y., Yao, R., 2017. Plantlet Regeneration of Adult *Pinus massoniana* Lamb. Trees Using Explants Collected in March and Thidiazuron in Culture Medium. *Journal of Forestry Research* 28, 1169–1175. https://doi.org/10.1007/s11676-017-0412-9

Widyatmoko, D.D., 2019. Strategi Dan Inovasi Konservasi Tumbuhan Indonesia Untuk Pemanfaatan Secara Berkelanjutan, in: *Prosiding Seminar Nasional Pendidikan Biologi dan Saintek (SNPBS)*. Surakarta, pp. 1–22.

Zhao, X., Han, X., Wang, Q., Wang, X., Chen, X., Li, L., Fu, X., Gao, D., 2020. Early Bud Break 1 Triggers Bud Break in Peach Trees by Regulating Hormone Metabolism, The Cell Cycle, and Cell Wall Codifications. *Journal of Experimental Botany* 71, 3512–3523. https://doi.org/10.1093/jxb/eraa119