

DAFTAR PUSTAKA

- Aftab T. (2022). *Auxins, Cytokinin and Gibberellins Signaling in Plants*. Springer. ISSN 1867-9048. pp 78.
- Amtmann, A., & Michael, B. (2009). Regulation of Macronutrient Transport. *New Phytologist* 1(81): 35-52.
<https://doi.org/10.1111/j.1469-8137.2008.02666.x>
- Andaryani, S. (2010). Kajian Penggunaan Berbagai Konsentrasi BAP dan 2,4-D terhadap Induksi Kalus Jarak Pagar (*Jatropha curcas* L.) secara *in vitro*. Skripsi Fakultas Pertanian UNS. Surakarta.
- Anitasari, D., Dwi, R., Ida, A., & Ria, D. (2018). *Dasar-Dasar Kultur Jaringan Tanaman*. Yogyakarta Deepublish pp: 43-45.
- Ariani, R., Anggraito, Y., Rahayu, E. (2016). Respon Pembentukan Kalus Koro Benguk (*Mucuna pruriens* L.) pada Berbagai Konsentrasi 2,4 D dan BAP. *Jurnal MIPA* 39(1):20-28.
<https://doi.org/10.15294/ijmns.v39i1.7695>
- Brondani, G., Heron, W., Francisco, J., Antonio, N., Marcillio, A. (2012). Micropropagation of *Eucalyptus benthamii* to Form A Clonal Micro-Garden In Vitro Cell. *Jurnal Dev. Biology Plant* (48):478-487. DOI 10.1007/s11627-012-9449-9.
- Davies, P. (2013). *Plant Hormones: Physiology, Biochemistry, and Molecular Biology*. London: Springer pp:39-45.
- Desriatin, N. L. (2010). *Pengaruh Kombinasi Zat Pengatur Tumbuh IAA dan Kinetin terhadap Morfogenesis pada Kultur In Vitro Tanaman Tembakau (Nicotiana tabacum L. var. Prancak-95)*.
- Desriatin, N. L. 2010. *Pengaruh Kombinasi Zat Pengatur Tumbuh IAA dan Kinetin terhadap Morfogenesis pada Kultur In Vitro Tanaman Tembakau (Nicotiana tabacum L. var. Prancak-95)*. Skripsi. Biologi.

FMIPA ITS. Surabaya

Dhaliwal,S., Naresh,R., Agniva,M., Ravinder,S. (2019). Dynamics and Transformations of Micronutrient in Agricultural Soils as Influenced by Organic Matter Builds –Up : A review. *Environmental and Sustainability Indicator* 1- 2 ISSN 2665-9727. <https://doi.org/10.1016/j.indic.2019.100007>

Dharmawan A. & Wicaksono P. (2019). Pengaruh Kepadatan Kanopi Kayu Putih (*E. pellita*) Umur 1 dan 1,5 Tahun pada Komposisi Gulma. *Jurnal Produksi Tanaman* 7(7) :1339-1346. ISSN :2527-8452. <http://repository.ub.ac.id/id/eprint/165238>

Dodds,J. (2012). *Tissue Culture of Trees*. Sydney: Avi Press pp :1-7

EUCLID. (2020). *Eucalyptus pellita*. Diakses 23 November 2022, dari : [Eucalyptus pellita \(lucidcentral.org\)](http://lucidcentral.org/Eucalyptus_pellita)

Fatimah S, Susanto M, & Lukmandaru G. (2013). Studi Komponen Kimia Kayu *Eucalyptus pellita* F. Muell dari Pohon Plus Hasil Uji Keturunan Generasi Kedua di Wonogiri, Jawa Tengah. *Jurnal Ilmu Kehutanan* 7(1):57-69. <https://doi.org/10.22146/jik.6138>

Fatmawati, A. (2008). Kajian Konsentrasi BAP dan 2,4-D terhadap Induksi Kalus Tanaman *Artemisia annua* L. secara *In vitro*. Skripsi Fakultas Pertanian UNS. Surakarta.

Gao,F., dan Ayele,B. (2014). Functional Genomics of Seed Dormancy in Wheat : Advances and Prospects. *Frontiers in Plant Science* 5:458. DOI: 10.3389/fpls.2014.00458.

Gomez,C., Manuel,D., dan Olate,S. 2013. Somatic embryogenesis and Plant Regeneration in *Eucalyptus globulus* Labill. *Environmental science* 38(12): 874-880.DOI: [10.3390/plants9010038](https://doi.org/10.3390/plants9010038)

- Hendriyani,E., Warseno T. & Undaharta N. (2020). Pengaruh Jenis Eksplan dan Kombinasi Zat Pengatur Tumbuh (ZPT) Terhadap Induksi Kalus *Begonia bimaensis* Undaharta &Ardaka secara *In vitro*. *Buletin Kebun Raya* 23(1):82-90. DOI:[10.31602/zmip.v45i3.3481](https://doi.org/10.31602/zmip.v45i3.3481)
- Henriksson G, Brannvall E & Lennholm H. (2009). *The Trees : Pulp and Paper Chemistry and Technology: Wood Chemistry and Wood Biotechnology (Volume 1)*. Berlin: Walter de Gryuter pp.13 – 44.
- Herawan, T., & Ismail, B. (2009). Penggunaan Kombinasi Auksin dan Sitokinin untuk Menginduksi Tunas pada Kultur Jaringan Sengon (*Falcataria moluccana*) Menggunakan Bagian Kotiledon. *Jurnal Pemuliaan Tanaman Hutan*. 3(1): 23-31. DOI:[10.20886/jpth.2009.3.1.23-32](https://doi.org/10.20886/jpth.2009.3.1.23-32)
- Huxley,A. (1992). *The New RHS Dictionary of Gardening*. London: MacMillan Press ISBN 0-333-47494-5.
- Ibrahim,M., Hartati,R., Rubiyo., Purwito,A., & Sudarsono. (2013). Induksi Kalus Embriogenik dan Daya Regenerasi Kopi Arabika Menggunakan 2,4 Dichlorophenoxyacetic acid dan 6-BenzylAdenine. *Buletin RISTRI* 4(2): 91-98. DOI: 10.21082/JTIDP.V4N2.2013.P91-98
- Idrus, H & Fuadiyah S. (2021). Uji Coba Imbibisi pada Kacang Kedelai (*Glycine max*) dan Kacang Hijau (*Vigna radiata*). *SEMNAS BIO* 1:710-716. DOI : <https://doi.org/10.24036/prosemnasbio/vol1/93>
- Ikeuchi, M., K. Sugimoto & A. Iwase. (2013). Plant Callus: Mechanisms of Induction and Repression. *The Plant Cell* 25: 3159–3173. <https://doi.org/10.1105/tpc.113.116053>
- Indah, P. N. & D. Ermavitalini. (2013). Induksi Kalus Daun Nyamplung (*Calophyllum inophyllum* Linn.) pada Beberapa Kombinasi Konsentrasi 6-Benzylaminopurine (BAP) dan 2,4-Dichlorophenoxyacetic Acid (2,4-D). *Jurnal Sains dan Seni Pomits*

- 2(1):2337-3520. DOI: [10.12962/j23373520.v2i1.2571](https://doi.org/10.12962/j23373520.v2i1.2571)
- ITIS. (2022). *Eucalyptus pellita* F. Muell. <https://www.itis.gov/>. Diakses 9 November 2022, dari : [ITIS - Report: Eucalyptus pellita](#)
- Jain, V.K . (2022). *Fundamentals Plant Physiology (20th Edition)*. New Delhi: S Chad Publishing pp 544 ISBN: 978-93-550-1154-9.
- Jasmi. (2018). Uji Viabilitas Terhadap Benih Polyembrioni. *Jurnal Agrotek Lestari* 5(2):11-15 DOI:[10.35308/jal.v4i2.1626](https://doi.org/10.35308/jal.v4i2.1626)
- Juan, L., Lihua,W., Jing,L.,& Junhui,W. (2010). Effect of Different Plant Growth Regulators on Callus Induction in *Catapa bungei*. *African Journal of Agricultural Research* 5(19):2699-2704. [African Journal of Agricultural Research \(academicjournals.org\)](https://academicjournals.org/AgriculturalResearch)
- Kartikasari, P., Hidayat, T, Ratnasari E. (2013). Pengaruh Zat Pengatur Tumbuh 2,4 D dan Kinetin untuk Petumbuhan Tunas Eksplan Pucuk Tanaman Jabon (*Anthocephalus cadamba* Miq. Ex Roxb.). *LenteraBio* 2(1): 75-80. [LenteraBio: Berkala Ilmiah Biologi \(unesa.ac.id\)](https://lentera.bio.unesa.ac.id/)
- Kermode, R. (2005). Role of Absciscic Acid in Seed Dormancy. *Journal Plant Growth Regulator* 24(4):319-344. DOI:10.1111/j.1365-313X.2011.04683.x
- Kosmiatin, M., Husni, A. & Mariska, I. (2005). Perkecambahan dan Perbanyakan Gaharu secara *In vitro*. *Jurnal AgroBiogen* 1(2):62-67. DOI: [10.21082/jbio.v1n2.2005.p62-67](https://doi.org/10.21082/jbio.v1n2.2005.p62-67)
- Kramer, W., Ulrich, S., peter ,J., matthias W. 2012. *Modern Crop Protein Compounds (3th Edition)*. New Jersey Wiley publisher ISBN: 9783527644179 pp. 573
- Lukmana, M., & Rahmawati, L. (2012). Kondisi Eksplan Daun Karet (*Hevea 79 brasiliensis*) Terhadap Perlakuan Sterilisasi dalam Kultur In-vitro. *Jurnal Budidaya Tanaman Perkebunan Politeknik Hasnur* 2(2) : 61-66a. DOI:[10.5658/WOOD.2016.44.4.571](https://doi.org/10.5658/WOOD.2016.44.4.571)

- Lukmandaru,G., Umi,F., Djoko,S.,Widyanto,D & Mudji,S. (2016). Chemical Properties and Fiber Dimension of *Eucalyptus pellita* from The 2nd Generation of Progeny Tests in Pelaihari, South Borneo, Indonesia. *Jurnal Korean Wood Science* 44(4) : 571-588. DOI:[10.5658/WOOD.2016.44.4.571](https://doi.org/10.5658/WOOD.2016.44.4.571)
- Marbun,C., Nurita,T., Reflini,C., & Tony,L. (2015). Micropropagation of Embryogenic Callus of Oil Palm (*Elaeis guineensis* Jacq.) Using Temporary Immersion System. *Procedia Chemistry* 14:122-129 DOI: 10.1016/j.proche.2015.03.018.
- Naning,Y., Megawati,, dan Budi,L. (2017). Pengaruh Metode Perkecambahan dan 19 Substrat Kertas Terhadap Viabilitas Benih *Eucalyptus pellita* F. Muell. *Jurnal Pendidikan Kehutanan Wallacea* 6(1):13-19 ISSN 2407-7860. DOI:[10.18330/jwallacea.2017.vol6iss1pp13-19](https://doi.org/10.18330/jwallacea.2017.vol6iss1pp13-19)
- Nehra,S., Becwar,R., Rottmann,H., Pearson,L., Chowdhury,K., Chan,S., Wilde,D., Kodrzyck,J., Zhang,C., Gause,K., Parks,W., Hinchee,A. (2005). Forest Biotechnology: Innovative Methods, Emerging Opportunities In vitro cell . *Dev Biol Plant* 41:701–717. DOI: 10.1079/IVP2005691
- Orwa,C., Mutua,A., Kindt,R., Jamnadass,R., & Anthony. (2009,8 November). Agroforestry Database A Tree Reference and Selection Guide Version 4.0. Diakses dari: <http://www.worldagroforestry.org/sites/treedbs/treedatabases.asp>.
- Pamoengkas, P dan Maharani., P. (2018). Manajemen Tempat Tumbuh pada Tanaman *Eucalyptus pellita* di PT. Perawang Sukses Perkasa Industri, Distrik Lipat Kain, Riau. *Jurnal Silvikultur Tropika* 9(2):79-84. ISSN: 2086-8227. DOI: <https://doi.org/10.29244/j-siltrop.9.2.79-84>
- Pinto, G., Park, Y.S., Silva, S., Neves, L., Araujo, C. and Santos, C. (2008) Factors Affecting Maintenance, Proliferation, and Germination of

Secondary Somatic Embryos of *Eucalyptus globulus* Labill. Plant Cell,
Tissue Organ Culture, 95, 69-78.

<https://doi.org/10.1007/s11240-008-9417-6>

Pinto, G., Yillsung, P., Loureno, J., Neves, L., Araujo, C., Silva, S., & Santos, C. 2009. Somatic Embryogenesis in *Eucalyptus*.--> gatau ini jurnal atau apa

Pramono, P., Harijati, N., & Widoretno, W. (2021). Effect of The Combination of NAA and BA on Callus Induction from Hypocotyl Explants in Black Cumin (*Nigella sativa* L.). *Earth and Environmental Science* 743:1-7. doi:10.1088/1755-1315/743/1/012013

Priadi, D. & Sudarmonowati, E. (2006). Pengaruh Komposisi Media dan Ukuran Eksplan terhadap Pembentukan Kalus Embriogenik Beberapa Genotip Lokal Ubi Kayu (*Manihot esculenta* Crantz). *Biodiversitas* 7 (3):269-272. DOI:10.13057/biodiv/d070315

Rasud, Y dan Bustaman. (2020). Induksi Kalus Secara In Vitro Dari Daun Cengkeh (*Syzigium aromaticum* L.) dalam Media Dengan Berbagai Konsentrasi Auksin. *Jurnal Ilmu Pertanian Indonesia* 25(1):67-72. DOI: 10.18343/jipi.25.1.67

Ribeiro, I., Gayer, C., Catro, T. & Albarello, N. (2015). Compact Callus Cultures and Evaluation of the Antioxidant Activity of *Hovenia dulcis* Thunb. (Rhamnaceae) Under In Vivo and In vitro Culture Conditions. *Journal of Medicinal Plant Research* 9(1): 8-13. DOI:[10.5897/JMPR2014.5622](https://doi.org/10.5897/JMPR2014.5622)

Romas, M., Ikhwan, P., Lies, I. & Sonny, K. (2017). Potensi Kertas Sebagai Bahan Baku *paper ropes*. *Jurnal Selulosa* 7(2): 91-100. ISSN 2527-6662. DOI:[10.25269/jsel.v7i02.173](https://doi.org/10.25269/jsel.v7i02.173)

- Roostika, I., Mariska, I., Khumaida, N. & Wattimena, G. (2012). Indirect Organogenesis and Somatic Embriogenesis of Pineapple Induced by Dichlorophenoxy Acetic Acid. *Journal AgroBiogen* 8(1):8-18. DOI:[10.21082/jbio.v8n1.2012.p8-18](https://doi.org/10.21082/jbio.v8n1.2012.p8-18)
- Sabzevar, T.S., R. A. Ghavidel & S. Foroghian. (2015). The Effect of Phytohormones on Lavender (*Lavandula Angustifolia* Mill.) Organogenesis. *Journal of Pharmacy and Pharmacology* 3: 338-344. DOI: 10.17265/2328-2150/2015.07.004.
- Sari, H., Dwiwati, M. & Budisantosa, I. (2015). Efek NAA dan BAP terhadap Pembentukan Tunas, Daun dan Tingi Tunas Stek Mikro *Nepenthes ampullaria* Jack. *Biosfera* 32(3):194-201. DOI:<https://doi.org/10.20884/1.mib.2015.32.3.343>.
- Shwe S. & Leung W. M. (2020). Plant Regeneration from *Eucalyptus bosistoana* Callus Culture *in vitro* *Cellular & Developmental Biology-Plant* (56):718-725. <https://doi.org/10.1007/s11627-020-10093>
- Sitinjak, M., Isda, M. & Fatonah, S. (2015). Induksi Kalus dari Eksplan Daun *In vitro* Keladi Tikus (*Typhonium* sp.) dengan Perlakuan 2,4-D dan Kinetin. *Al-Kauniyah Jurnal Biologi* 8(1):32-39. DOI:<https://doi.org/10.15408/kauniyah.v8i1.2703>
- Sulchantini, E., Eliyani & Alvera, N. (2020). Morfogenesis Eksplan Tunas *Eucalyptus pellita* F. Muell secara *In vitro* pada Media Murashige and Skoog dengan Zat Pengatur Tumbuh Benzil Amino Purin. *Ziraa'ah* 45(3):299-305. DOI:[10.31602/zmip.v45i3.3481](https://doi.org/10.31602/zmip.v45i3.3481)
- Suprpto, A. (2004). Auksin Zat Pengatur Tumbuh Penting Meningkatkan Mutu Stek Tanaman. *Jurnal UTM* 21(1): 81-90. <http://jurnal.utm.ac.id/index.php/jpi/article/view/257>
- Surip., Kartikaningtyas, D. & Handayani, B. (2020). Teknik Pembibitan

Eucalyptus lemon (*Eucalyptus citriodora*) Penghasil Minyak Atsiri.
Informasi teknik 18: 1-7. ISSN : 1412-8284

Thielges, B., Setijati, D. & Anto, R. (2001). *In Situ and Ex Situ Conservation of Commercial Tropical Trees*. Yogyakarta: UGM press pp: 509-524

Thomy, Z. (2012). Effect of Plant Growth Regulator 2,4-D and BAP on Callus Growth of Plants Producing Gaharu (*Aquilaria malaccensis* Lamk.).
Prosiding Seminar Hasil Nasional Biologi. Medan 11 Mei 2012 *

Thorpe, T. (2007). History of Plant Tissue Culture. *Mol Biotechnol* 37:169–180. doi: 10.1007/s12033-007-0031-3.

Wahyuni, K., Andriani, P., Ansori, M., & Utami, W. (2017). Callus Induction of Gendarussa (*Justicia gendarussa*) by Various Concentration of 2,4-D, IBA and BAP. *Biosaontifika Journal of Biology & Biology Education* 9(3): 402 – 408.
<https://doi.org/10.15294/biosaintifika.v9i3.11347>

Weitbrecht, K., Muller, K., & Leubner, G. (2011) First off The Mark : Early Seed Germination. *Journal of Experimental Botany* 62:3289-3309.

Wu, F., Karioti, A., Rohr, D., Bilia, R., & Efferth, T. (2016). Production of Rosmarinic Acid and Salvianolic Acid B from Callus Culture of *Salvia Miltiorrhiza* with Cytotoxicity Towards Acute Lymphoblastic Leukemia Cells. *Food Chem* 201 : 292–297.
DOI: [10.1016/j.foodchem.2016.01.054](https://doi.org/10.1016/j.foodchem.2016.01.054)