

BIBLIOGRAPHY

- Abbas, M. S., Hussein, S. T., Usama I. A., Hattem, M. E., & El-Sayed, I. G. 2011. *In Vitro* Propagation of Ginger (*Zingiber officinale* Rosco). *Journal of Genetic Engineering and Biotechnology* 9:165-172. <https://doi.org/10.1016/j.jgeb.2011.11.002>.
- Ai., N. S. & Banyo, Y. 2011. Konsentrasi Klorofil Daun sebagai Indikator Kekurangan Air Pada Tanaman. *Jurnal Ilmiah Sains* 11(2): 166-173. <https://doi.org/10.35799/jis.11.2.2011.202>.
- Alamsjah, F., Anthoni, A., & Tri, W. N. A. 2023. Uji Antibakteri Ekstrak Rimpang Koenih Rimbo (*Curcuma sumatrana* Miq.) Tumbuhan Endemik Sumatra Barat Terhadap Bakteri Gram Positif. *Bioscientist: Jurnal Ilmiah Biologi* 11(1): 561-570. <https://doi.org/10.33394/bioscientist.v11i1.7697>.
- Antoniuzzi, D., Meire, P. D. S. F., Andressa, B. N., Flavia, A. S., Leila, A. S. P., Moacir, P., & Helida, M. M. 2016. Growth Regulators, DNA Content and Anatomy *In Vitro* Cultivated *Curcuma Longa* Seedlings. *African Journal of Biotechnology* 15(32): 1711-1725. <https://doi.org/10.5897/AJB2016.15445>.
- Aprilia, K. 2011. *Pembentukan Tunas Lengkek Dataran Rendah (Dimorcarpus longan Lour) pada Berbagai Konsentrasi IBA dan Kinetin Secara in Vitro*. Skripsi. Fakultas Pertanian Universitas Sebelas Maret. Surakarta.
- Ardiyani, M., Anggara, A. & Leong-Kornickova, J. 2011. Rediscovery of *Curcuma sumatrana* (Zingiberaceae) Endemic to West Sumatra. *Blumea Biodiversity, Evolution and Biogeography of Plants* 56(1): 6-9. <https://doi.org/10.3767/000651911X558360>.
- Asharo R. K., Dini, E., & 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, HW-1 dan THA Secara *In Vitro*. *Jurnal Sains dan Seni Pomits* 2(1): 2337-3520. <http://dx.doi.org/10.12962/j23373520.v2i2.3653>.
- Asmara, R., Endang, N., & Zulkifli. 2014. Kandungan Klorofil Planlet Cabai Merah (*Capsicum annum* L) Hasil Seleksi dengan Asam Salisilat Secara *in vitro*. *Prosiding Seminar Hasil - Hasil Penelitian*. Universitas Lampung. Bandar Lampung.
- Aulia, M. I., Rustikawati, & Entang, I. 2020. Respon Temu Putih dan Temu Mangga dengan Pemberian BA dan 2,4-D Secara *In Vitro*. *Gema Agro* 25(2): 92-102.

- Bhojwani, S. S. & M. K. Razdan. 1996. *Plant Tissue Culture: Theory and Practice*. Elsevier Science B.V. Amsterdam.
- Chellamuthu, V. R., Elena, E., Tatjana, L., Jan, L., Ekaterina, M., Christina, H., Marcus, D. H., & Karl, F. 2014. A Widespread Glutamine-Sensing Mechanism in the Plant Kingdom. *Cell* 159(5): 1188–1199. <https://doi.org/10.1016/j.cell.2014.10.015>.
- Das, A. and N. Mandal. 2010. Enhanced Development of Embryogenic Callus in *Stevia rebaudiana* Bert. by Additive and Amino Acids. *Biotechnology* 9(3): 368-372. <https://doi.org/10.3923/biotech.2010.368.372>.
- Dewanti, P. 2018. *Teknik Kultur Jaringan Tanaman: Prinsip Umum dan Metode Aplikasi di Bidang Bioteknologi Pertanian*. UPT Percetakan & Penerbitan Universitas Jember. Jember.
- Dixon, R. A., & Gonzales, R. A. 1994. *Plant Cell Culture A Practical Approach. Second Edition*. Oxford University Press. England.
- El-Gabory, M. T. E. & Andiman, W. A. 2018. Effect of Glutamine and Polyamines in Micropropagation of Strawberry Plants. *Journal of Agriculture and Veterinary Science* 11(5): 8-11. <http://dx.doi.org/10.9790/2380-1105010811>.
- El-Hawaz R. F., William, C. B., & Jeffrey, W. A. 2015. *In Vitro* Growth of *Curcuma longa* L. in Response to Five Mineral Elements and Plant Density in Fed-Bath Cultures Systems. *Plos One* 10:1-13. <https://doi.org/10.1371/journal.pone.0118912>.
- El-Shayeb, N. S. A., Reem, H. I. H., & Mohammed, I. A. M. 2021. Impact of Nano Chitosan Rate and Glutamine Acid Concentration on Growth, Yield and Volatile Oil Production of Coriander Plants. *Journal of Bio-agriculture* 1(1): 15-24. <https://doi.org/10.37256/jba.112021486>.
- Ermayanti, T. M., Erwin, A. H., & Betalini, W. P. 2010. Kultur Jaringan Jahe Merah (*Zingiber officinale* Rosc.) Pada Media Sederhana Sebagai Upaya Konservasi Secara *In Vitro*. *Berk. Penel. Hayati Edisi Khusus* 4: 83–89.
- Faridah, Q. Z., Abdelmageed, A, Julia, A. A., & Nor Hafizah. 2011. Efficient *In Vitro* Regeneration of *Zingiber zerumbet* Smith (A Valuable Medicinal Plant) Plantlets from Rhizome Bud Explants. *Journal of Biotechnology* 10(46): 9303-9308. <https://doi.org/10.5897/AJB11.1182>.
- Fithriyandini, A., Moch, D. M., & Tatik, W. 2015. Pengaruh Media Dasar 6-Benzylaminopurine (BAP) Terhadap Pertumbuhan dan Perkembangan Nodus Tangkai Bunga Anggrek Bulan (*Phalaenopsis Amabilis*) dalam Perbanyakam Secara *In Vitro*. *Jurnal Produksi tanaman* 3(1): 43-39. <https://dx.doi.org/10.21176/protan.v3i1.167>.

- George, E. F., Michael, A. H., & Geert, J. D. K. 2008. *Plant Propagation by Tissue Culture 3rd Edition: Volume 1. The Background*. Exegetic Basingstoke. UK.
- Gowda, V., W. John K., & Thet, H. 2012. Two New Species of Gingers (Zingiberaceae) from Myanmar. *PhytoKeys* 13: 5–14. <https://doi.org/10.3897/phytokeys.13.2670>.
- Greenwell, Z. L. & John, M. R. 2018. Effect of Glutamine and Arginine on Growth of *Hibiscus moscheutos* “In Vitro”. *Journal Ornamental Horticulture* 24(4): 393-399. <https://dx.doi.org/10.14295/oh.v24i4.1198>.
- Gunawan, B. & Citra, D. A. 2010. Karakterisasi Spektrofotometri dan Scanning Electron Microcopy (SEM) Sensor Gas dari Bahan Polimer Poly-Etilene Glycol (PEG). *Jurnal Sains dan Teknologi* 3(2): 1979-6870. http://jurnal.umk.ac.id/?page_id=1386.
- Gunawan, L. W., 1992. *Teknik Kultur Jaringan*. Laboratorium Kultur Jaringan Tanaman. Bioteknologi IPB. Bogor.
- Haeria. 2012. *Organogenesis Tanaman Jarak Pagar (Jatropha curcas L) Pada Medium MS dengan Penambahan Berbagai Konsentrasi BAP dan NAA*. Skripsi. Fakultas MIPA Universitas Tadulako. Palu.
- Harahap, P. S., Luthfi, A. M. S., & Yusuf, H. 2015. Kajian Awal: Respon Eksplan Nodus dalam Inisiasi Tunas Mikro Tanaman Karet (*Hevea brasiliensis* Muell. Arg.) dalam Medium MS. *Journal Online Agroektobologi* 3(1): 229-237. <https://dx.doi.org/10.32734/jaet.v3i1.9387>.
- Hardjo, P. H. 2013. Perbanyakan Mikro Tebu (*Saccharum* spp. hybrids) Melalui Kultur Kalus. *Jurnal Ilmiah Sains dan Teknologi* 7(1): 15-20. <http://repository.ubaya.ac.id/id/eprint/31036>.
- 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*. Skripsi. Fakultas Sains dan Teknologi. Universitas Islam Negeri Maulana Malik Ibrahim. Malang.
- Hoesen, D. S. H. dan Poerba Y. S. 1992. *Perbanyakan Tanaman Jane Merah {Zingiber officinale Rose. var. Roebra.} Dengan Teknik Kultur Jaringan*. Prosiding Seminar Hasil Penelitian dan Pengembangan Bioteknologi. Puslitbang Bioteknologi-LIPI. Bogor.
- Ikeda, R. L. & Michael, J. T. 1989. *In Vitro* Subculture Application for Ginger. *Hort. Science* 24(1): 142-143. <https://doi.org/10.21273/HORTSCI.24.1.142>.

- Intias, S. 2011. *Pengaruh Berbagai Konsentrasi 2,4-D dan BAP Terhadap Pembentukan Kalus Purwoceng (Pimpinella pruatjan) Secara In vitro*. Skripsi. Fakultas Pertanian Universitas Sebelas Maret. Surakarta.
- Iranbakhsh, A., Mostafa, E., & Zahra, Z. 2011. Effects of Nitrogen and Potasium on *In Vitro* Microtuberization of Potato (*Solanum tuberosum* L. var Agria). *Australian Journal of Basic and Applied Science* 5(12): 442-448.
- Isda, M. N., & Siti, F. 2014. Induksi Akar Pada Eksplan Tunas Anggrek *Grammatophylum scriptum* var. citrinum Secara *In Vitro* Pada Media MS Dengan Penambahan NAA dan BAP. *Al-Kauniah Jurnal Biologi* 7(2): 53-57. <http://dx.doi.org/10.15408/kauniah.v7i2.2715>.
- Islam, M. O., Abu, R. M. M. R., Shuichiro, M., & A. K. M. A. Prodhan. 2003. Effects of Complex Organic Extracts on Callus Growth and PLB Regeneration Through Embryogenesis in the Doritaenopsis Orchid. *Japan Agricultural Research Quarterly* 37(4): 229–235. <https://doi.org/10.6090/jarq.37.229>.
- Isnaini, Y. & Handini, E. 2007. Perkecambahan Biji Kantong Semar (*Nepenthes Garcilis* Korth.) Secara *In Vitro*. *Buletin Kebun Raya Indonesia* 10(2). <https://dx.doi.org/10.14203/bkr.v10i2.88>.
- IUCN. 2019. *Curcuma sumatrana*. The IUCN Red List of Threatened Species.
- Jena., Asit Ray, Ambika S., Suprava S., Biswabhusan D., Basudeba K., & Sanghamitra N. 2020. Rapid Plant Regeneration in Industrially Important *Curcuma Zedoaria* Revealing Genetic and Biochemical Fidelity of The Regenerants. *Biotech* 10(1): 17. <https://doi.org/10.1007/s13205-019-2009-9>.
- Kan, C. C., Chung, T. Y., Juo, Y. A., & Hsieh, M. H. 2015. Glutamine Rapidly Induces The Expression of Key Transcription Factor Genes Involved In Nitrogen And Stress Responses In Rice Roots. *BMC Genomics* 16(1): 731. <https://doi.org/10.1186/s12864-015-1892-7>.
- Karyanti, T. Sukarnih, Y. Rudiyan, N. F. Hanifah, N. Sa'adah, & Dasumiati. 2020. Micropropagation of Red Ginger (*Zingiber officinale* Rosc. Var. Rubrum) Using Several Types of Cytokinins. *Journal of Physics* 1751(2021). <http://dx.doi.org/10.1088/1742-6596/1751/1/012051>.
- Khumaida, Sintho, W. A., Adi, S., & Latifa, N. A. 2019. *In Vitro* Multiplication and Acclimatization of Black Galingale (*Curcuma Aeruginosa* Roxb.). *Journal of Applied Pharmaceutical Science* 9(4): 110-116. <http://dx.doi.org/10.7324/JAPS.2019.90414>.
- Kusuma, Y.W.C., Dodo, & Widyatmoko, D. 2008. Koleksi Tumbuhan Terancam Kepunahan di Kebun Raya Bogor. *Buletin Kebun Raya* 11(2): 33-45. <https://dx.doi.org/10.14203/bkr.v11i2.85>.

- Latifah, R., Titien, S., & Ernawati, N. 2017. Optimasi pertumbuhan Planlet *Cattleya* melalui kombinasi media Murashige Skoog dan bahan organik. *Journal of Applied Agricultural Science* 1(1): 59-68. <https://doi.org/10.25047/agriprima.v1i1.20>.
- Lavanya, A. R., Muthukrishnan, S., Kumaresan, V., Benjamin, J. H. F., & Rao, M. V. 2012. *In Vitro* Micropropagation of *Hildegardia populifolia* (Roxb.) Schott & Endl an Endangered Tree Species from Eastern Ghats of Tamil. Nadu, India. *Journal of Agricultural Technology* 8(5).
- Lestari, E. G. & Sri, H.. 2005. Produksi Bibit Kencur (*Kaempferia galanga* L.) Melalui Kultur Jaringan. *Berita Biologi* 7(6). <http://dx.doi.org/10.14203/beritabiologi.v7i6.866>.
- Lizawati. 2012. Poliferasi Kalus dan Embriogenesis Somatik Jarak Pagar (*Jatropha Curcas* L.) dengan Berbagai Kombinasi ZPT dan Asam Amino. *Bioplantae* 1(4).
- Marlina, N. 2009. Teknik Perbanyak Lili dengan Kultur Jaringan. *Buletin Teknik Pertanian Ciharang* 14 (1): 6-8. <https://lib.ui.ac.id/m/detail.jsp?id=127220&lokasi=lokal>.
- Masaaki, D., K. Osamu, & N. Yuji. 2000. Efficient Anther Culture Method of the Japonica Rice Cultivar Koshihikari. *Breed Sci* 50(3): 197-202. <http://dx.doi.org/10.1270/jsbbs.50.197>.
- Mastuti. 2017. *Dasar – Dasar Kultur Jaringan Tumbuhan*. UB Press. Malang.
- Maysyaroh & Netty, E. 2018. Efektifitas Jenis Asam Amino dan Variasi Konsentrasi Sukrosa Terhadap Pertumbuhan Planlet Kentang (*Solanum tuberosum* L.). *Agriprima* 2(2). <https://doi.org/10.25047/agriprima.v2i2.114>.
- Mayura, E. 2020. *Pengaruh Berbagai Komposisi Media Terhadap Induksi Tunas Tanaman Nilam (Pogostemon cablin Benth)*. Prosiding Webminar Nasional Series Sistem Pertanian Terpadu Dalam Pemberdayaan Petani di Era New Normal. pp. 42-58. <http://repository.pppn.ac.id/id/eprint/509>.
- Melati, C. A., E. Handayani, & T. Herawan. 2021. Pengaruh Berbagai Konsentrasi Glutamin Terhadap Pertumbuhan Tunas *Aquilaria malaccensis* Lamk. Secara Kultur Jaringan. *Jurnal Pemuliaan Tanaman Hutan* 15(2). <https://doi.org/10.20886/jpth.2021.15.2.145-151>.
- Menendez, M., Herrera, J. & Comin, F. A. 2002. Effect of Nitrogen and Phosphorus Supply on Growth, Chlorophyll Content and Tissue Composition of The Macroalga *Chaetomorpha linum*. *Scientia Marina* 66(4). <https://doi.org/10.3989/scimar.2002.66n4355>.

- Meynarti, S. D. I., Oti R., & Nurul K. 2010. Pengaruh Umur Eksplan Terhadap Keberhasilan Pembentukan Kalus Embriogenik Pada Kultur Meristem Jahe (*Zingiber officinale* Rosc). *Jurnal Littri* 16(1): 37-42. <https://dx.doi.org/10.21082/littri.v16n1.2010.37%20-%2042>.
- Miquel, F. A. W. 1861. *Flora van Nederlandsch Indie, Eerste Bijvoegsel*. C. G. van der post. Amsterdam.
- Mustafa, N., N. Ya'acob., Z. A. Latif., & A. L. Yusof. 2015. Quantification of Oil Palm Tree Leaf Pigment (Chlorophyll A) Concentration Based on Their Age. *Jurnal Teknologi* 75: 129-134. <https://doi.org/10.11113/jt.v75.5341>.
- Nofrianinda, V., F. Yulianti, & E. Agustina. 2017. Pertumbuhan Planlet Stroberi (*Fragaria ananassa*) Var. Dorit Pada Beberapa Variasi Media Modifikasi *In Vitro* di Balai Penelitian Jeruk dan Buah Subtropika (Balitjestro). *J. Biotropic* 1(1): 41 –50. <https://doi.org/10.29080/biotropic.2017.1.1.32-41>.
- Nurainas & Ardiyani, M. 2019. *Curcuma sumatrana*. *The IUCN Red List of Threatened Species*.
- Nurchayani, E., Desti, D. R., Sri, W., Mahfut. 2020. Analisis Kadar Klorofil Pada Buncis (*Phaseolus vulgaris* L.) Terinduksi Indole Acetic Acid (IAA) Secara *In Vitro*. *Analit: Analytical and Environmental Chemistry Volume* 5(1).
- Nurfadilah, S. 2016. The Effect of Culture Media and Activated Charcoal on Asymbiotic Seed Germination and Seedling Development of A Threatened Orchid *Dendrobium taurulinum* J.J. Smith *In Vitro*. *Berita Biologi* 15(1): 49-57. <http://dx.doi.org/10.14203/beritabiologi.v15i1.2857>.
- Ogita, S., H. Sasamoto, E. C. Yeung, and T. A. Thorpe. 2001. The Effects of Glutamine on the Maintenance of Embryogenic Cultures of *Cryptomeria japonica*. *In Vitro Cell. Dev. Biol. Plant* 37:268-273. <http://dx.doi.org/10.1007/s11627-001-0048-4>.
- Ogita, S., T. Kubo, & M. Fushitani. 1997. Caulogenic Callus Induction and Adventitious Bud Formation from Embryos of Long-term Stored Seeds of *Picea jezoensis*. *J. For. Res.* 2:141-145. <https://doi.org/10.1007/BF02348211>.
- Okumoto, S., Dietmar, F., Maurizio, T., & Giuseppe, F. 2016. Editorial: Amino Acids of the Glutamate Family: Functions beyond Primary Metabolism. *Frontiers in Plant Science* 7. <https://doi.org/10.3389/fpls.2016.00318>.
- Patil, G., R. Patel, R. Jaat, A. Pattanayak, P. Jain, & R. Srinivasan. 2009. Glutamine Improves Shoot Morphogenesis in Chickpea (*Cicer arietinum* L.). *Acta Physiol. Plant.* 31(5): 1077-1084. <http://dx.doi.org/10.1007/s11738-009-0319-y>.

- Pola, S., N. Saradamani, & T. Ramana. 2007. Enhanced Shoot Regeneration in Tissue Culture Studies of Sorghum Bicolor. *J. Agric Tech* 3(2):275-286.
- Pratama, J., & Nilahayati. 2018. Modifikasi Media MS dengan Penambahan Air Kelapa untuk Subkultur I Angrek Cymbidium. *Jurnal Agrium* 15(2): 96-109. <https://doi.org/10.29103/agrium.v15i2.1071>.
- Purwanto, A. W. 2007. *Budi Daya ex-situ Nepenthes Kantong Semar nan Eksotis*. Kaninus. Yogyakarta.
- Rahman, A. T., Rafia, Aiken, J., Putra, S., Viol, D. K., Ahmad, A. A. M., Devi, P., Nunuk, H. S., A. N. M. Ansori, Kuswati, Riso S. M., Kawther A. M. S. A., Nur F., Mohd Y., Vikash J., Maksim R., Rahadian Z., Kiran D., Tarun P., Muhammad A. Ghifari., & Deffi A. P. S. 2022. In Silico Study of the Potential of Endemic Sumatra Wild Turmeric Rhizomes (*Curcuma sumatrana*: Zingiberaceae) As Anti-Cancer. *Journal Pharmacogn* 14(6): 806-812. <http://dx.doi.org/10.5530/pj.2022.14.171>.
- Rahman, M. M., Amin, M. N., Jahan, H. S., & Ahmed, R. 2004. *In vitro* Regeneration of Planlets of *Curcuma longa* Linn. A Valuable Spice Plant in Bangladesh. *Asian Journal Plant Sci* 3:306-309. <https://doi.org/10.3923/ajps.2004.306.309>.
- Rahmawati, Sepdian, L. A., & Nurul, S. 2020. Inisiasi Akar Secara *In Vitro* pada Stevia (*Stevia rebaudiana* Bertoni) dengan Modifikasi Media Murashige and Skoog (MS) dan Beberapa Tipe Auksin. *Jurnal Ilmiah Inovasi* 20(3). <https://doi.org/10.25047/jii.v20i3.2400>.
- Raihana, R., Faridah, Q. Z., Julia, A. A., Abdelmageed, A. H. A., & Mihdzar. 2011. *In Vitro* Culture of *Curcuma mangga* from Rhizome Bud. *Journal of Medicinal Plants Research* 5(28): 6418-6422. <http://dx.doi.org/10.5897/JMPR11.673>.
- Rakesh, Y. & H. S. Chawla. 2002. Role of Genotypes, Growth Regulators, and Amino Acids on Callus Induction and Plant Regeneration from Different Developmental Stages of Inflorescence in Wheat. *Indian Journal Genet. Plant Breed* 62(1):55-60.
- Rasullah, F., T. Nurhidayati, & Nurmalasari. 2013. Respon Pertumbuhan Tunas Kultur Meristem Apikal Tanaman Tebu (*Saccharum officinarum*) Varietas NXI 1-3 Secara *In Viro* Pada Media MS dengan Penambahan Arginin dan Glutamin. *Sains dan Seni Pomits* 2: 2337-3520. <http://dx.doi.org/10.12962/j23373520.v2i2.3654>.
- Rudiyanto, Betalini, W. P., Andi, T. M., Ermayanti. 2018. Pengaruh Modifikasi KH_2PO_4 , NH_4NO_3 dan Sukrosa terhadap Pertumbuhan Tunas serta Pembentukan Umbi Mikro Taka (*Tacca leontopetaloides*) secara *In vitro*. *Jurnal Biologi Indonesia* 14(1): 11-21. <http://dx.doi.org/10.14203/jbi.v14i1.3658>.

- Sari, L., Aida, W., Siti, Tri, M. E. 2019. Mikropropagasi Tanaman Talas Beneng (*Xanthosoma undipes* K. Koch) Dengan Perlakuan Benzil Aminopurin, Tiamin, dan Adenin. *Jurnal Bioteknologi & Biosains Indonesia* 6(1). <https://doi.org/10.29122/jbbi.v6i1.3216>.
- Saunders, J. W., C. J. Tsai, & E. Samper. 1997. Evaluation of Alternative Nitrogen and Carbon Sources for Sugarbeet Suspension Culture Platings in Development of Cell Selection Schemes. *In Vitro Cell. Dev. Biol. Plant* 33(1):56-61. <https://doi.org/10.1007/s11627-997-0041-7>.
- Seran, T. H. 2013. *In Vitro* Propagation of Ginger (*Zingiber officinale* Rosc.) Through Direct Organogenesis: A Review. *Journal Biol Sci* 16:1826-1835. <https://doi.org/10.3923/pjbs.2013.1826.1835>.
- Setiawati, Auliya, Z., Rully, B., & Nurzaman. 2018. Perbanyakan *In Vitro* Tanaman Kentang (*Solanum tuberosum* [L.] Cv. Granola) dengan Penambahan Meta-Topolin Pada Media Modifikasi MS (Murashige & Skoog). *Jurnal Metamorfosa* 5(1): 44-50. <http://dx.doi.org/10.24843/metamorfosa.2018.v05.i01.p07>.
- Shagufta, N., Saiqa, I., Sumera, J., & Aamir, A. 2009. *In Vitro* Clonal Multiplication and Acclimatization of Different Varieties of Turmeric (*Curcuma Longa* L.). *Journal Bot* 41(6): 2807-2816.
- Shaik, J. & Kanth G. R. 2018. *In Vitro* Propagation of *Zingiber officinale* Through Rhizome and Effect of Plant Growth Regulators. *Journal Pharmacogn Phytochem* 7: 2012-2014.
- Shanjani, P. S. 2003. Nitrogen Effect on Callus Induction and Plant Regeneration of *Juniperus excels*. *Int. J. Agric Biol* 5(4):419-422.
- Simbolon, S. L. N., L. A. M. Siregar, & E. H. Kardhinata. 2018. Keberhasilan Terbentuknya Tunas Mikro Angrek (*Cattleya trianae* Lindl & Rchb.fil.) dalam Beberapa Komposisi Medium. *Jurnal Agroekoteknologi* 6(1): 113-117. <https://doi.org/10.32734/joa.v6i1.2556>.
- Sucandra, A., Fetmi, S., & Arnis, E, Y. 2015. Uji Pemberian Beberapa Konsentrasi Glisin Pada Media Vacin Went (VW) Terhadap Pertumbuhan Planlet Angrek (*Dendrobium* sp) Secara *In Vitro*. *Jom Faperta* 2(1).
- Supriyadi. 2014. *Pengaruh Thidiazuron dan NAA terhadap Multiplikasi Tunas Biji Tanaman Sarang Semut (Myrmecodia pendana) Secara In Vitro*. Skripsi. Fakultas Pertanian. Universitas Muhammadiyah Yogyakarta. Yogyakarta.
- Syahid, S. F. & N. Bermawie. 2000. Pengaruh Pengenceran Media Dasar Terhadap Pertumbuhan Kultur Jahe dalam Penyimpanan Secara *In Vitro*. *Journal Littri* 4(5): 115-118. <https://dx.doi.org/10.21082/littri.v5n4.2000.115-118>.

- Teixeira, D. S. J., Maria, M. A., & Dobranszki, J. 2015. The Untapped Potential of Plant Thin Cell Layer. *Journal of Horticultura Research* 23(2): 127-131. <https://doi.org/10.2478/johr-2015-0024>.
- Tetsumura, T., Y. Matsumoto, M. Sato, C. Honsho, K. Yamashita, H. Komatsu, Y. Sugimoto, H. Kunitake. 2008. Evaluation of Basal Media for Micropropagation of Four Highbush Blueberry Cultivars. *Sci Hort* 119: 72-4. <https://doi.org/10.1016/j.scienta.2008.06.028>.
- Triningsih, Luthfi, A. M, & Lollie, A. P. 2013. Pertumbuhan Eksplan Puar Tenangau (*Elettariopsis* sp.) Secara *In Vitro*. *Jurnal Online Agroekoteknologi* 1(2). <https://dx.doi.org/10.32734/jaet.v1i2.1546>.
- Vasanth, K., A. Lakshmiprabha, & N. Jayabalan. 2006. Amino Acids Enhancing Plant Regeneration from Cotyledon and Embryonal Axis of Peanut (*Arachis hypogaea* L.) Indian. *J. Crop Sci* 1(1-2):79-83.
- Vasudevan, A., N. Selvaraj, A. Ganapathi, S. Kasthuriengan, V. Ramesh Anbazhagan, & M. Manickavasagam. 2004. Glutamine: A Suitable Nitrogen Source for Enhanced Shoot Multiplication in *Cucumis sativus* L. *Biol Plant* 48(1):125-128. <http://dx.doi.org/10.1023/B:BIOP.0000024288.82679.50>.
- Wahengbam, R. C. Singh, Heigrujam, B. S., & Shamurailatpam, S. D. 2015. Conservation of *Curcuma caesia* By *In Vitro* Techniques. *Helix* 3-4: 708-713.
- Wang, H. J., L. H. Wu, M. Y. Wang, Y. H. Zhu, Q. N. Tao, & F. S. Zhang. 2007. Effects of Amino Acids Replacing Nitrate on Growth, Nitrate Accumulation, and Macroelement Concentrations in Pak-Choi (*Brassica chinensis* L.). *Pedosphere* 17(5): 595-600. [https://doi.org/10.1016/S1002-0160\(07\)60070-8](https://doi.org/10.1016/S1002-0160(07)60070-8).
- Waryastuti, Lilik, S., & Tatik, W. 2017. Pengaruh Tingkat Konsentrasi 2,4-D dan BAP Pada Media MS Terhadap Induksi Kalus Embriogenik Temulawak (*Curcuma xanthorrhiza* Roxb.). *Jurnal Produksi Tanaman* 5(1): 140-149. <https://dx.doi.org/10.21176/protan.v5i1.362>.
- Wattimena, G. A. 2000. *Pengembangan Propagul Kentang Bermutu dan Kultvar Kentang Unggul dalam Mendukung Peningkatan Hasil Kentang di Indonesia*. Orasi Ilmiah Guru Besar Tetap Hortikultura. Fakultas Pertanian. IPB. Bogor
- Winarto, B. 2011. Pengaruh Glutamin dan Serin terhadap Kulgur Anter *Anthurium andreaenum* cv. Tropical. *Jurnal Hortikultura* 21(4): 295-305. <https://dx.doi.org/10.21082/jhort.v21n4.2011.p293-305>.
- Winkel & Shirley. 2002. Biosynthesis of Flavonoids and Effects of Stress. *Current Opinion in Plant Biol* 5: 218-223. [https://doi.org/10.1016/S1369-5266\(02\)00256-X](https://doi.org/10.1016/S1369-5266(02)00256-X).

- Witham, F. H., D. F. Blaydes & R. M. Devlin. 1986. *Exercises in Plant Physiology. Second Edition*. Prindle, Weber and Schmidt. Boston. USA.
- Yuan, W., Suo J., Shi B., Zhou C., Bai B., & Bian H. 2019. The Barley Mir393 Has Multiple Roles in Regulation of Seedling Growth, Stomatal Density, and Drought Stress Tolerance. *Plant Physiology and Biochemistry* 142: 303–311. <https://doi.org/10.1016/j.plaphy.2019.07.021>.
- Yuliarti, N. 2010. *Kultur Jaringan Tanaman Skala Rumah Tangga*. Lily Publisher. Yogyakarta.
- Yulizar, D. R., Zozy, A. N., & M. Idris. 2014. Induksi Tunas Kunyit Putih (*Curcuma zedoaria* Roscoe) Pada Media MS dengan Penambahan Berbagai Konsentrasi BAP dan Sukrosa Secara *In Vitro*. *Jurnal Biologi Universitas Andalas* 3(4): 310-316. <https://doi.org/10.25077/jbioua.3.4.%25p.2014>.
- Zulkarnain. 2011. *Kultur Jaringan Tanaman: Solusi Perbanyakan Tanaman Budi Daya*. Bumi Aksara. Jakarta.

