

DAFTAR PUSTAKA

- Abdulhafiz, F., Reduan, M.F.H., Hamzah, Z., Kari, Z.A., Dawood, M.A., Mohammed, A., 2022. Acute oral toxicity assessment and anti-hyperuricemic activity of *Alocasia longiloba* extracts on Sprague-Dawley rats. *Saudi J. Biol. Sci.* 29 (5), 3184–3193. doi: [10.1016/j.sjbs.2022.01.050](https://doi.org/10.1016/j.sjbs.2022.01.050)
- Abraham, F., Bhatt, A., Lai Keng, C., Indrayanto, G., & Shaida, F. 2011. Effect of yeast extract and chitosan on shoot proliferation, morphology and antioxidant activity of Curcuma mangga in Vitro plantlets. *African Journal of Biotechnology*, 10(40), 7787-7795. doi:[10.5897/AJB10.1261](https://doi.org/10.5897/AJB10.1261)
- Al-Rubaye, A. F., I. H. Hameed, dan Moh. J. Kadhim. 2017. A Review: Uses of Gas Chromatography-Mass Spectrometry (GC- MS) Technique for Analysis of Bioactive Natural Compounds of Some Plants. *International Journal of Toxicological and Pharmacological Research*. 9(1): 81-85.
- Alvarado, AM, Aguirre-Becerra, H., Vázquez-Hernández, MC, Magaña-Lopez, E., Parola-Contreras, I., Caicedo-Lopez, LH, Aplikasi. 2019. Pengaruh elisitor dan eustressor terhadap produksi metabolit sekunder tanaman. 333-388
- Ammar, M. A. A., ElAmin, M. E. M., & Yagi, S. M. 2018. Total phenolic and flavonoid contents and antioxidant activities of ginger (*Zingiber officinale* Rosc.) rhizome, callus, and callus treated with several elicitors. *Journal of Applied Research on Medicinal and Aromatic Plants*, 8, 1-7. <https://doi.org/10.1016/j.jarmap.2018.03.001>
- Aristyanti, D. 2014. Pengaruh kadar kimia tanah terhadap kandungan flavonoid daun tabat barito (*Ficus deltoidea* Jack.). Departemen Konservasi Sumberdaya Hutan dan Ekowisata. Fakultas Kehutanan. Institut Pertanian Bogor. Bogor.
- Asih, N. P. S. and Lestari, D. 2022. "Update on *Alocasia cuprea* K.Koch distribution in North Kalimantan," Reinwardtia, vol. 21, pp. 49–53. DOI:[10.14203/reinwardtia.v21i2.4249](https://doi.org/10.14203/reinwardtia.v21i2.4249)
- Atanasov, AG; Waltenberger, B.; Pferschy-Wenzig, EM; Linder, T.; Wawrosch, C.; Uhrin, P.; Rollinger, JM. 2015. Discovery dan pasokan kembali produk alami turunan tumbuhan yang aktif secara farmakologis: Sebuah tinjauan. *Biotehnologi. Adv.* 33 ,1582–1614. DOI: [10.1016/j.biotechadv.2015.08.001](https://doi.org/10.1016/j.biotechadv.2015.08.001)
- Baday, S. J. S. 2018. *Plant Tissue Culture. International Journal of Agriculture and Environmental Research*. 4(4): 977-990
- Baenas, N., Garcia-Viguera., C., & Moreno., D.A. 2014. Elicitation: A tool for enriching the bioactive composition of foods. *Molecules*, 19, 13541-13563 52-26. doi: [10.3390/molecules190913541](https://doi.org/10.3390/molecules190913541)

- Boyce, P. C., & Wong, S.Y. 2012. The Araceae of Malesia I: Introduction. *Malayan Nature Journal*, 64(1): 33- 67.
- Cai, Z., A. Kastell, I. Mewis, D. Knorr, I. Smetanska. 2012. Polysaccharide Elicitors Enhance Anthocyanin and Phenolic Acid Accumulation in Cell Suspension Cultures of *Vitis vinifera*. *Plant Cell Tiss Org Cult*. 108: 401- 409. DOI:[10.1007/s11240-011-0051-3](https://doi.org/10.1007/s11240-011-0051-3)
- Darmapatni, K. A. G., A. Basori, dan N. M. Suaniti. 2016. Pengembangan Metode GC-MS Untuk Penetapan Kadar Acetaminophen Pada Spesimen Rambut Manusia. *Jurnal Biosains Pascasarjana*. 3(18): 62-69.
- David, C.H. 2010. Pengaruh variasi konsentrasi sukrosa terhadap pertumbuhan dan induksi embriogenesis somatik kultur kalus tapak Dara (*Catharanthus roseus* (L.) G. Don). *Skripsi*. Surakarta: Universitas Sebelas Maret.
- Devi, J., & Muthu, A. K. 2014. Gas Chromatography-Mass Spectrometry Analysis of Bioactive Constituents in The Ethanolic Extract of *Saccharum spontaneum* Linn. *International Journal of Pharmacy & Pharmaceutical Sciences*, 6(2) pp755-759
- Dewanto, D., Hermawan, R., Muliadin, M., Riyadi, P., Aisiah, S., & Tanod, W. 2021. Profil GC-MS Dari Ekstrak Daun Rhizophora apiculata Dari Pesisir Teluk Tomini, Sulawesi Tengah Dengan Aktivitas Antibakteri dan Antioksidan. *Jurnal Kelautan: Indonesian Journal of Marine Science and Technology*. 14(1): 30-42. <https://dx.doi.org/10.21107/jk.v14i1.8904>.
- Dias MI, Sousa MJ, Alves RC. 2016. Ferreira ICFR Menjelajahi kultur jaringan tanaman untuk meningkatkan produksi senyawa fenolik: tinjauan. *Produk Tanaman Ind*. 82 :9–12.
- Doughari, J. H. 2012. Phytochemicals: Extraction Methods, Basic Structures, and Mode of Action as Potential Chemotherapeutic Agents. *Department of Microbiology, School of Pure and Applied Sciences, Federal University of Technology Yola, Nigeria*.
- Eibl, R.; Meier, P.; Stutz, I.; Schildberger, D.; Hühn, T.; Eibl, D. 2018. Plant cell culture technology in the cosmetics and food industries: Current state and future trends. *Appl. Microbiol. Biotechnol.* 102, 8661–8675. DOI: [10.1007/s00253-018-9279-8](https://doi.org/10.1007/s00253-018-9279-8)
- El-Nabarawy, M.A., El-Kafafi, S.H., Hamza, M.A., and Omar, M.A., 2015. The effect of some factors on stimulating the growth and production of some substances in *Zingiber officinalis* callus cultures, *Ann. Agric. Sci.*, vol. 60, no. 1, pp. 1–9.
- Ergina, Nuryanti, S., & Pursitasari, I. D. 2014. Uji Kualitatif Senyawa Metabolit Sekunder Pada Daun Palado (*Agave Angustifolia*) Yang Diekstraksi Dengan Pelarut Air Dan Etanol 72 Qualitative Test Of Secondary Metabolites Compounds In Palado Leaves (*Agave Angustifolia*) Extracted With Water And Ethanol. *Jurnal Akademika Kimia*, 3(3), 165–172.

- Farjaminezhad R, Garoosi G-a. 2019. New biological trends on cell and callus growth and azadirachtin production in *Azadirachta indica*. *3 Biotech* 9:309. doi: [10.1093/biomed/bpad019](https://doi.org/10.1093/biomed/bpad019)
- Farjaminezhad, R., & Garoosi, G. 2021. Peningkatan dan prediksi produksi metabolit sekunder dalam elisitasi ekstrak ragi dari kultur suspensi sel Azadirachta indica menggunakan metodologi permukaan respons. AMB Ekspres, 11(1), 43. doi: [10.1186/s13568-021-01203-x](https://doi.org/10.1186/s13568-021-01203-x)
- Gunes F. E. 2013. Medical use of squalene as a natural antioxidant. *Clin. Exp. Health Sci.* 3, 220–228. 10.5455/musbed.20131213100404
- Habibah, N. A., Safitri, S., Pratiwi, Y. R., Wijawati, N., Musafa, F., Puspitasari, A. S. 2021. Callus induction from tuber of lesser yam (*Dioscorea esculenta*) on MS media supplemented by 2,4-D and kinetin. *Journal of Physics: Conference Series* 1918 052029. <https://doi.org/10.1088/1742-6596/1918/5/052029>
- Halder, M., S. Shaker, S. Jha. 2019. Elicitation: A Biotechnological Tool for Enhanced Production of Secondary Metabolities in Hairy Root Cultures. *Engineering Life Science*. 19(12): 880-895. DOI: [10.1002/elsc.201900058](https://doi.org/10.1002/elsc.201900058)
- Hariyati, M., Bachtiar, I., & Sedijani, P. 2016. Induksi kalus tanaman krisan (*Chrysanthemum morifolium*) dengan pemberian benzil amino purin (BAP) dan diklorofenoksi acetil acid (2,4-D). *Jurnal Penelitian Pendidikan IPA* 2(1), 89-96. <https://doi.org/10.29303/jppipa.v2i1.37>
- Harshal, A. B., & Gautam, S. P. 2014. Plant tissue culture: A review, 2(6), 565-572
- Ipandi, I., Triyasmono, L., & Budi, P. 2016 Penentuan Kadar Flavonoid Total dan Aktivitas Antioksidan Ekstrak Etanol Daun Kajajahi (*Leucoskey capitellata* Wedd.). *Pharmascience*,3(1).
- Jannah, R., Suwirmen, & Noli, Z. A. 2016. Pengaruh pemberian elisitor Cu²⁺ terhadap kalus *Artemisia vulgaris* dalam upaya penyediaan artemisinin sebagai antimalaria [The effect of Cu²⁺ as an elicitor to *Artemisia vulgaris* callus in the provision of artemisinin as antimalarial]. *Pros Sem Nas Masy Biodiv Indones*, 2(2), 155-158. DOI: <https://doi.org/10.13057/psnmbi/m020206>
- Jubaidah, S. J. 2018. Analisis Flavonoid Total Akar Tabar Kedayan (*Aristolochia foveolata* Merr). *Al-Kimia*, 6(2). <https://doi.org/10.24252/al-kimia.v6i2.4996>
- Kabera, J.N., E. Semana, A. R. Mussa, and X. He. 2014. Plant Secondary Metabolites: Biosynthesis, Classification, Function and Pharmacological Properties. *Journal of Pharmacy and Pharmacology*. 2: 377-392.
- Kabir, M.S.H., Hossain, M.M., Kabir, M.I., Rahman, M.M., Hasanat, A., Bin Emran, T., Rahman, M.A., 2016. Phytochemical screening, Antioxidant, Thrombolytic, alpha-amylase inhibition and cytotoxic activities of ethanol extract of Steudnera colocasiifolia K. Koch leaves. *J. Young. Pharm.* 8 (4), 391–397. <https://doi.org/10.5530/jyp.2016.4.15>.

- Kanthaliya, B., Joshi, A., Arora, J., Alqahtani, M.D., & Abd_Allah, E.F. 2023. Effect of Biotic Elicitors on the Growth, Antioxidant Activity and Metabolites Accumulation in In Vitro Propagated Shoots of Pueraria tuberosa. Plants, 12(6), 1300. <https://doi.org/10.3390/plants12061300>.
- Karalija E, Zeljkovic SC, Paric A. 2020. Perubahan terkait waktu panen dalam biomassa, fenolik dan potensi antioksidan dalam kultur pucuk *Knautia sarajevensis* setelah elisitasi dengan asam salisilat dan ragi. *Pengembangan Sel Vitro-Pl.* 56 :177–183. doi: 10.1007/s11627-019-10028-0.
- Karim MR, Ferdous N., Roy N., Sharma SCD, Jahan MGS, Shovon MS 2014. Kajian Aktivitas Antidiabetes Daun dan Batang Alocasia Indica L. Pada Tikus Diabetes yang Diinduksi Steptozotocin. *Int. J. Biosci.* 5 (6), 195–202. 10.12692/ijb/5.6.195-202. doi: [10.3389/fphar.2022.849704](https://doi.org/10.3389/fphar.2022.849704)
- Kasem, M. M. 2018. Callus Production and Suspension Elicitation of *Impatiens balsamina* L., Plant for Enhancing Accumulation of Phenolics and Flavonoids Content. *J. Plant Production, Mansoura Univ.*, 9(3), 241-248.
- Kasmiyati, S., Herawati, M. M., & Kristiani, E. B. E. 2008. Pertumbuhan *Artemisia vulgaris* Secara Kultur Pucuk pada Medium dengan Kandungan Mioinositol dan Ekstrak Khamir [The Growth of *Artemisia vulgaris* by Shoot Culture on Medium with Mioinositol and Yeast Extract]. *Biota*, 13(2), 62-67.
- Kaur, K., Pati, PK. 2018. Produksi metabolit yang diinduksi stres memanfaatkan akar tanaman berbulu, dalam: Srivastava V., Mehrotra S., Mishra S. (Eds.), *Akar Berbulu - Alat Bioteknologi Tanaman yang Efektif*, Springer, Singapura: hlm.123–145
- Kelly, K., & Bell, S. 2018. Evaluation of the reproducibility and repeatability of GCMS retention indices and mass spectra of novel psychoactive substances. *Forensic Chemistry*, 7: 10–18
- Krasteva, G., Georgiev, V., Pavlov, A., 2021. Recent applications of plant cell culture technology in cosmetics and foods. Eng. Life Sci. 21 (3–4), 68–76. DOI: [10.1002/elsc.202000078](https://doi.org/10.1002/elsc.202000078)
- Krishnan, R., Kumar, V.S.A., 2013. Establishment of cell suspension culture in *Marchantia linearis* Lehm & Lindenb. for the optimum production of flavonoids. Biotech, 4:49-56.
- Li B., Fan R., Sun G., Sun T., Fan Y., Bai S., Guo S., Huang S., Liu J., Zhang H. 2021. Flavonoid meningkatkan toleransi kekeringan pada bibit jagung dengan mengatur homeostatis spesies oksigen reaktif. *Tanaman Tanah*. 461 :389–405. doi: <https://doi.org/10.1007/s11104-020-04814-8>
- Lutfiah, A., & Habibah, N. A. 2022. Pengaruh Pemberian Elisitor Ekstrak Khamir pada Pertumbuhan Kultur Kalus Gembili dengan Penambahan ZPT 2,4-D dan Kinetin. *Indonesian Journal of Mathematics and Natural Sciences*, 45(2):80.

- Maher, T., Kabbashi, N.A., Mirghani, M.E.S., Alam, M.Z., Daddiouaissa, D., Abdulhafiz, F., Reduan, M.F.H., Omran, J.I., Abdul Razab, M.K.A., Mohammed, A., 2021. Optimization of Ultrasound-Assisted Extraction of Bioactive Compounds from Acacia Seyal Gum Using Response Surface Methodology and Their Chemical Content Identification by Raman, FTIR, and GC-TOFMS. *Antioxidants* 10 (10), 1612. <https://doi.org/10.3390/antiox10101612>.
- Mahmiah, Nor Sa'adah, Sunur, H. N., & Wijayanti, N. 2023. Profil Metabolit Ekstrak Etanol Enhalus acoroides (L.F.) Royle,1839 dari Nusa Tenggara Timur. *Journal of Marine Research*, 12(1), 151-160. <https://doi.org/10.14710/jmr.v12i1.35076>
- Marchev A, Haas Ch Schulz S, Georgiev V, Steingroewer J, Bley T & Pavlov A. 2014. Sage in vitro Cultures: A Promising Tool For The Production of Bioactive Terpenes and Phenolic Substances. *Biotechnol. Lett.* 36: 211–221. DOI:[10.1007/s10529-013-1350-z](https://doi.org/10.1007/s10529-013-1350-z)
- Mariamah, Mukarlina, & Linda, R. (2017).Pertumbuhan Kalus TanamanMarkisa (Passiflora sp.) denganPenambahan Naphtalene Acetic Acid(NAA) dan 6-Benzyl Amino Purine(BAP). *Protobiant*, 6(3), 37–41
- Marjoni, R. 2016. Dasar-Dasar Fitokimia Untuk Diploma II. Jakarta: Cv. Trans Info Media.
- Marwoko, M. T. B., Fachriyah, E., & Dewi, K. 2013. Isolasi , Identifikasi dan Uji Aktifitas Senyawa Alkaloid Daun Binahong (Anredera cordifolia (Tenore) Steenis). *Chem Info*, 1(1), 196–201.
- Mathe, A; Hassan, F.; Kader, A.A. 2016. In vitro micropropagation of medicinal and aromatic plants. In *Medicinal and Aromatic Plants of the World*; Springer: Dordrecht, The Netherlands.
- Molole, G., Gure, A., & Abdissa, N. 2022. Determination Of Total Phenolic Content and Antioxidant Activity of Commiphora mollis (Oliv.) Engl. resin. *BMC Chemistry*. 16(1): 48. <https://doi.org/10.1186/s13065-022-00841-x>
- Nabis B. 2018. Studi Karyomorfologi pada Tiga Spesies Alocasia (Schott.) G.Don.- Genus yang Penting Secara Etno-Pengobatan dan Ekonomi . *Ijlssr* 4 (6), 2116–2121. 10.21276/ijlssr.2018.4.6.8. doi: [10.3389/fphar.2022.849704](https://doi.org/10.3389/fphar.2022.849704)
- Namdeo A. 2007. Elisitasi sel tanaman untuk produksi metabolit sekunder: tinjauan. *Farmakogn Rev*. 1 :69–79.
- Narayani, M., & Srivastava, S. 2017. Elicitation: a stimulation of stress in in vitro plant cell/tissue cultures for enhancement of secondary metabolite production. *Phytochemistry Reviews* 16, 1227– 1252. <https://doi.org/10.1007/s11101-017-9534-0>

- Neupane, P., & Lamichhane, J. 2020. Estimation of Total Phenolic Content, Total Flavonoid Content and Antioxidant Capacities of Five Medicinal Plants from Nepal. *Vegetos*, 33: 360–366. <https://doi.org/10.1007/s42535-020-00116-7>.
- Ningsih, I. Y. 2014. Pengaruh elisitor biotik dan abiotik pada produksi flavonoid melalui kultur jaringan tanaman. *Pharmacy* 11(2), <https://doi.org/117-132.10.30595/pji.v11i2.829>
- Parwata, A., Manuaba, P., & Yasa, S. 2018. The Potency of Flavonoid Compounds in Water Extract *Gyrinops Versteegii* Leaves as Natural Antioxidants Sources. *Biomedical and Pharmacology Journal*, 11(3), 1501– 1511. <https://doi.org/10.13005/bpj/1517>
- Patel, H & Krishnamurthy, R. 2013. Elicitors in plant tissue culture. *Journal of Pharmacognosy and Phytochemistry*, 2(2), 60-65.
- Perangin-Angin, Y., Purwaningrum, Y., Asbur, Y., Rahayu, M. S., & Nurhayati, N. 2019. Pemanfaatan Kandungan Metabolit Sekunder yang Dihasilkan Tanaman pada Cekaman Biotik. *Agriland*, 7(1): 39-47. <https://doi.org/10.30743/agr.v7i1.3471>
- Pono P, Restiani R, Aditiyarini D. 2021. Elisitasi saponin dalam kultur kalus ginseng Jawa (*Talinum paniculatum Gaertn.*) menggunakan asam salisilat. *Sciscitatio* 2(2): 45–53. DOI: <https://doi.org/10.21460/sciscitatio.2021.22.66>
- Popa I., Babeanu N. E., Nita S., Popa O. 2014. Squalene - natural resources and applications. *Farmacia* 62, 840–862.
- Putriana, Gusmiaty, M. Restu, Musriati dan N. Alda. 2019. Respon Kinetin dan Tipe Eksplan Jabon Merah (*Antocephalus macrophyllus* (Roxb.) Havil) secara In Vitro. *Bioma*. 4(1): 48-57.
- Rahardhian, M.R.R., Suharsanti, R., Sugihartini, N., Lukitaningsih, E., 2019b. In Vitro Assessment of Total Phenolic , Total Flavonoid and Sunscreen Activities of Crude Ethanolic Extract of Belimbing wuluh (*Averrhoa bilimbi*) Fruits and Leaves. *J. Glob. Pharma Technol.* 11, 308–313.
- Ramirez-Estrada, K., Vidal-Limon, H., Hidalgo, D., Moyano, E., Golenioswki, M., Cusidó, R.M., and Palazon, J. 2016. Elicitation, an effective strategy for the biotechnological production of bioactive high-added value compounds in plant cell factories, *Molecules*, vol. 21, pp. 182–206.
DOI: [10.3390/molecules21020182](https://doi.org/10.3390/molecules21020182)
- Ramonah, D., Rahardhian, M. R. R., Putri, C. 2020. Determinasi Total Flavonoid, Total Fenolik, dan Aktivitas Antibakteri Ekstrak Etanol Daun Insulin (*Smallanthus Sonchifolius*) Dengan Metode Perkolasi. *Media Farmasi Indonesia*, 15(1): 1585-1592. <https://dx.doi.org/10.53359/mfi.v15i1.143>.
- Rani A., Meghana R., Kush A. 2018. Squalene production in the cell suspension cultures of Indian sandalwood (*Santalum album L.*) in shake flasks and air lift bioreactor. *Plant Cell Tissue Organ Cult.* 135, 155–167. 10.1007/s11240-018-1452-3

- Rasud, Y., Bustaman. 2020. Induksi Kalus secara *In Vitro* dari daun cengkeh (*Syzygium aromaticum* L.) dalam media dengan berbagai konsentrasi auksin. JIPI. 25(1):67-72. Doi: <https://doi.org/10.18343/jipi.25.1.67>
- Razavi, R. M., H. Arshneshin, A. Ghasemian. 2016. In Vitro Callus Induction and Isolation of Volatile Compounds in Callus Culture *Lallemantia iberica* (M. Beib.) Fisch. & C. A. Mey. Journal of Plant Process and Function. 5(1): 65-68
- Sari, Anna Khumaira., & Ayuchecaria, Noverda. 2017. Penetapan Kadar Fenolik Total dan Flavonoid Total Ekstrak Beras Hitam (*Oryza sativa* L.) dari Kalimantan Selatan. *Jurnal Ilmiah Ibnu Sina*. Vol. 2(2): 327-335
- Sari, S., Ernita, M., Mara, M. N., & AR, Muhammad. (2020). Identification of Active Compounds on *Muntingia calabura* L. Leaves using Different Polarity Solvents. *Indonesian Journal of Chemical Science and Technology* (IJCST). 3. 1. <https://dx.doi.org/10.24114/ijcst.v3i1.18309>
- Setiawati, T., S. F. Zazuli, Annisa, M. Nurzaman, B. Irawan. 2020. Pengaruh *Polyethylene Glycol* (PEG) terhadap Kadar Kuersetin Kultur Kalus *Chrysanthemum morifolium* Ramat pada Kondisi Pencahayaan Berbeda. Al-Kauniyah. 13(1): 116-127 DOI:[10.15408/kauniyah.v13i1.13688](https://doi.org/10.15408/kauniyah.v13i1.13688)
- Sharma, M., Sharma, A., Kumar, A. & Basu, S. K. 2011. Enhancement of secondary metabolites in cultured plant cells through stress stimulus. *American Journal of Plant Physiology*, 6(2), 50-71. DOI:[10.3923/ajpp.2011.50.71](https://doi.org/10.3923/ajpp.2011.50.71)
- Shirazi, O. U., Khattak, M. M. A. K., Shukri, N. A. M., Nasyriq. M. N. A. 2014. Determination of Total Phenolic, Flavonoid Content and Free Radical Scavenging Activities of Common Herbs and Spices. *J Pharmacogn Phytochem*, 3(3):104-108
- Suharsanti, R., Sugihartini, N., Lukitaningsih, E., Rahardhian, M.R.R., 2019. Effect of Different Solvent on Total Phenolic, Total Flavonoid , and Sun Protection Factor of Belimbing Wuluh(*Averrhoa Bilimbi*). *J. Glob. Pharma Technol.* 11. 154-162.
- Suhendi, A., Sjahid, L. R., & Hanwar, D. 2011. Isolasi dan Identifikasi Flavonoid dari Daun Dewandaru (*Eugenia uniflora* L.). *Pharmacon: Jurnal Farmasi Indonesia*, 12(2), 73–81. <https://doi.org/10.23917/pharmacon.v12i2.36>
- Sukma, F. F., & Fajri, R. (2019). Identifikasi Asam Dehidroasetat dalam Produk Kosmetika dengan Menggunakan HPLC (High Performance Liquid Chromatography). *Quimica: Jurnal Kimia Sains dan Terapan*, 1(2), 15.
- Sulistyaningsih, S., & Suryaningsih, Y. 2021. Pengembangan Rumput Laut Berbasis Kultur Jaringan Di Besuki. *CERMIN Jurnal Penelitian*, 5(1), 159-168. DOI: https://doi.org/10.36841/cermin_unars.v5i1.965
- Sung J., Lee S., Lee Y., Ha S., Song B., Kim T., Waters BM, Krishnan HB 2015. Profil metabolik dari daun dan akar tanaman tomat (*Solanum*

lycopersicum L.) yang ditanam di bawah nitrogen, kondisi kekurangan fosfor atau kalium. *Ilmu Tanaman.* 241 :55–64.
<https://doi.org/10.1016/j.plantsci.2015.09.027>

Syabana MA, Pipit M, Nuniek H, Iim R. 2017. Induksi dan pertumbuhan kalus tanaman stevia (*Stevia rebaudiana* Bertoni M.) dengan perbedaan konsentrasi PEG (Polyethylene Glycol) pada kondisi pencahayaan secara in vitro. *Biodidaktika* 12(2): 67–68. DOI: <http://dx.doi.org/10.33512/j.agrtek.v7i1.510>

Wahyuni A, Satria B, Zainal A. 2020. Induksi kalus gaharu dengan NAA dan BAP secara in vitro. *Agrosains: Jurnal Penelitian Agronomi* 22(1): 39–44. DOI:[10.20961/agrsipa.v22i1.36007](https://doi.org/10.20961/agrsipa.v22i1.36007)

Widiyanti, D. N., Mukarlina M. and Turnip, M. 2017. "Inventarisasi Tumbuhan Araceae Di Hutan Desa Subah Kecamatan Tayan Hilir Kabupaten Sanggau Kalimantan Barat," *Protobiont*, vol. 6, pp. 207–14.

Wijaya, R., Restiani. R. & Aditiyarini, D. 2020. Pengaruh Kitosan terhadap Produksi Saponin Kultur Kalus Daun Ginseng Jawa (*Talinum paniculatum*(Jacq.) Gaertn.). *Prosiding Seminar Nasional Biologi*, 5 (1), pp. 2. DOI: <https://doi.org/10.24252/psb.v6i1.15858>

Yuliana Y., Fatmawati S. 2018. Senyawa Metabolit Sekunder Dan Aspek Farmakologi Dari *Alocasia macrorrhizos*. *Akta Kimia Indonesia* 3 (1), 141–158. DOI:[10.12962/j25493736.v3i1.3494](https://doi.org/10.12962/j25493736.v3i1.3494)

Yulianti D, Susilo B, Yulianingsih R. 2014. Influence of extraction time and ethanol solvent concentration to physical-chemical properties stevia leaf extract (*Stevia Rebaudiana* Bertoni M.) Using microwaveassisted extraction methods. *J Bioproses Komod Trop* 2(1):35–41.

Zayed MZ. 2016. Benedict Samling, Phytochemical Constituents of the Leaves of *Leucaena Leucocephala* From Malaysia. *Int J Pharm Pharm Sci.* 8(12):174-179.

Ziraluo, Y. P. B. 2021. Metode Perbanyak Tanaman Ubi Jalar Ungu (*Ipomea batatas* Poiret) dengan Teknik Kultur Jaringan atau Stek Planlet. *JIP.* 2(3): 1037-1046