

## DAFTAR PUSTAKA

- Abirami, A., G.Nagarani., P.Sddhuraju. 2013. *In vitro* Antioxidant, Anti-Diabetic, Cholinesterase and Tyrosinase Inhibitory Potential of Fresh Juice from *Citrus hystrix* and *C. Maxima* Fruits. *Food science and human wellness*. 3: 16-25.
- Agusta, A. 2006. Diversitas Jalur Biosintesis Senyawa Terpena pada MakhluK Hidup Sebagai Target Obat Antiinfeksi. *Berita Biologi*. 8:141-152.
- Akbar, Hendra Rizki. 2010. Isolasi dan Identifikasi Golongan Flavonoid Daun Dandang Gendis (*Clinacanthus nutans*) Berpotensi Sebagai Antioksidan. *Skripsi*. Bogor: IPB
- Al-Bahadily, D. C. H., F. H. Shari, M. A. A. Najm, and H. N. K. Al-Salman. 2019. "Antimicrobial Activity of the Compound 2-Piperidinone, N-[4-Bromo-n-butyl]-Extracted from Pomegranate Peels." *Asian Journal of Pharmaceutics* 13 (1): 46-53
- Al-Rubaye A.F., I.H. Hameed., M.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.
- Al-Taha. 2013. Effect of Shock and Gradual Drought by PEG on Callus Growth and Proline Accumulation in Sour Orange (*Citrus x aurantium*). 5(2):77-83.
- Al-Taha, H.A. and Mazine, L.H., 2020. Impact of Osmotic Stress PEG And Sucrose On Callus Growth And Adventitious Micro Shoots Regeneration Of (*Chrysanthemum hortorum* Hort. Cv. Dwarf) in Vitro Condition. *Plant Archives*. 20(2): 347-352.
- Aliyah, A.H.; El-Kaaby, E.A.; Mouhamad, R.S.; Mohammad, R.H. and Al-Auny, J.A. 2017. In Vitro Influence of Drought on Some Physiological Parameters in Callus Induced From Seeds of Four Rice (*Oryza sativa* L). *International Journal of Multidisciplinary and Current Research*. Vol 5: 1000-1003.
- Alvarez, C.; Alvarez, R.; Corchete, P.; Pérez-Melero, C.; Peláez, R.; Medarde, M. 2007. Synthesis and Biological Activity of Naphthalene Analogues of Phenstatins: Naphthylphenstatins. *Bioorg. Med. Chem. Lett*. 17: 3417–3420.
- Anitasari, S.D., D.N.R.Sari., I.A.Astarini., M.R. Defiani. 2018. *Dasar Teknik Kultur Jaringan Tanaman*. Yogyakarta: Deepublish Publisher. Hal 10-17.
- Archana, V., N. N. Thomas, A. A. Rauf, and B. T. Edwin. 2020. "Fatty Acid Derivative of Methanol Extract of *Oldenlandia corymbosa*: A Potential Compound against *K. pneumoniae* and MCF-cell Lines." *International Journal for Research in Applied Sciences and Biotechnology* 7 (3): 46-52.
- Arianti, A.M. 2015. Pengaruh Berbagai Konsentrasi PEG (*Polyethylen Glycol*) 6000 Terhadap Kualitas Dan Kuantitas Kalus serta Uji Kualitatif Metabolit Sekunder Vernodalin Pada Kalus Daun Afrika (*Vernonia amygdalina*). *Skripsi*. Fakultas Biologi, UIN Malang.
- Arianto, B dan M.U. Bustamil. 2013. Induksi Kalus Dua Klon Kakao (*Theobroma cacao* L.) Unggul Sulawesi ada Berbagai Konsentrasi 2,4D secara *in vitro*. *Jurnal agrotekbis*. 1(3).
- Astiani, D. P., A. Jayuska, dan S. Arreneuz. 2014. Uji aktivitas Antibakteri Minyak Atsiri *Eucalyptus pellita* terhadap Bakteri *Escherichia coli* dan *Staphylococcus aureus*. *JKK* 3 (3): 49-53.
- Babu, S., Sheeba. A., Yogameenakshi, P., Anbumalarmathi, J., and Rangasamy, P. 2007. Effect of Salt Stress in The Selection of Salt Tolerant Hybrids in Rice (*Oryza sativa* L.) Under in Vitro and in Vivo Condition. *Asian J. Of Plant Sci*. 6: 137-142.

- Balafif, R.A.R., Y.Andayani., R.Gunawan. 2013. Analisis Senyawa Triterpenoid Dari Hasil Fraksinasi Ekstrak Air Buah Buncis (*Phaseolus Vulgaris* Linn). *Jurnal chem prog.* 6(2): 56-61.
- Begum, M.K., Islam, M.O., Miah, M.A.S., Hossain, M.A. and Islam, N., 2011. Production of somaclone *in vitro* for drought stress tolerant plantlet selection in sugarcane (*Saccharum officinarum* L.). *The Agriculturists.* 9(1-2): 18-28.
- Bogaki, T., Mitani, K., Oura, K., Ozeki, K. 2017. Effects of ethyl- $\alpha$ -D-glucoside on Human Dermal Fibroblasts. 2017. *Bioscience, Biotechnology, and Biochemistry.* 82(9):1706-1711.
- Brevedan, R.E., M.G. Klich, E.E. Sanchez, And M.N. Fioretti. 2012. Effects of Water Stress on Germination and Seedling Growth of Lovegrass Species. *Plant Physiology and Growth.* 774 (7):35-36.
- Budhiraja, A.; Kadian, K.; Kaur, M.; Aggarwal, V.; Garg, A.; Sapra, S.; Nepali, K.; Suri, O. P.; Dhar, K. L. Synthesis and Biological Evaluation of Naphthalene, Furan and Pyrrole Based Chalcones as Cytotoxic and Antimicrobial Agents. *Med. Chem. Res.* 2012, 21 (9), 2133–2140.
- Butryee, C., P. Sungpuag, and C. Chitchumroonchokchai, *Int. J. Food Sci. Nutr.*, Suppl. 2, 162–174 (2009).
- CABI. 2019. *Citrus hystrix* (mauritius bitter orange). Available at <https://www.cabi.org/isc/datasheet/13444>. Accessed on March 18<sup>th</sup>, 2020
- Campino, I.D.L., N.M.Lopez., A.M.V. Hiencapeie. Selection of Somaclonal Variants of Maracuya (*Passiflora edulis* var *Flavicarpa*. Deneger) Tolerants To Water Deficit. 2020. *Rev. Colomb. Biotechnol.* 12(2): 44 - 52.
- Choulis, N.H. 2011. *Miscellaneous Drugs, Materials, Medical Devices, and Techniques.* Chapter 49. Pp: 1009-1030.
- Chueahongthong F, Ampasavate C, Okonogi S, Tima S, Anuchapreeda S. Cytotoxic Effects of Crude Kaffir Lime (*Citrus hystrix* DC.) Leaf Fractional Extracts on Leukemic Cell Lines. *J Med Plants Res* 2011;5(14):3097–3105
- Dahpour, A. A., P. Rahdari, and Z. Sobati. 2012. Chemical composition of essential oil, antibacterial activity and brine shrimp lethality of etanol extracts from *Sedum pallidum*. *Journal of Medicinal Plants Research* 6 (16): 3105-3109.
- Damayanti, F. 2019. Peningkatan Biosintesis Terpenoid pada Kultur Sel Lini Jeruk Purut (*Citrus hystrix* DC.) dengan Elisitasi dan Pemberian Prekursor. *Tesis.* Universitas Gadjah Mada. Yogyakarta.
- Darmapatni, K.A.G., A.Basori., N.M. Suaniti. 2016. *Pengembangan Metode Gc-Ms*
- Dewatisari, W.F., Rumiyanti, L., Rakhmawati, I. 2017. Rendemen dan Skrining Fitokimia pada Ekstrak Daun *Sansevieria* sp. *Jurnal Penelitian Pertanian Terapan.* 17 (3): 197-202.
- Din, A. F. M. Z., M. F. M. Ibrahim, R. Farag, H. G. A. El-Gawad, A. El-Banhawy, I. A. Alaraidh, Y. M. Rashad, I. Lashin, A. A. El-Yazied, A. Elkelish, and O. H. A. Elbar. 2020. Influence of Polyethylene Glycol on Leaf Anatomy, Stomatal Behavior, Water Loss, and Some Physiological Traits of Date Palm Plantlets Grown *in vitro* and *ex Vitro*. *Plants.* 9: 1-18.
- Dorren, S.H, Rose, L.C, Suhaimi, H., Mohammad, H, Rozaini and M.Z.H., TAI M. 2011. Preliminary Evaluation on the Antibacterial Activities of *Citrus hystrix* Oil Emulsions Stabilized by Tween 80 and Span 80. *Int J Pharm Pharm Sci* 3 (Suppl 2), 209–211.



- Ehsanpour, A.A. and Razavizadeh, R., 2005. Effect of UV-C on Drought Tolerance of Alfalfa (*Medicago sativa*) Callus. *American Journal of Biochemistry and Biotechnology*. 1(2): 107-110.
- El-Houssine B., Mohammed D., 2012 Response of Durum Wheat (*Triticum durum* Desf.) Callus Culture to Osmosis Induced Drought Stress Caused by Polyethylene Glycol (PEG). *Ann Biol Res*. 3(9):4555-4563.
- Endarini, L.H. 2016. *Farmakognisi dan Fitokimia*. Kementerian Kesehatan Republik Indonesia.
- Fajarina, S., Beni H., Frisca D., Asti W., Aries B.S., Ari I., Endang S., Lisna H., & Woro AE.S.T. 2020. Evaluation of Anticancer Bioactive Compounds and Cytotoxicity of *Citrus hystrix* DC. Callus Extract Post Preservation. *Indonesian Journal of Pharmacy*, 32(2): 179-192.
- George EF & Sherrington PD. 1984. *Propagation by Tissue Culture*. London: Exegetics Ltd.
- Harahap, F., Diky, S.D., Roedhy, P., Nanda, E.A.N and Rifa, F.M.H. 2019. *In vitro* Callus Induction of Sipahutar Pineapple (*Ananas comosus* L.) from North Sumatra Indonesia. *Pakistan Journal of Biological Sciences*, Vol 22(11): 518-526.
- Harahap, F., A.Hasanah., H.insani., N.K.Harahap., M.D.Pinem., S.Edi., H.Sipahutar., R.Silaban. 2019. *Kultur jaringan nanas*. Surabaya: penerbit media sahabat cendika. Hal 14.
- Hartanti, M.F., Nurhidayanti., T. Muryono. 2013. Budidaya Tanaman Tembakau (*Nicotiana Tabacum* L. Var. Prancak 95) Pada Cekaman Kekeringan PEG Secara *in vitro*. *Skripsi*. Surabaya: ITS.
- Hasanuddin., K.SRifayani., G.Supriadi., D.Kurnia., D.Adhita. 2015. Potential of Terpenoid Bioactive Compound Isolated from Papua Ant Nest as an Alternative Ovarian Cancer Treatment. *Open journal of obstetrics and gynecology*.5(7): 406-411.
- Hassan, N.S., Shaaban, L.D., Hashem, E.S.A. and Seleem, E.E., 2004. *In vitro* selection for water stress tolerant callus line of *Helianthus annuus* L. Cv. Myak. *International Journal of Agriculture and Biology*. 6(1):13-18.
- Hendaryono, D.P.S., A.Wijayani. 1994. *Teknik Kultur Jaringan*. Yogyakarta: Penerbit Kanisius. Hal 30.
- Hosseini, N. S., Z. G. Hagh, and H. Khoshghalb. 2019. Morphological, Antioxidant Enzyme Activity And Secondary Metabolites Accumulation in Response of Polyethylene Glycol-Induced Osmotic Stress in Embryo-Derived Plantlets and Callus Cultures of *Salvia leriifolia*. *Plant Cell, Tissue and Organ Culture (PCTOC)*.
- Herawati, R., B. S. Purwoko, N. Khumaida, I.S. Dewi dan B. Abdullah. 2008. Pembentukan Galur Haploid Ganda Padi Gogo Dengan Sifat-Sifat Tipe Baru Melalui Kultur Antera. *Buletin Agronomi*, 36 (3) : 181–187.
- Heyser, J.W. and Nabors, M.W. (1981). Growth Water Content, and Solute Accumulation of Two Tobacco Cell Lines Cultured on Sodium Chloride, Dextran, and Polyethylene Glycol. *Plant Physiology*, 68: 1454-1459.
- Hutadilok-Towatana N, Chaityamutti P, Panthong K, Mahabusarakam W, Rukachaisirikul V. Antioxidative and Free Radical Scavenging Activities of Some Plants Used in Thai Folk Medicine. *Pharm Biol* 2006;44(3):221–228.
- Ibrahim, M.S.D. 2015. Faktor Penentu Keberhasilan Perbanyakan Kopi (*Coffea* Spp.) Melalui Embriogenesis Somatik. *Jurnal Sirinov*. 3(3): 127-136.

- Jan, T., B. Naqvi, R. Qadri and M. Nisar. 2015. Effect of Age of Cultures and Hormones on the Synthesis of Secondary Metabolites From Callus of *Salvia santolinifolia* (Boiss), A Medicinal Herb. *European Journal of Biotechnology and Bioscience Online Issue*. 3(11): 2321–9122.
- Jeong, M., H. Lee, G. Kim, J. Jo, J. W. Chang, J. H. Jung, Y. G. Suh, and H. Yun. 2019. "Divergent Synthetic Route to Oxidized Benzofulvene Sesquiterpenoids: Protecting-Group-Free Total Synthesis of Nicotianasesterpenes A, B, and a Polygonum Sesquiterpenoid." *European Journal of Organic Chemistry* 6714-6719.
- Kosasih, K., Sumaryono, W. Supriyono, A., Mudhakhir, D. 2020. Possible Cytotoxic Activity Analysis of Diethyl Ether Extract of *Vaccinium varingiaefolium* (Blume) Mq. Leaves by GC-MS Method. *J. Pharm. Sci. & Res.* 12(6):840-847.
- Kuete V, Mbaveng AT, Nono ECN, et al. Cytotoxicity of seven naturally occurring phenolic compounds towards multi-factorial drug-resistant cancer cells. *Phytomedicine*. 2016; 23: 856-863.
- Laila, N.F., E.S. Savitri. 2014. Produksi Metabolit Sekunder Steviosida Pada Kultur Kalus Stevia (*Stevia Rebaudiana* Bert. M.) dengan Penambahan ZPT 2,4-D Dan PEG (Polyethylene Glykol) 6000 Pada Media MS (Murashige & Skoog). *El- hayah*. 4(2):57-65.
- Lawlor, D.W. 1970. Absorption of polyethylene glycols (PEG) by plants and their effects on plant growth. *New phytol.* 69: 501-513.
- Lertsatitthanakorn P, Taweechaisupapong S, Aromdee C, Khunkitti W. *In vitro* bioactivities of essential oils used for acne control. *Int J Aroma* 2006;16(1):43–49.
- Lokhande V. H., Nikam T. D., Penna S. 2010 Biochemical, Physiological and Growth Changes in Response to Salinity in Callus Cultures of *Sesuvium portulacastrum* L. *Plant Cell Tiss Organ Cult.* 102:17-25.
- Mahmood I., Razzaq A., Ahmad Hafiz I., Kaleem S., Ahmad A. K. A., Ahmad M., 2012. Interaction of Callus Selection Media and Stress Duration for in vitro Selection of Drought Tolerant Callus of Wheat. *Afr J Biotech.* 11(17): 4000-4006.
- Mahood, H.E., 2021. Effect of Mannitol and PEG on the Accumulation of Rutin in Callus culture of *Ruta Graveolens*. *Annals of the Romanian Society for Cell Biology*. 25(5):924-931.
- Manosroi J, Dhumtanom P, Manosroi A. Anti-proliferative activity of essential oil extracted from Thai medicinal plants on KB and P388 cell lines. *Cancer Lett* 2006;235:114–120.
- Mario, C. F.; Erin, R. J.; Melinda, R.V.; James, S. W.; Ross, L.; Barclay, C.; Ingold, K. U. Naphthalene Diols: A New Class of Antioxidants Intramolecular Hydrogen Bonding in Catechols, Naphthalene Diols, and Their Aryloxyl Radicals. *Journal of Organic Chemistry*. 2002, 67, 5190-5196
- Masadi, Y.I., T.Lesatri., I.K.Dewi. 2018. Identifikasi Kualitatif Senyawa Terpenoid Ekstrak N- Heksana Sediaan Losion Daun Jeruk Purut (*Citrus hystrix* Dc). *Jurnal kebidanan dan kesehatan tradisional*.3(1): 1-56.
- Mastuti, R. 2017. *Dasar-Dasar Kultur Jaringan Tumbuhan*. UB Press. Malang, hal: 67-68.
- Meneses, C.H.S.G., R.L.A. Bruno, P.D. Fernandes, W.E. Pereira, L.H.G.M. Lima, M.M.A. Lima, and M.S. Vidal. 2011. Germination of Cotton Cultivar Seeds Under Water Stress Induced by Polyethyleneglycol-6000. *Crop Science*. 68(2):131-138.
- Mengesha, B., Mekbib, F. and Abraha, E., 2016. *In vitro* screening of cactus [*Opuntia*



- ficus-indicia* (L.) Mill] genotypes for drought tolerance. *American Journal of Plant Sciences*. 7(13): 1741-1758.
- Muryanti, S dan E.Anggarwulan, 2005. Pertumbuhan dan Produksi Reserpin Kalus Pule Pandak (*Rauvolfia serpentine* (L.) Bentham ex. Kurz.) pada pemberian Metil Jasmonat secara *in vitro*. *Bioteknologi*. 22(2).
- Myint, P.P., Kyi, M.M., Myint, S.H., Ngwe, D.H. 2016. Investigation of Phytochemical Constituents and Smooth Muscle Relaxation Activity of Various Herbal Plants in Myanmar. *Journal of Complementary and Alternative Medical Research*. 1(4): 1-10.
- Neamah , S.I., 2018. *In vitro* production of some Terpenoids compounds From *Nigella Sativa* with different explants type and PEG Concentrations. *Iraqi journal of agricultural science*. 49(4): 534-540.
- Noaman, M. 2004. Effect of Potassium and Nitrogen Fertilizers on the Growth and Biomass of Some Halophytes Grown under High Levels of Salinity. *Journal of Agronomy*. 3(1).
- Nurhayati, T, D. Aryanti, dan Nurjanah. 2009. Kajian Awal Potensi Ekstrak Spons Sebagai Antioksidan. *Jurnal Kelautan Nasional*. 2(2):43-51.
- Okcu, G., M.D. Kaya, And M. Atak. 2005. Effects of Salt and Drought Stresses on Germination and Seedling Growth Of Pea (*Pisum Sativum* L.). *Turk J. Agric*. 29: 237-242.
- Patel, M., Patel, K. 2019. Naphthalene Substituted Benzo[C] Coumarins: Synthesis, Characterization and Evaluation of Antibacterial Activity and Cytotoxicity. 25(1):146-151. doi:10.1515/hc-2019-0024
- Pergentino de Sousa, D., J. C. R. Goncalves, L. Quintans-Junior, J. S. Cruz, D. A. M. Araujo, and R. Nobrega de Almeida. 2006. Study of Anticonvulsant Effect of Citronellol, A Monoterpene Alcohol, in Rodents. *Neuroscience Letters* 401: 231-235.
- Plaut, Z. 1985. A Simple Procedure To Overcome Polyethylene Glycol Toxicity on Whole Plants. *Plant physiol*. 79: 559-561.
- Prestegard, S.K.; Erga, S.R.; Steinrucken, P.; Mjas, S.A.; Knutsen, G.; Rohloff, J. 2016. Specific Metabolites in a *Phaeodactylum tricornutum* Strain Isolated from Western Norwegian Fjord Water. *Mar. Drugs*. 14(9): 1-17.
- Priyanto, D., W.A.S. Tunjung, and A. Indriyanto. 2018. Extract of Elicited Kaffir Lime (*Citrus hystrix* DC.) Cells Suspension by *Saccharomyces cereviseae* H. and Its Citotoxicity Against T47D Cells. *Indian Journal of Physiotherapy and Occupational Therapy*. 12(4): 202-209.
- Raheem, A.A.T., Ragab, A. R., Kasem, Z.A., Omar, F. D. & A.M. Samera. 2007. *In vitro* Selection For Tomato Plants For Drought Tolerance Via Callus Culture Under Polyethylene Glycol (PEG) And Mannitol Treatments. *African crop science conference proceedings*. 8: 2017-2032.
- Rai M. K., Kalia R. K., Singh R., Gangola M. P., Dhawan A. K. 2011. Developing Stress Tolerant Plants Through in Vitro Selection - An Overview of the Recent Progress. *Environ Exp Bot*. 71(1): 89-98.
- Razavizadeh, R., Farahzadianpoor, F., Adabavazeh, F., Komatsu, S. 2019. Physiological and morphological analyses of *Thymus vulgaris* L. in Vitro Cultures Under Polyethylene Glycol (PEG)-Induced Osmotic Stress. *Cell.Dev.Biol.-Plant*. 55:342-357.

- Riyadi, I., dan Tirtoboma. 2004. Pengaruh 2,4D Terhadap Induksi Embrio Somatic Kopi Arabika. *Bulletin plasma nuftah*. 10(2).
- Ruan, J., Li, J., Fang, X., Wang, L., Hu, W., Chen, X., Yang, C. 2016. Isolation and Characterization of Three New Monoterpene Synthases from *Artemisia annua*. *Front. Plant Sci*. 7:638.
- Saikia, M., Shrivastava, K., Singh, S. 2012. An Efficient Protocol for Callus Induction in *Aquilaria malaccensis* Lam. Using Leaf Explants at Varied Concentrations of Sucrose. *International Journal of Plant Research*. 2(6): 188-194.
- Santoso, U dan Nursandi. 2002. *Kultur Jaringan Tanaman*. Malang : UMM Press.
- Shofiyani, A dan A.M. Purnawanto. 2010. Pengaruh Kombinasi 2,4-D Dan Benzil Amino Purin (BAP) Terhadap Pembentukan Kalus Pada Eksplan Daun Kencur (*Kaemferia galangal* L) secara *in vitro*. *Agritech*. 7(2): 114-128.
- Siripongvutikorn S, Thummaratwasik P, Huang Y. Antimicrobial and Antioxidation Effects of Thai seasoning, Tom-Yum. *LTW-Food Sci Technol* 2005;38(4):347–352.
- Smith, R.H. 2012. *Plant Tissue Culture :Techniques and Experiment*. Academic Press.
- Sousa, OV., Del-Vechio-Vieria, G., Alves, M.S., Ailson A., Araujo, L., Pinto, M.A.O., Amaral, M.P.H., Rodarte, M.P. and M.A. C. Kaplan, 2012, Chemical Composition and Biological Activities of the Essential Oils From *Duguetia lanceolata* St. Hil. Barks, *Molecules*, 17(9): 11056-11066.
- Sparkman, O.D., Penton, Z., Fulton, G. 2011. *Gas chromatography and mass spectrometry : a practical guide*. Elsevier.
- Srisukh, V., C. Tribuddharat., V. Nukoolkarn., N. Bunyapraphatsara., K. Chokephaibulkit., S.Phoomniyom., S.Chuanphung., S.Srifuengfung. 2012. Antibacterial Activity of Essential Oils From *Citrus hystrix* (makrut lime) Against Respiratory Tract Pathogens. *Sciense Asia*. 38: 212-217.
- Sumartini, S., Sulistyowati, E., Mulyani, S., Abdurrakhman. 2013. Skrining Galur Kapas (*Gossypium hirsutum* L.) Toleran terhadap Kekeringan dengan PEG-6000 pada Fase Kecambah. *Jurnal Littri*. 19(3):139-146.
- Sun, S. A.Phrutivorapongkul., D.F.Dibwe., C.Balachandran., S. Awale. 2018. Chemical Constituents of Thai *Citrus hystrix* and Their Antiausterity Activity Against the PANC-1 Human Pancreatic Cancer Cell Line. *Journal of natural*
- Surahmaida dan Umarudin. 2019. *Aplikasi Miana, Kemangi dan Kumis Kucing Sebagai Pestisida Nabati*. Gresik: Penerbit graniti. Halaman 4.
- Suryowinoto, M. 1991. *Pemuliaan Tanaman secara in Vitro*. Yogyakarta: Kanisius.
- Susanti, E. 2014. Pengaruh *Osmoconditioning* dengan PEG 6000 terhadap Viabilitas Benih Kenaf (*Hibiscus cannabinus* L.). *Skripsi*. Fakultas Sains dan Teknologi UIN Malang.
- Swantara, M. D., W. S. Rita, N. Suartha and K. K. Agustina. 2019. Anticancer Activities of Toxic Isolate Of *Xestospongia Testudinaria* Sponge. *Veterinary World* 19: 1434-1440.
- Thao, N.T.Y., K.Ureshino., I.Miyajima., Y.Ozaki., H.Okubo. 2003. Induction of Tetraploids in Ornamental *Alocasia* Through Colchicine and Oryzalin Treatments. *Plant Cell, Tissue and Organ Culture*. 72: 19–25.
- Tunjung, W.A.S., J.Cinatl., M.Michaelis., C.M.Smales. 2015. Anti-Cancer Effect of Kaffir Lime (*Citrus hystrix* DC) Leaf Extract in Cervical Cancer and Neuroblastoma Cell Lines. *Procedia chemistry*. 14: 465-468.
- Tunjung, W.A.S., R.S. Ramadani., Hannisa., N. Wijayanti., L.Hidayati. 2016. Protein Profile of Breast Cancer Cell Line (T47D) with Kaffir Lime (*Citrus hystrix* DC.)

- Leaf Extract Treatment. *AIP Conf. Proc.* 1744, 020062-1–020062-9.
- Varsha, K.K., Devendra, L., Shilpa, G., Priya, S., Pandey, A., Nampoothiri, K.M. 2015. 2,4-Di-Tert-Butyl Phenol as the Antifungal, Antioxidant Bioactive Purified from a Newly Isolated *Lactococcus* sp. *Int. J. Food Microbiol.* 211: 44–50.
- Velayutham, P., Karthi, C. 2015. GC-MS Profile of in Vivo *In vitro* and Fungal Elicited In vitro Leaves of *Hybanthus enneaspermus* (L.) F. Muell. *International Journal of Pharmacy and Pharmaceutical Sciences.* 7(10):260-267.
- Vimalavady, A., Kadavul, K. 2013. Phytocomponents identified on the various extracts of stem of *Hugonia mystax* L. (Linaceae). *Euro. J. Exp. Bio.* 3(1):73-80.
- Wahyulianingsih, Selpida Handayani & Abd. Malik. 2016. Penetapan Kadar Flavonoid Total Ekstrak Daun Cengkeh (*Syzygium aromaticum* (L.) Merr Perry. *Jurnal Fitofarmaka Indonesia.* 3(2): 190.
- Wani S. H., Parvez A. S., Satbir S. G., Naorem B. S., 2010 In Vitro Screening of Rice (*Oryza sativa* L.) Callus for Drought Tolerance. *Communications in Biometry and Crop Science.* 5(2): 108-115.
- Waryastuti, D.E., L.Setyobudi., T.Wardiyati. 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.
- Widyasari, A. F. 2020. Karakterisasi Senyawa Bioaktif dan Morfologi Tiga Generasi Kalus (*Citrus hystrix* DC.) dengan Tiga Variasi Konsentrasi Zat Pengatur Tumbuh. *Skripsi.* Universitas Gadjah Mada. Yogyakarta.
- Wijayanti, N., W.A.S.Tunjung., Y.Setyawati. 2015. Cytotoxicity And Apoptosis Induction By Kaffir Lime Leaves Extract (*Citrus hystrix* Dc.) in Hela Cells Culture (Human Cervical Cancer Cell Line). *KnE Life Science.* 3: 631
- Yoo, Y., B. Shin, J. Hong, J. Lee, H. Chee, K. Song, and K. Lee. 2007. Isolation of Fatty Acids with Anticancer Activity from *Protaetia brevitarsis* Larva. *Archives of Pharmacal Research* 30 (3): 361-365.
- Yuliarti, N. 2010. *Kultur Jaringan Tanaman Skala Rumah Tangga.* Yogyakarta: Lily Publisher. Hal 9-10.
- Yulinda, E. 2010. Kultur *in vitro* Tanaman *Centella asiatica* dengan Beberapa Konsentrasi Polietilen Glikol (PEG) 6000 dan Potensinya Untuk Produksi Metabolit Sekunder Triterpenoid. *Skripsi.* Jurusan Kimia Fakultas Matematika dan Ilmu Pengetahuan Alam. Universitas Andalas. Padang.
- Zhao, F., Wang P., Lucard, R.D., Su, Z., Li, S. 2020. Natural Sources and Bioactivities of 2,4-Di-Tert-Butylphenol and Its Analogs. *Toxins.* 12(1):35.
- Zulhilmi., Suwirman., N.W.Surya. 2012. Pertumbuhan dan Uji Kualitatif Kandungan Metabolit Sekunder Kalus Gatang (*Spilanthes acmella* Murr.) dengan Penambahan PEG untuk Menginduksi Cekaman Kekeringan. *Jurnal Biologi Universitas Andalas.* 1(1): 1-8.