

## DAFTAR PUSTAKA

- Abbas, P., Hashim, Y.Z., & Salleh, H. M. (2018). Uninfected agarwood branch extract possess cytotoxic and inhibitory effects on MCF-7 breast cancer cells. *Journal of Research in Pharmacy*, 23(1), 120-129. <https://doi.org/10.12991/jrp.2018.116>
- Abraham, M., Augustine, D., Rao, R. S., Sowmya, S. V., Haragannavar, V. C., Nambiar, S., Prasad, K., Awan K. H., & Patil, S. (2017). Naturally Available Extracts Inhibiting Cancer Progression: A Systematic Review. *Journal of Evidence-Based Complementary & Alternative Medicine*, 22(4), 870. <https://doi.org/10.1177/2156587217744914>
- Abubakar, A. R., & Haque, M. (2020). Preparation of Medicinal Plants: Basic Extraction and Fractionation Procedures for Experimental Purposes. *Journal of Pharmacy & Bioallied Sciences*, 12(1), 4. [https://doi.org/10.4103/jpbs.JPBS\\_175\\_19](https://doi.org/10.4103/jpbs.JPBS_175_19)
- Adam, A., Lee, S. Y., & Mohamed, R. (2017). Pharmacological properties of agarwood tea derived from *Aquilaria* (Thymelaeaceae) leaves: An emerging contemporary herbal drink. *Journal of Herbal Medicine*, 10, 37-40. <https://doi.org/10.1016/j.hermed.2017.06.002>
- Agustini, L., Wahyuno, D., & Santoso, E. (2006). Keanekaragaman Jenis Jamur yang Potensial Dalam Pembentukan Gaharu dari Batang *Aquilaria* spp. *Jurnal Penelitian Hutan dan Konservasi Alam*, 3(5), 558-560. <https://doi.org/10.20886/jphka.2006.3.5.555-564>
- Alm, J. J., Qian, H., & Blank, K. L. (2014). *Tissue Engineering*. London: Academic Press.
- Ambari, Y., Fitri, S., & Nurrosyidah, I. H. (2021). Uji Aktivitas Antioksidan Masker Gel Peel-off Ekstrak Etanol Kelopak Bunga Rosela (*Hibiscus sabdariffa* L.) dengan Metode DPPH (1,1- Diphenyl-2-picrylhydrazyl). *Jurnal Farmasi Indonesia*, 18(1), 56-58. <https://doi.org/10.30595/pharmacy.v18i1.8700>
- Anand, P., Kunnumakkara, A. B., Sundaram, C., Harikumar, K. B., Tharakan, S. T., Lai, O. S., Sung, B., & Aggarwal, B. B. (2008). Cancer is a preventable disease that requires major lifestyle changes. *Pharmaceutical research*, 25(9), 2097-2116. <https://doi.org/10.1007/s11095-008-9661-9>
- Azmir, J., Zaidul, I.S., Rahman, M.M., Sharif, K.M., Mohamed, A.A., Sahena, F., Jahurul, M.H., Ghafoor, K., Norulaini, N.A., & Omar, A.K. (2013). Techniques for extraction of bioactive compounds from plant materials: A review. *Journal of Food Engineering*, 117, 428. <https://doi.org/10.1016/J.JFOODENG.2013.01.014>
- Batubara, R., Surjanto, Ismanelly, T. (2017). Kelayakan Daun Gaharu Endemik Sumatera (*Wikstroemia tenuiramis* Miq) Sebagai Bahan Baku Teh Gaharu Yang Kaya Antioksidan. *Prosiding Seminar Nasional Kimia*, 163-170.
- Boik, J., Kirakosyan, A., Kaufman, P.B., Seymour, E.M., & Spelman, K. (2009). *Recent Advances in Plant Biotechnology*. Boston: Springer.
- CCRC. (2009). Prosedur tetap Uji Sitotoksik Metode MTT, Cancer Chemoprevention Research Center Farmasi UGM Yogyakarta, 6-9.

- Retrieved from: <https://ugm.ac.id/wp-content/uploads/sites/1439/03.010.02-uji-sitotoksik-MTT.pdf>
- Chairunnisa, S., Wartini, N. M., & Suhendra, L. Pengaruh Suhu dan Waktu Maserasi terhadap Karakteristik Ekstrak Daun Bidara (*Ziziphus mauritiana* L.) sebagai Sumber Saponin. *Jurnal Rekayasa dan Manajemen Agroindustri*, 7(4), 552-553. <https://doi.org/10.24843/JRMA.2019.v07.i04.p07>
- Chhipa, H., Chowdhary, K. & Kaushik, N. (2017). Artificial production of agarwood oil in *Aquilaria* sp. by fungi: a review. *Phytochem Rev*, 16, 835–860. <https://doi.org/10.1007/s11101-017-9492-6>
- Convention on International Trade in Endangered Species of Wild Fauna and Flora (CITES). (2022). *Gyrinops versteegii*. Retrieved from: <https://cites.org/eng/taxonomy/term/41551>
- Denais, C., & Lammerding, J. (2014). Nuclear Mechanics in Cancer. *Advances in Experimental Medicine and Biology*, 773, 435-470. [https://doi.org/10.1007/978-1-4899-8032-8\\_20](https://doi.org/10.1007/978-1-4899-8032-8_20)
- Dewatisari, W. F. (2020). Perbandingan pelarut kloroform dan etanol terhadap rendemen ekstrak daun lidah mertua (*Sansevieria trifasciata*. Prain) menggunakan metode maserasi. *Prosiding Seminar Nasional Biologi di Era Pandemi COVID-19*, (6)1, 127-131. <https://doi.org/10.24252/psb.v6i1.15638>
- Dreher, D., & Junod, A. F. (1996). Role of oxygen free radicals in cancer development. *European journal of cancer (Oxford, England : 1990)*, 32A(1), 30–36. [https://doi.org/10.1016/0959-8049\(95\)00531-5](https://doi.org/10.1016/0959-8049(95)00531-5)
- Dwimasayanti, R. (2018). Rumpun Laut: Antioksidan Alami Penangkal Radikal Bebas. *Oseana*, 43(2), 19. <https://doi.org/10.14203/oseana>
- Fadriyanti, O., Nasution, I. D., Handayani, D., & Siswomiharjo, W. (2019). GC-MS Analysis Of Volatile Active Compounds Isolated From *Aspergillus* sp Of *Rhizophora mucronata*. *Rayasan J. Chem*, 12(4), 2284. <http://dx.doi.org/10.31788/RJC.2019.1245415>
- Faizal, A., Azar, A.W.P., Turjaman, M., & Ezyanti, R. R. (2020). *Fusarium solani* induces the formation of agarwood in *Gyrinops versteegii* (Gilg.) Domke branches. *Symbiosis*, 81, 15–23. <https://doi.org/10.1007/s13199-020-00677-w>
- Gultom, E. S., Sakinah, M., & Hasanah, U. (2020). Eksplorasi Senyawa Metabolit Sekunder Helaian Daun Kirinyuh (*Chromolaena odorata*) dengan Gas Chromatography-Mass Spectroscopy (GS-MS). *Jurnal Biosains*, 6(1), 23-25. <https://doi.org/10.24114/jbio.v6i1.16450>
- Gusnailina & Sumadiwangsa. (2020). The Enhancement of Added Value of Agarwood by Diversification Product. *IOP Conference Series: Earth and Environmental Science*, (591), 1. <https://doi.org/10.1088/1755-1315/591/1/012022>
- Hadju, Y., Salimi, Y. K., Bialangi, N., & Ischak, N. I. Analysis Of Protein And Bioactivity Of Nike Fish (*Awaous melanocephalus*) Extract As Antioxidant. *Jambura Fish Processing Journal*, 4(2), 109.
- Hanahan, D., & Weinberg, R. A. (2011). Hallmarks of Cancer: The Next Generation. *Cell*, 144(5), 646-674. <https://doi.org/10.1016/j.cell.2011.02.013>

- Handayani, P. A., & Nurcahyanti, H. (2014). Ekstraksi Minyak Atsiri Daun Zodia (*Evodia Suaveolens*) Dengan Metode Maserasi dan Distilasi Air. *Jurnal Bahan Alam Terbarukan*, 4(1), 1-7. <https://doi.org/10.15294/jbat.v3i1.3095>
- Handoyo, D. L. Y., & Pranoto, M. E. (2020). Pengaruh Variasi Suhu Pengeringan Terhadap Pembuatan Simplisia Daun Mimba (*Azadirachta indica*). *Jurnal Farmasi Tinctura*, 1(2), 47. <https://doi.org/10.35316/tinctura.v1i2.988>
- Harahap, A. U., & Silaban R. (2019). Mengenal Potensi Merica Batak: Andaliman (*Zanthoxylum acanthopodium*). Medan: Puspantara.
- Hartman, I. K., & Wagener, J. CO2 Incubators–Best Practices for Selection, Set-up and Care. Retrieved from [https://www.eppendorf.com/product-media/doc/en/151861/Eppendorf\\_CO2-Incubators\\_White-Paper\\_029\\_CO2-Incubators\\_Best-Practices-Selection\\_Set-up-Care.pdf](https://www.eppendorf.com/product-media/doc/en/151861/Eppendorf_CO2-Incubators_White-Paper_029_CO2-Incubators_Best-Practices-Selection_Set-up-Care.pdf)
- Hartono, Wibowo, A., & Priyatmojo. (2019) Isolation, Identification and the Abilities of Fungi Associated with Agarwood from Bangka Belitung Island to Induce Agarwood Compounds, *Jurnal Perlindungan Tanaman Indonesia*, 23(1), 84-108. <https://doi.org/10.22146/jpti.31623>
- Hasanah, A. N., Nazaruddin, F., Febrina, E., & Zuhrotum, A. (2011). Analisis Kandungan Minyak Atsiri dan Uji Aktivitas Antiinflamasi Ekstrak Rimpang Kencur (*Kaempferia galanga* L.). *Jurnal Matematika & Sains*, 16(3), 147-152.
- Hidayah, N., Hisan, A. K., Solikin, A., Irawati., & Mustikaningtyas, D. (2016). Uji Efektivitas Ekstrak *Sargassum muticum* Sebagai Alternatif Obat Bisul Akibat Aktivitas *Staphylococcus aureus*. *Journal of Creativity Students*, 1(1), 1-9.
- Hong, W. K., Jr, R. C. B., Hait, W. N., Kufe, D. W., Pollock, R. E., Weichselbaum, R. R., Holland, J. F., & III, E. F. (2010). *Holland-Frei Cancer Medicine*. USA: People's Medical Publishing House.
- International Agency for Research on Cancer. *Globocan Fact Sheet: Cancer incidence, mortality, and prevalence worldwide in 2020*. Retrieved from <https://gco.iarc.fr/today/data/factsheets/populations/900-world-fact-sheets.pdf>
- Istifli, E. S., Hüsünet, M. T., & İla, H. B. (2019). Cell Division, Cytotoxicity, and the Assays Used in the Detection of Cytotoxicity. *IntechOpen*, 1. <https://doi.org/10.5772/intechopen.88368>
- ITIS. (2022). *Gyrinops versteegii* (Gilg) Domke. Retrieved from : [https://www.itis.gov/servlet/SingleRpt/SingleRpt?search\\_topic=TSN&search\\_value=845834#null](https://www.itis.gov/servlet/SingleRpt/SingleRpt?search_topic=TSN&search_value=845834#null)
- Jun, M., Fu, H. Y., Hong, J., Wan, X., Yang, C. S., & Ho, C. -T. (2003) Comparison of antioxidant activities of isoflavones from kadzu root (*puerari lobata* Ohwi). *J Food Sci*, 68, 2117-2122. <https://doi.org/10.1111/j.1365-2621.2003.tb07029.x>
- Junedi, S., Susidarti, R. A., & Meiyanto, E. (2010). Peningkatan efek Sitotoksik Doxorubicin oleh Naringenin pada Sel Kanker Payudara T47D melalui Induksi Apoptosis. *Jurnal Ilmu Kefarmasian Indonesia*, 8(2), 86.
- Kabir, Y. (2020). *Functional Foods in Cancer Prevention and Theraphy*. Academic Press. London.

- Karimaa, A. (2018). Uji *in Vitro* Senyawa Antikanker SA 2014 terhadap Aktivitas Fagositosis Sel Makrofag (*Mus musculus*). *Jurnal Sains dan Seni ITS*, 7(2), e28. <https://doi.org/10.12962/j23373520.v7i2.30846>.
- Kedare, S. B., & Singh, R. P. (2011). Genesis and development of DPPH method of antioxidant Assay. *Journal of food science and technology*, 48(4), 412–424. <https://doi.org/10.1007/s13197-011-0251-1>
- Khaira, K. (2010). Menangkal radikal Bebas dengan Anti-oksidan. *Jurnal Saintek*, 2(2), 183-187. <http://dx.doi.org/10.31958/js.v2i2.28>
- Khairani, S., Keban, S. A., & Afrianty, M. (2019). Evaluasi Efek Samping Obat Kemoterapi terhadap Quality of Life (QoL) Pasien Kanker Payudara di Rumah Sakit X Jakarta. *Jurnal Ilmu kefarmasian Indonesia*, 17(1), 9-13. <https://doi.org/10.35814/jifi.v17i1.705>
- LaVigne, A. W., Triedman, S. A., Randall, T. C., Trimble, E. L., & Viswanathan, A. N. (2017). Cervical cancer in low and middle income countries: Addressing barriers to radiotherapy delivery. *Gynecologic oncology reports*, 22, 16–20. <https://doi.org/10.1016/j.gore.2017.08.004>
- Lobo, V., Patil, A., Phatak, A., & Chandra, N. (2010). Free radicals, antioxidants and functional foods: Impact on human health. *Pharmacognosy reviews*, 4(8), 118–120. <https://doi.org/10.4103/0973-7847.70902>
- Manurung, I. D., Hidayati, L., Wijayanti, N., & Nuringtyas, T. R. (2021). Metabolite profiling of agarwood (*Gyrinops versteegii* (Gilg.) Domke) leaves from difference growth locations using Thin Layer Chromatography. *Jurnal Biologis Tropis*, 21(2), 615-623. <https://doi.org/10.29303/jbt.v21i2.2710>
- Martin, N. C., Pirie, A. A., Ford, L. V., Callaghan, C. L., McTurk, K., Lucy, D., & Scrimger, D. G. (2006). The use of phosphate buffered saline for the recovery of cells and spermatozoa from swabs. *Science & justice : journal of the Forensic Science Society*, 46(3), 179–180. [https://doi.org/10.1016/S1355-0306\(06\)71591-X](https://doi.org/10.1016/S1355-0306(06)71591-X)
- Marxen, K., Vanselow, K. H., Lippemeier, S., Hintze, R., Ruser, A., & Hansen, U. P. (2007). Determination of DPPH Radical Oxidation Caused by Methanolic Extracts of Some Microalgal Species by Linear Regression Analysis of Spectrophotometric Measurements. *Sensors (Basel, Switzerland)*, 7(10), 2082. <https://doi.org/10.3390/s710208>
- Molyneux, P. (2004). The Use of the Stable Radical Diphenylpicrylhydrazyl (DPPH) for Estimating Antioxidant Activity. *Songklanakarin Journal of Science and Technology*, 26(2), 212-217.
- Mukhriani. (2014). Ekstraksi, Pemisahan Senyawa, dan Identifikasi Senyawa Aktif. *Jurnal Kesehatan*, 7(2), 361-367. <https://doi.org/10.24252/kesehatan.v7i2.55>
- Mulyaningsih, T., & Yamada, I. (2008). Natural resource management and socio-economic transformation under the decentralization in Indonesia: Toward Sulawesi area studies. 365– 372.
- Mulyaningsih, T., Marsono, D., Sumardi, & Yamada, I. (2014). Selection of Superior Breeding intraspecies Gaharu *Gyrinops versteegii* (Gilg.) Domke. *Journal of Agricultural Science and Technology*, 4(2), 485-492.
- Nasution, P. A., Batubara, R., & Surjanto. (2015). Tingkat Kekuatan Antioksidan dan Kesukaan Masyarakat terhadap Teh Daun Gaharu (*IAquilaria*



- malaccensis Lamk) Berdasarkan Pohon Induksi dan Non-Induksi. *Penomena Forestry Science Journal*, 1(1), 1.
- Nahat, P. M., Muljati, T. P. S., Nurcholis. Kandungan Asam Sianida Dan Aktivitas Antioksidan Pada Kluwak (*Pangium edule* Reinw.) Setelah Proses Perebusan. *Analisis Kesehatan Sains*, 6(2), 499.
- Nasyanka, A. L., Na'imah, J., & Aulia, R. (2022). *Pengantar Fitokimia D3 Farmasi 2020*. Pasuruan: Qiara Media.
- Nene, A. G., Xuefeng, Y., Hongrong, L., & Ramakrishna, S. (2020). Antioxidant Functionality in Plants and Plant Sourced Biomaterials, *Austin J Nutr Metab*, 7(3), 2. <http://doi.org/10.26420/austinjnutrmetab.2020.1081>
- Nguyen, D. X., Bos, P. D., & Massagué, J. (2009). Metastasis: from dissemination to organ-specific colonization. *Nature reviews. Cancer*, 9(4), 274–284. <https://doi.org/10.1038/nrc2622>
- Noviana, D., Handharyani, E., Purwantiningsih, Wresdiyati, T., Wientarsih, I., & Agungpriyono. (2018). *Strategi Pengembangan teknologi Diagnostik Penyakit dan Penanganan Kesehatan Hewan dalam Rangka mendukung Kesejahteraan Manusia*. Bogor: PT Penerbit IPB Press.
- Nowak-Terpiłowska, A., Śledziński, P., & Zeyland, J. (2021). Impact of cell harvesting methods on detection of cell surface proteins and apoptotic markers. *Brazilian journal of medical and biological research = Revista brasileira de pesquisas medicas e biologicas*, 54(2), e10197. <https://doi.org/10.1590/1414-431X202010197>
- Nuringtyas, T. R., Isromarina, R., Septia, Y., Hidayati, L., Wijayanti, N., & Moeljopawiro, S. (2018). The Antioxidant and Cytotoxic Activities of the Chloroform Extract of Agarwood (*Gyrinops versteegii* (Gilg.) Domke) leaves on HeLa cell lines. *AIP Conference Proceedings*, 2022, 020067-1–020067-9. <https://doi.org/10.1063/1.5050163>
- Nurjanah, Hidayat, T., & Abdullah, A. (2021). *Pengetahuan Bahan Baku Industri Hasil Perairan: Panduan Praktikum*. Bogor: PT Penerbit IPB Press.
- Pallardy, S. G. (2010). *Physiology of Woody Plants*. Burlington: Elsevier Science.
- Panggabean, L., Nurhamidah, & Handayani, D. (2020). Profil Fitokimia dan Uji Sitotoksik Ekstrak Etanol Tumbuhan *Zanthoxylum acanthopodium* DC (Andaliman) Menggunakan Metode BSLT. *Jurnal Pendidikan dan Ilmu Kimia*, 4(1), 61. <https://doi.org/10.33369/atp.v4i1.13711>
- Parthasarathy, V., & Rathnam, U. (2012). Nipple discharge: an early warning sign of breast cancer. *International journal of preventive medicine*, 3(11), 810–814.
- Perdani, L. (2019). Efektivitas Fraksi Potensial Daun Gaharu *Gyrinops versteegii* (Glig.) Domke dan *Aquilaria malaccensis* Lamk. terhadap Apoptosis dan Proliferasi Sel Kanker Payudara T47D. [Skripsi]. Yogyakarta: Universitas Gadjah Mada.
- Pizzino, G., Irrera, N., Cucinotta, M., Pallio, G., Mannino, F., Arcoraci, V., Squadrito, F., Altavilla, D., & Bitto, A. (2017). Oxidative Stress: Harms and Benefits for Human Health. *Oxidative medicine and cellular longevity*, 2017, 1-6. <https://doi.org/10.1155/2017/8416763>
- Prayitno, T. A., & Hidayati, N. (2020). *Mikrobiologi Berbasis Science, Technology, Engineering, and Mathematics (STEM)*. Malang: Media Nusa Creative (MNC Publishing).

- Puspitasari, A. D., & Progoyo, L. S. (2017). Perbandingan Metode Ekstraksi Maserasi dan Sokletasi Terhadap Kadar Fenolik Total Ekstrak Etanolik daun Kersen (*Muntingia calabura*), *Jurnal Ilmu Farmasi & Farmasi Klinik*, 13(2), 2. <http://dx.doi.org/10.31942/jiffk.v13i2.1695>
- Putra, A., Prastiawan, A. D., & Prihanto, D. (2020). Menggali Potensi dan Masalah Pengembangan Gaharu (*Aquilaria Spp*) di Desa Putat Lor. *Jurnal Karinov*, 3(2), 121-124.
- Rahmayani, U, Pringgenis, Djunaedi, A. (2013). Uji Aktivitas Antioksidan Ekstrak Kasar Keong Bakau (*Telescopium telescopium*) dengan Pelarut yang Berbeda terhadap Metode DPPH (Diphenyl Picril Hidrazil). *Journal of Marine Research*, 2(4): 38-39. <http://ejournal-s1.undip.ac.id/index.php/jmr>
- Rahmi, M., & Putri, D. H. (2020). Aktivitas Antimikroba DMSO sebagai Pelarut Ekstrak Alami. *Serambi Biologi*, 5(2), 56-58. <http://dx.doi.org/10.24036/5909RF00>
- Ramani, S., Pathak, A., Dalal, V., Paul, A., & Biswas, S. (2020). Oxidative Stress in Autoimmune Diseases: An Under Dealt Malice. *Current protein & peptide science*, 21(6), 611–621. <https://doi.org/10.2174/1389203721666200214111816>
- Riliant, R. (2018). Penghambatan Siklus Sel Kanker Payudara T47D oleh Fraksi Aktif Ekstrak Kloroform Campuran Daun Penghasil Gaharu *Gyrinops versteegii* (Gilg.) Domke dan *Aquilaria malaccensis* (Lamk.). [Skripsi]. Yogyakarta: Universitas Gadjah Mada.
- Rosenthal, E. T., Evans, B., Kidd, J., Brown, K., Gorringe, H., van Orman, M., & Manley, S. (2017). Increased Identification of Candidates for High-Risk Breast Cancer Screening Through Expanded Genetic Testing. *Journal of the American College of Radiology*, 14(4), 561–568. <https://doi.org/10.1016/j.jacr.2016.10.003>
- Sadeer, B. N., Montesano, D., Albrizio, S., Zengin, G., & Mahomoodally, M. F. (2020). The Versatility of Antioxidant Assays in Food Science and Safety-Chemistry, Applications, Strengths, and Limitations. *Antioxidants (Basel, Switzerland)*, 9(8), 7-9. <https://doi.org/10.3390/antiox9080709>
- Sani, R. N., Nisa, F. C., andriani, R. D., & Maligan J. M. (2014). Analisis Rendemen dan Skrining Fitokimia Ekstrak Mikroalga Laut *Tetraselmis chuii*. *Jurnal Pangan dan Agroindustri*, 2(2), 121-126.
- Saputra, S. H. 2020. *Mikroemulsi Ekstrak Bawang Tiwai Sebagai Pembawa Zat Warna, Antioksidan Dan Antimikroba Pangan*. Yogyakarta: Deepublish.
- Sari, R. K., Wahyuningrum, M., Rafi, M., & Wientarsih, I. 2020. Effect of Ethanol Polarity on Extraction Yield, Antioxidant, and Sunscreen Activities of Phytochemicals from *Gyrinops versteegii* leaves. *IOP Conf. Ser.*, 935, 1-5. <https://doi.org/10.1088/1757-899X/935/1/012038>
- Sayin, V. I., Ibrahim, M. X., Larsson, E., Nilsson, J. A., Lindahl, P., & Bergo, M. O. (2014). Antioxidants accelerate lung cancer progression in mice. *Science translational medicine*, 6(221), 221ra15. <https://doi.org/10.1126/scitranslmed.3007653>
- Senduk, T. W., Montolalu, E. A. D. Y, Dotulong, V. (2020). Rendemen Ekstrak Air Rebusan Daun Tua Mangrove *Sonneratia Alba*. *Jurnal Perikanan dan Kelautan Tropis*, 11 (1): 11. <https://ejournal.unsrat.ac.id/index.php/JPKT/index>

- Siddiqui, I. A., Sanna, V., Ahmad, N., Sechi, M., & Mukhtar, H. (2015). Resveratrol Nanoformulation for Cancer Prevention and Therapy. *Annals of The New York Academy of Sciences*, 1348(1), 1-12. <https://doi.org/10.1111/nyas.12811>
- Simorangkir, M., Nainggola, B., & Silaban, S. (2019). Potensi Antibakteri Ekstrak N-Hexana, Etil Asetat, Etanolik daun Sarang Banua (*Clerodendrum fragrans* VENT WILLD) terhadap *Salmonella Enterica*, *Jurnal Biosains*, 5(2), 94. <https://doi.org/10.24114/jbio.v5i2.13157>
- Sjafaraean, Johannes, E, Wulandari, S. N. (2019). Pengaruh Interval Dosis 2,44-19,53 mg/mL Ekstrak N-Heksana Dari Hydroid *Aglaopheniapressina Lamoureux* Terhadap Aktivitas Pertumbuhan Sel HeLa. *Bioma: Jurnal Biologi Makassar*, 4(1): 14. <https://doi.org/10.20956/bioma.v4i1.6039>
- Sreelatha, S. and Padma, P.R. (2009). Antioxidant Activity and Total Phenolic Content of Moringa oleifera Leaves in Two Stages of Maturity. *Plant Foods for Human Nutrition*, 64, 307.
- Suhardiman, A., Hikmiah, & Budiana, W. (2020) Aktivitas Fraksi Daun Gaharu (*Aquilaria malaccensis* Lam) sebagai Antijerawat dan Uji Bioautografi. *Jurnal Sains dan Teknologi Farmasi Indonesia*, 9(1), 1-16.
- Sumarna, Y. (2012). Budidaya Jenis Pohon Penghasil Gaharu. Badan Penelitian dan Pengembangan Kehutanan Pusat Litbang Produktifitas Hutan Bogor.
- Supomo, Hayatus, S. S. F., Syamsul, E. S., Kintoko, S. F., Witasari, H. A., & Noorcahyati. (2021). *Khasiat Tumbuhan Akar Kuning Berbasis Bukti*. Makassar: Nas Media Pustaka.
- Sunarti. (2021). Antioksidan dalam Penanganan Sindrom Metabolik. Yogyakarta: UGM Press.
- Suryanto, E., Rachmawati, N., & Naemah, D. (2018). Prediksi Umur Berdasarkan Pengukuran Pertumbuhan Ulat Daun Gaharu (*Heortia vitessoides*) untuk Menentukan Tindakan Pengendaliannya. *Jurnal Sylva Scientiae*, 1(1): 40-48.
- Sutejo, A. M., Priyatmojo, A., & Wibowo, A. (2008). Identifikasi Morfologi Beberapa Spesies Jamur *Fusarium*. *Jurnal Perlindungan Tanaman Indonesia*, 14(1), 9-12.
- Sutipornpalangkul, W., Morales, N. P., & Harnroongroj, T. (2009). Free radicals in primary knee osteoarthritis. *Journal of the Medical Association of Thailand = Chotmaihet thangphaet*, 92 Suppl 6, S268–S274.
- Tambun, R., Limbong, H. P., Pinem, C., & Manurung, E. (2016). Pengaruh Ukuran Partikel, Waktu, dan Suhu pada Ekstraksi Fenol dari Lengkuas Merah. *Jurnal Teknik Kimia*, 5(4), 54-55.
- Tania, P. O. A. (2018). Free Radical, Oxidative Stress And Its Roles On Inflammatory Response. *Berkala Kedokteran*, 14(2). 179-188. <http://dx.doi.org/10.20527/jbk.v14i2.5332>
- Taqiyudin, M. P. (2022). Aktivitas Antioksidan Ekstrak Daun, Batang, dan Kulit Kayu Gaharu (*Aquilaria crassna* Pierre ex Lecomte). [Skripsi]. Yogyakarta: Universitas Gadjah Mada.
- Traber, M. G., & Stevens, J. F. (2011). Vitamins C and E: beneficial effects from a mechanistic perspective. *Free radical biology & medicine*, 51(5), 1000–1013. <https://doi.org/10.1016/j.freeradbiomed.2011.05.017>

- Tussanti, I., Johan, A., & Kisdjamiatun, R. A. (2014). Sitotoksisitas in vitro ekstrak etanolik buah parijoto (*Medinilla speciosa*, reinw.ex bl.) terhadap sel kanker payudara T47D. *Jurnal Gizi Indonesia*, 2(2), 53–58. <https://doi.org/10.14710/jgi.2.2.53-58>
- Wahyuni, R., Prihantini, A. I., Anggadhanika, L. (2020). Pembentukan Gaharu *Gyrinopsi versteegii* oleh Bioinduksi *Fusarium solani* dengan Teknik Simpori. *Jurnal Ilmu Pertanian Indonesia*, 25(1), 155-158. <https://doi.org/10.18343/jipi.25.1.152>
- Wahyuni, D. T., & Widjanarko, S. B. (2015). Pengaruh Jenis Pelarut Dan Lama Ekstraksi Terhadap Ekstrak Karotenoid Labu Kuning Dengan Metode Gelombang Ultrasonik. *Jurnal Pangan Dan Agroindustri*, 3(2), 396.
- Wangiyana, I. G. A. S. (2020). Medicinal Effect Review Of Agarwood Leaves From *Aquilaria* And *Gyrinops* Genera. *Jurnal Silva Samalas*, 3(1), 36.
- Wardana, T. A. P., Nuringtyas, T. R., Wijayanti, N., & Hidayati, L. (2019). Phytochemical analysis of agarwood (*Gyrinops versteegii* (Gilg.) Domke). *IAP Conference Proceedings*, 020136-1-020136-8. <https://doi.org/10.1063/1.5139868>
- Wardati, F., Holil, K., & Syarifah, U. (2018). Cytotoxicity Test on Breast Cancer Cell Lines T-47D treated with Pisang Kepok Peel Extract (*Musa balbisiana*). *Bioinformatics and Biomedical Research Journal*, (1)3, 84-88. <http://dx.doi.org/10.11594/bbrj.01.03.03>
- Warganegara, E., & Nur, N. N. (2016). Faktor Resiko Perilaku Penyakit Tidak Menular, *Majority*, 5(2), 88-94.
- Widayat, T., Hidayati, L. & Wijayanti, N. & Nuringtyas, T. (2021). Metabolite Profiles of Agarwood *Gyrinops versteegii* (Gilg) Domke Leaves collected from Different Locations. *Research Journal of Biotechnology*, 16, 12-19.
- Widyaningsih, T. D., Wijyantim N., & Nugrahini N. I. P. (2017). Pangan Fungsional. Malang: Universitas Brawijaya Press.
- Wu, S., & Shah, D. K. (2020). Determination of ADC Cytotoxicity in Immortalized Human Cell Lines. *Methods in molecular biology (Clifton, N.J.)*, 2078, 329–340. [https://doi.org/10.1007/978-1-4939-9929-3\\_23](https://doi.org/10.1007/978-1-4939-9929-3_23)
- Yadav, A., Mandal, M. K., & Dubey, K. K. (2020). In Vitro Cytotoxicity Study of Cyclophosphamide, Etoposide and Paclitaxel on Monocyte Macrophage Cell Line Raw 264.7. *Indian journal of microbiology*, 60(4), 511–517. <https://doi.org/10.1007/s12088-020-00896-1>
- Yu, S., Kim, T., Yoo, K. H., & Kang, K. (2007). The T47D cell line is an ideal experimental model to elucidate the progesterone-specific effects of a luminal A subtype of breast cancer. *Biochemical and biophysical research communications*, 486(3), 752–758. <https://doi.org/10.1016/j.bbrc.2017.03.114>
- Yudistira, A. 2017. Uji Aktivitas Anti Kanker Payudara Ekstrak Daun Sesewanua (*Clerodendron Squamatum* Vahl.) Terhadap Sel Kanker Payudara T47D. *Pharmacon, Jurnal Ilmiah Farmasi*, 6(2), 45-51.
- Zafrial, R. M. & Amalia, R. 2018. Artikel Tinjauan: Anti Kanker dari Tanaman Herbal. *Farmaka*, 16(1), 15-23. <https://doi.org/10.24198/jf.v16i1.17332>
- Zhang, Q. W., Lin, L. G., & Ye, W. C. (2018). Techniques for extraction and isolation of natural products: a comprehensive review. *Chinese medicine*, 13, 26. <https://doi.org/10.1186/s13020-018-0177-x>