

DAFTAR PUSTAKA

- Abonyi, O., Achimugu, L., & Adibe, M. I. (2014). Innovations in Science and Technology Education: A case for ethnoscience based science classrooms. *International Journal of Scientific & Engineering Research*, Volume 5, Nomor 1, (hal. 52–56).
- Adnyana, P. E. S. (2019). Lontar Taru Pramana: Pelestarian Budaya Pengobatan Tradisional Bali. *Jurnal Yoga dan Kesehatan*, Volume 2, Nomer 2, (hal. 85–91).
- Ajayi, O. V., Achor, E. E., & Agogo, P. O. (2017). Use of Ethnochemistry Teaching Approach and Achievement and Retention of Senior Secondary Students in Standard Mixture Separation Techniques. *Icsber Journal*, Volume 3, Nomor 1, (hal. 21–30).
- Al-Snafi, A. E. (2017). Pharmacology of Ficus Religiosa- A Review. *IOSR Journal of Pharmacy*, Volume 7, Nomor 3, (hal. 49–60).
- Al-Snafi, A. E. (2018). Constituents and Pharmacological Effects of Foeniculum Vulgare - A Review. *IOSR Journal of Pharmacy*, Volume 8, Nomer 5, (hal. 81–108).
- Alok, A., Singh, I. D., Singh, S., Kishore, M., & Jha, P. C. (2015). Curcumin – Pharmacological Actions and its Role in Oral Submucous Fibrosis: A Review. *Journal of Clinical and Diagnostic Research*, Volume 9, Nomor 10, (hal. 1–3).
- Amini, A., Cheraghi, E., Safaei, M. R., & Hill, M. (2003). The Role of Eugenol in the Reduction of Teratogenic Effects of Retinoic Acid on Skeletal Morphology of Mice Embryo. *Yakhteh Med*, Volume 4, Nomor 16, (hal. 195–200).
- Andriati, & Wahjudi, R. M. T. (2016). Tingkat Penerimaan Penggunaan Jamu Sebagai Alternatif Penggunaan Obat Modern Pada Masyarakat Ekonomi Rendah-Menengah dan Atas. *Jurnal Masyarakat, Kebudayaan dan Politik*, Volume 29, Nomor 3, (hal. 133–145).
- Anggitasari, W. (2018). Uji Efek Analgetik Minyak Daun Cengkeh (*Syzygium aromaticum*) Terhadap Mencit Jantan Galur Balb/C. *Jurnal Kesehatan*, Volume 6, Nomor 2, (hal. 16–20).
- Arsana, I. N. (2019). Keragaman Tanaman Obat Dalam Lontar “Taru Pramana” dan Pemanfaatannya Untuk Pengobatan Tradisional Bali. *Jurnal Kajian Bali*, Volume 9, Nomor 1, (hal. 241–262).

- Audina, M., Yuliet, & Khaerati, K. (2018). Efektivitas Antiinflamasi Ekstrak Etanol Daun Sumambu (*Hyptis capitata* Jacq.) Pada Tikus Putih Jantan (*Rattus norvegicus* L.) yang Diinduksi Dengan Karagenan. *Biocebeles*, Volume 12, Nomor 2, (hal.17–23).
- Azizah, N., & Premono, S. (2021). Identifikasi Potensi Budaya Lokal Berbasis Etnokimia Di Kabupaten Bantul. *Journal of Tropical Chemistry Research and Education*, Volume 3, Nomor 1, (hal. 53–64).
- Babu, S. S., Madhuri, D. B., & Ali, S. L. (2016). A Pharmacological Review of Urena Lobata Plant. *Asian Journal of Pharmaceutical and Clinical Research*, Volume 9, Nomor 2, (hal. 20–22).
- Baliga, M. S., Bhat, H. P., Joseph, N., & Fazal, F. (2011). Phytochemistry and Medicinal Uses of the Bael Fruit (*Aegle marmelos* Correa): A Concise Review. *Food Research International*, Volume 44, Nomor 7, (hal. 1768–1775).
- Bermawie, N. (2020). Potensi Tanaman Rempah, Obat dan Atsiri Menghadapi Masa Pandemi. Bogor: Balai Penelitian Tanaman Rempah dan Obat.
- Bhar, K., Mondal, S., & Suresh, P. (2019). An Eye-Catching Review of *Aegle marmelos* L. (Golden Apple). *Pharmacognosy Journal*, Volume 11, Nomor 2, (hal. 207–224).
- Bihani, T. (2021). *Plumeria rubra* L.: A Review on its Ethnopharmacological, Morphological, Phytochemical, Parmacological and Toxicological Studies. *Journal of Ethnopharmacology*, Volume 264, (hal. 1–23).
- BPOM RI. (2005). Peraturan Kepala Badan Pengawas Obat dan Makanan Republik Indonesia Nomor : HK.00.05.41.1384 Tentang Kriteria dan Tata Laksana Pendaftaran Obat Tradisional, Obat Herbal Terstandar dan Fitofarmaka. Jakarta.
- BPOM RI. (2019). Peraturan Badan Pengawas Obat dan Makanan Nomor 32 Tahun 2019 Tentang Persyaratan Keamanan dan Mutu Obat Tradisional. Jakarta.
- Brazão, M. A. B., Brazão, F. V., Maia, J. G. S., & Monteiro, M. C. (2014). Antibacterial Activity of the *Piper Aduncum* Oil and Dillapiole, its Main Constituent, Against Multidrug-Resistant Strain. *Blacpma*, Volume 13, Nomor 6, (hal. 517–526).
- Chan, E. W. C., Tan, L. N., & Wong, S. K. (2014). Phytochemistry and Pharmacology of *Lagerstroemia Speciosa*: A Natural Remedy for Diabetes. *International Journal of Herbal Medicine*, Volume 2, Nomor 1, (hal. 81–87).

- Chandrasekar, S., Bhanumathy, M., Pawar, A., & Somasundaram, T. (2010). Phytopharmacology of Ficus Religiosa. *Pharmacognosy Reviews*, Volume 4, Nomor 8, (hal. 195–199).
- Chang, R. (2005). Kimia Dasar Konsep-Konsep Inti Edisi Ketiga jilid 2. Jakarta: Airlangga.
- Chavan, M. J., Shinde, D. B., & Nirmal, S. A. (2006). Major Volatile Constituents of Annona squamosa L. bark. *Natural Product Research*, Volume 20, Nomor 8, (hal. 754–757).
- Chavan, M. J., Wakte, P. S., & Shinde, D. B. (2010). Analgesic and Anti-inflammatory Activity of CaryophylleneOxide from Annona squamosa L. Bark. *Phytomedicine*, Volume 17, Nomor 2, (hal. 149–151).
- Chen, J., Yu, Y., Li, S., & Ding, W. (2016). Resveratrol and Coumarin: Novel Agricultural Antibacterial Agent against Ralstonia solanacearum In Vitro and In Vivo. *Molecules*, Volume 21, Nomor 11, (hal. 1–18).
- Chowdhury, R., Rashid, R. B., Sohrab, M. H., & Hasan, C. M. (2003). 12 α -Hydroxystigmast-4-en-3-one: A New Bioactive Steroid from Toona ciliata (Meliaceae). *Pharmazie*, Volume 58, Nomor 4, (hal. 272–273).
- Chudiwal, A. K., Jain, D. P., & Soman, R. S. (2010). Alpinia galanga Willd: An Overview on Phyto-Pharmacological Properties. *Indian Journal of Natural Products and Resources*, Volume 1, Nomor 2, (hal. 143–149).
- Creswell, J. W. (2009). Research design : Qualitative, Quantitative, and Mixed Methods Approaches (3rd Ed.). California: SAGE Publications.
- Cristina, N. P. Y. (2021). Etnokimia Masyarakat Bali Tentang Tanaman Obat Diabetes Mellitus Menurut Usada Taru Pramana. Skripsi: Universitas Pendidikan Ganesha.
- Damanhour, Z. A., & Ahmad, A. (2014). A Review on Therapeutic Potential of Piper nigrum L. (Black Pepper): The King of Spices. *Medicinal & Aromatic Plants*, Volume 3, Nomor 3, (hal. 1–6).
- Derry, S., Matthews, P., Wifén, P., & Moore, R. (2014). Salicylate-Containing Rubefacients for Acute and Chronic Musculoskeletal Pain in Adults. *Cochrane Database of Systematic Reviews*, Volume 11, (hal. 1–39).
- Dewantari, R., Lintang, M., & Nurmiyati. (2018). Jenis Tumbuhan yang Digunakan sebagai Obat Tradisional Di Daerah Eks-Karesidenan Surakarta. *Jurnal Pendidikan Biologi*, Volume 11, Nomor 2, (hal. 118–123).

- Diastuti, H., Syahb, Y. M., Juliawaty, L. D., & Singgih, M. (2016). Aktivitas Antibakteri Seskuiterpen Germakron dari Rimpang Curcuma xanthorrhiza. *Jurnal Penelitian Kimia*, Volume 12, Nomor 2, (hal. 103–111).
- Ding, Z., Dai, Y., Hao, H., Pan, R., Yao, X., Wang, Z., Ding, Z., Dai, Y., Hao, H., Pan, R., Yao, X., & Wang, Z. (2008). Anti-Inflammatory Effects of Scopoletin and Underlying Mechanisms Anti-Inflammatory Effects of Scopoletin. *Pharmaceutical Biology*, Volume 46, Nomor 12, (hal. 854–860).
- Ekaprasada, M. T., Nurdin, H., Ibrahim, S., & Dachriyanus. (2009a). Chemical Composition and Antibacterial Activity of The Essential Oil of the *Toona sureni* (Blume) Merr. *Jurnal Riset Kimia*, Volume 3, Nomor 1 (hal. 90–95).
- Ekaprasada, M. T., Nurdin, H., Ibrahim, S., & Dachriyanus. (2009b). Antioxidant Activity of Methyl Gallate Isolated from the Leaves of *Toona sureni*. *Indonesian Journal of Chemistry*, Volume 9, Nomor 3, (hal. 457–460).
- El-Rafie, H. M., & Sleem, A. A. (2016). Phytochemical studies of *Ficus Binnendijkii* leaf extracts: Fractionation and bioactivities of its petroleum ether extract. *International Journal of Pharmacognosy and Phytochemical Research*, Volume 8, Nomor 10, (hal. 1742–1750).
- Endarini, L. H. (2016). Farmakognisi dan Fitokimia. Jakarta: Pusdik SDM Kesehatan.
- Ganapaty, S., & Rajarajeshwari, N. (2009). Antimicrobial Activity of Five Rare Species of *Diospyros* and Their Isolates. *Pharmacologyonline*, Volume 3, Nomor 1, (hal. 40–48).
- Ganeshpurkar, A., & Saluja, A. K. (2017). The Pharmacological Potential of Rutin. *Saudi Pharmaceutical Journal*, Volume 25, Nomor 2, (hal. 149–164).
- Govindasamy, C., & Arulpriya, M. (2013). Antimicrobial Activity of *Acanthus ilicifolius*: Skin Infection Pathogens. *Asian Pacific Journal of Tropical Disease*, Volume 3, Nomor 3, (hal. 180–183).
- Gulecha, V., Sivakumar, T., Upaganlawar, A., Mahajan, M., & Upasani, C. (2011). Screening of *Ficus Religiosa* Leaves Fractions for Analgesic and Anti-inflammatory Activities. *Indian Journal of Pharmacology*, Volume 43, Nomor 6, (hal. 662–666).
- Gupta, A., Agrawal, V. K., & Rao, C. V. (2017). Exploration of Analgesic and Antiinflammatory Potential of *Lagerstroemia Speciosa*. *Journal of Applied Pharmaceutical Science*, Volume 7, Nomor 2, (hal. 156–161).

- Hakim, L. (2014). Etnobotani dan Manajemen Kebun-Pekarangan Rumah: Etnobotani dan Manajemen Kebun-Pekarangan Rumah: Ketahanan Pangan, Kesehatan dan Agrowisata. Malang: Penerbit Selaras.
- Hartayu, T. S., & Widiasih, K. A. (2012). Pemahaman Masyarakat Desa Pererenan, Kecamatan Mengwi, Kabupaten Badung, Bali Tentang Boreh-Anget. *Jurnal Farmasi Sains Dan Komunitas*, Volume 9, Nomor 2, (hal. 71–74).
- Hermawan, I. (2017). Pengaruh Penggunaan Multimedia Presentasi Terhadap Peningkatan Kemampuan Mengklasifikasikan Tumbuhan Sebagai Obat Tradisional. *Jurnal Teknologi Pendidikan dan Pembelajaran*, Volume 2, Nomor 1, (hal. 27–38).
- Hesturini, R. J., Herowati, R., & Widodo, G. P. (2017). Uji Aktivitas Analgetika Fraksi-Fraksi Ekstrak Etanol Daun Gandarusa (*Justicia gendarussa* Burm. f) dengan Metode Tail Flick. *Jurnal Farmasi Indonesia*, Volume 15, Nomor 1, (hal. 13–17).
- 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*, Volume 1, Nomor 2, (hal. 1–9).
- Hidayat, S., & Napitupulu, R. M. (2015). Kitab Tumbuhan Obat. Jakarta: AgriFlo (Penebar Swadaya Grup).
- Hong, S. L., Lee, G. S., Syed Abdul Rahman, S. N., Ahmed Hamdi, O. A., Awang, K., Aznam Nugroho, N., & Abd Malek, S. N. (2014). Essential Oil Content of the Rhizome of *Curcuma purpurascens* Bl. (Temu Tis) and Its Antiproliferative Effect on Selected Human Carcinoma Cell Lines. *Scientific World Journal*, Volume 2014, Nomor 3, (hal. 1–7).
- Hu, J., Song, Y., Mao, X., Wang, Z. J., & Zhao, Q. J. (2016). Limonoids isolated from *Toona sinensis* and their radical scavenging, anti-inflammatory and cytotoxic activities. *Journal of Functional Foods*, Volume 20, (hal. 1–9).
- Inoue, Y., Hada, T., Shiraishi, A., Hirose, K., Hamashima, H., & Kobayashi, S. (2005). Biphasic effects of geranylgeraniol, teprone, and phytol on the growth of *Staphylococcus aureus*. *Journal of Antimicrobial Agents and Chemotherapy*, Volume 49, Nomor 5, (hal. 1770–1774).
- Irawanto, R., Ariyanti, E. E., & Hendrian, R. (2015). Jeruju (*Acanthus ilicifolius*): Biji, Perkecambahan dan Potensinya. *Pros Sem Nas Masy Biodiv Indon*, Volume 1, Nomor 5, (hal. 1011–1018).
- Islam, M., & Uddin, M. A. (2017). A Revision on *Urena lobata* L. *International Journal of Medicine*, Volume 5, Nomor 1, (hal. 126–131).

- Jalil, M., Purwantoro, A., Daryono, B. S., & Purnomo. (2020). Distribution, Variation, and Relationship of Curcuma Soloensis Valeton in Java, Indonesia Based on Morphological Characters. *Biodiversitas*, Volume 21, Nomor 8, (hal. 3867–3877).
- Jasril. (2009). Bahan Alam Organik Sebagai Sumber Obat Modern. Pidato Pengukuhan Guru Besar Bidang Kimia Organik. Pekan Baru: Fakultas Matematika dan Ilmu Pengetahuan Alam, Universitas Riau, (hal. 3–41).
- Joshi, D. R., Shrestha, A. C., & Adhikari, N. (2018). A Review on Diversified Use of the King of Spices: Piper Nigrum (Black Pepper). *International Journal of Pharmaceutical Sciences and Research*, Volume 9, Nomor 10, (hal. 4089–4101).
- Juliantina, F., Citra, D. A., & Nirwani, B. (2009). Manfaat Sirih Merah (Piper crocatum) Sebagai Agen Anti Bakterial Terhadap Bakteri Gram Positif dan Gram Negatif. *Jurnal Kedokteran dan Kesehatan Indonesia*, Volume 1, Nomor 1, (hal. 12–20).
- Kalidindi, N., Thimmaiah, N. V., Jagadeesh, N. V., Nandeep, R., Swetha, S., & Kalidindi, B. (2015). Antifungal and Antioxidant Activities of Organic and Aqueous Extracts of Annona squamosa Linn. Leaves. *Journal of Food and Drug Analysis*, Volume 23, Nomor 4, (hal. 795–802).
- Kaushik, V., Saini, V., Pandurangan, A., Lal Khosa, R., & Parcha, V. (2013). A Review of Phytochemical and Biological Studies of Diospyros malabarica. *International Journal of Pharmaceutical Sciences Letters*, Volume 2, Nomor 6, (hal. 167–169).
- Kepakisan, I. N. P. W., Janottama, I. P. A., & Indira, W. (2020). Buku Saku Untuk Media Sosialisasi Boreh Sebagai Obat Tradisional Bali oleh Fakultas Kesehatan Ayurveda Universitas Hindu Indonesia di Denpasar. *AMARASI: Jurnal Desain dan Komunikasi*, Volume 1, Nomor 1, (hal. 37–45).
- Kotaka, T., Kimura, S., Kashiwayanagi, M., & Iwamoto, J. (2014). Camphor Induces Cold and Warm Sensations with Increases in Skin and Muscle Blood Flow in Human. *Biological and Pharmaceutical Bulletin*, Volume 37, Nomor 12, (hal. 1913–1918).
- Krishnan, K., Mathew, L. E., Vijayalakshmi, N. R., & Helen, A. (2014). Anti-inflammatory potential of β -amyrin, a triterpenoid isolated from Costus igneus. *Inflammopharmacology*, Volume 22, Nomor 6, (hal. 373–385).
- Kriswiyanti, E., Darsini, N. N., Hardini, J., & Ariwathi, N. P. (2021). Keanekaragaman Jenis Tumbuhan Bahan Ramuan “Boreh Basanbuat” Untuk Memperlancar Produksi Air Susu Ibu (ASI) di Bali. *Metamorfosa: Journal of Biological Sciences*, Volume 8, Nomor 2, (hal. 304).

- Kriswiyanti, E., Junitha, I. K., Kentjonowati, E. S., Darsini, N., & Setyawati, I. (2011). Inventarisasi Bahan Obat Tradisional Di Kecamatan Kintamani, Kabupaten Bangli, Bali. Seminar Nasional HUT Kebun Raya Cibodas Ke-159, (hal. 108–112).
- Ku, W. Chi, Chang, Y. Ling, Wu, S. Fa, Shih, H. Nung, Tzeng, Y. Min, Kuo, H. Ru, Chang, K. Ming, Agrawal, D. C., Liu, B. Lan, Chang, C. An, Huang, S., & Lee, M. Jen. (2017). A comparative proteomic study of secretomes in kaempferitrin-treated CTX TNA2 astrocytic cells. *Phytomedicine*, Volume 36, (hal. 137–144).
- Kuigoua, G. M., Kouam, S. F., Ngadjui, B. T., Schulz, B., Green, I. R., Choudhary, M. I., & Krohn, K. (2010). Minor Secondary Metabolic Products from the Stem Bark of Plumeria rubra Linn. Displaying Antimicrobial Activities. *Planta Medica*, Volume 76, Nomor 6, (hal. 620–625).
- Kurniawan, C., Siagian, J. W., & Hutomo, S. (2016). Totoksisitas Ekstrak Etanolik Curcuma longa Pada Sel Hela, Studi in Vitro. *Berkala Ilmiah Kedokteran Duta Wacana*, Volume 1, Nomor 3, (hal. 165–172).
- Kusuma, A. S. W. (2015). The Effect of Ethanol Extract of Soursop Leaves (*Annona muricata L.*) to Decreased Levels of Malondialdehyde. *Jurnal Majority*, Volume 4, Nomor 3, (hal. 14–18).
- Kusumaningrum, H. P., Zainuri, M., Endrawati, H., Loka, B. D., Widiasa, I. N., & Sulistyowati, E. (2021). Chemical Compounds in Essential Oil of Nutmeg Leaves (*Myristica fragrans*) From Batang Indonesia. *Journal of Physics: Conference Series*, Volume 1943, Nomor 1, (hal. 1–9).
- Lanting, M. V., & Palaypayon, C. M. (2002). Forest Tree Species with Medicinal Uses. Volume 11, (hal. 1–24).
- Lee, I., Kim, E., & Kim, D. (2012). Inhibitory Effect of β -Sitosterol on TNBS-Induced Colitis in Mice. *Planta Medica*, Volume 78, Nomor 9, (hal. 896–898).
- Leitão, S. G., dos Santos, T. C., Monache, F. D., Matheus, M. E., Fernandes, P. D., & Marinho, B. G. (2011). Phytochemical Profile and Analgesic Evaluation of *Vitex cymosa* Leaf Extracts. *Revista Brasileira de Farmacognosia*, Volume 21, Nomor 5, (hal. 874–883).
- Lestari, K. A. (2020). Pengembangan Booklet Karakteristik Morfologi Tumbuhan Family Zingiberaceae Sebagai Sumber Belajar. Skripsi: Institut Agama Islam Negeri Tulungagung.
- Li, X. J., Yang, Y. J., Li, Y. S., Zhang, W. K., & Tang, H. Bin. (2016). α -Pinene, Linalool, and 1-Octanol Contribute to the Topical Anti-inflammatory and

- Analgesic Activities of Frankincense by Inhibiting COX-2. *Journal of Ethnopharmacology*, Volume 179, (hal. 22–26).
- Liang, Y. C., Huang, Y.-T., Tsai, S. H., Lin-Shiau, S. Y., Chen, C.-F., & Lin, J. K. (1999). Suppression of Inducible Cyclooxygenase and Nitric Oxide Synthase Through Activation of Peroxisome Proliferator-Activated receptor- γ by flavonoids in Mouse Macrophages. *Carcinogenesis*, Volume 20, Nomor 10, (hal. 1945–1952).
- Mahfudhoh, Fi. M. (2018). Keragaman Genetik Aksesi Jeruk Keprok (*Citrus reticulata* L.) Berdasarkan Penanda Morfologi Daun dan Molekuler Inter Simple Sequence Repeats (ISSR). Skripsi: Universitas Islam Negeri Maulana Malik Ibrahim.
- Mahleyuddin, N. N., Moshawih, S., Ming, L. C., Zulkifly, H. H., Kifli, N., Loy, M. J., Sarker, M. M. R., Al-Worafi, Y. M., Goh, B. H., Thuraisingam, S., & Goh, H. P. (2022). *Coriandrum sativum* L.: A Review on Ethnopharmacology, Phytochemistry, and Cardiovascular Benefit. *Molecules*, Volume 27, Nomor 1, (hal. 209–228).
- Mahmudah, E. A. (2021). Literature Review: Kemampuan Rimpang Lempuyang Wangi (*Zingiber aromaticum*) Dalam Menghambat Pertumbuhan Bakteri. Skripsi: Universitas Muhammadiyah Surakarta.
- Malik, A., Najda, A., Bains, A., Nurzyńska-Wierdak, R., & Chawla, P. (2021). Characterization of citrus nobilis peel methanolic extract for antioxidant, antimicrobial, and anti-inflammatory activity. *Molecules*, Volume 26, Nomor 14, (hal. 1–12).
- Mandal, S., & Mandal, M. (2015). Coriander (*Coriandrum sativum* L.) Essential Oil: Chemistry and Biological Activity. *Asian Pacific Journal of Tropical Biomedicine*, Volume 5, Nomor 6, (hal. 421–428).
- Maridass, M., Ghanthikumar, S., & Raju, G. (2008). Preliminary Phytochemical Analysis of *Diospyros* Species. *Ethnobotanical Leaflets*, Volume 12, Nomor 1, (hal. 868–872).
- Miles, M. B., Huberman, A. M., & Saldana, J. (2018). Qualitative Data Analysis A Methods Sourcebook (4th Ed.). California: SAGE Publications.
- Miles, S. (2007). Methyl Salicylate. Elsevier Inc. All rights reserved.
- Mittal, M., Gupta, N., Parashar, P., Mehra, V., & Khatri, M. (2014). Phytochemical Evaluation and Pharmacological Activity of *Syzygium Aromaticum*: A Comprehensive Review. *International Journal of Pharmacy and Pharmaceutical Sciences*, Volume 6, Nomor 8, (hal. 62–72).

- Mohammed, M. S., Osman, W. J. A., Garelnabi, E. A. E., Osman, Z., Osman, B., Khalid, H. S., & Mohamed, M. A. (2014). Secondary Metabolites as Anti-inflammatory Agents. *The Journal of Phytopharmacology*, Volume 3, Nomor 4, (hal. 275–285).
- Mojab, F., Javidnia, K., Nickavar, B., & Yazdani, D. (2007). GC-MS Analysis of the Essential Oils of Roots and Leaves of *Foeniculum vulgare* Mill. *Journal of Essential Oil-Bearing Plants*, Volume 10, Nomor 1, (hal. 36–40).
- Muharni, Elfita, & Hidayati, S. (2002). Isolasi Triterpenoid dari Akar Tumbuhan Jeruju (*Acanthus ilicifolius* Linn). *Jurnal Penelitian Sains*, Volume 11, (hal. 8–13).
- Mukhriani. (2014). Farmaknosi Analisis. Makasar: Universitas Islam Negeri (IUN) Alauddin.
- Murdiyanto, E. (2020). Metode Penelitian Kualitatif Teori dan Aplikasi disertai Contoh Proposal. Yogyakarta: Lembaga Penelitian dan Pengabdian Masyarakat UPN Veteran Yogyakarta Press.
- Mustaqim, W. A. (2020). *Ficus septica* Burm.f. Moraceae. Springer: Ethnobotany of the Mountain Regions of Southeast Asia.
- Mutiasari, A. S. (2018). Uji Aktivitas Antibakteri Minyak Atsiri Biji Ketumbar (*Coriandrum sativum* L.) dan Nanoemulsinya Terhadap *Staphylococcus epidermidis*. Skripsi: Universitas Jember.
- Naeem, N., Rehman, R., Mushtaq, A., & Ghania, J. Ben. (2019). Nutmeg : A Review on Uses and Biological Properties. *International Journal of Chemical and Biochemical Sciences*, Volume 9, (hal. 107–110).
- Negi, P. S., Jayaprakasha, G. K., Rao, L. J. M., & Sakariah, K. K. (1999). Antibacterial Activity of Turmeric Oil: A byproduct from Curcumin Manufacture. *Journal of Agricultural and Food Chemistry*, Volume 47, Nomor 10, (hal. 4297–4300).
- Nugrahani, F. (2014). Metode Penelitian Kualitatif dalam Penelitian Pendidikan Bahasa. Surakarta: Cakra Books.
- Nugruho, A. (2017). Buku Ajar: Teknologi Bahan Alam. Banjarbaru: Lambung Mangkurat University Press.
- Nurdyansyah, F. (2017). Stres Oksidatif Dan Status Antioksidan. *Jendela Olahraga*, Volume 2, Nomor 1, (hal. 105–109).
- Nwokocha, C. R., Owu, D. U., Gordon, A., Thaxter, K., McCalla, G., Ozolua, R. I., & Young, L. (2012). Possible Mechanisms of Action of the Hypotensive

- Effect of *Annona muricata* (Soursop) in Normotensive Sprague-Dawley Rats. *Pharmaceutical Biology*, Volume 50, Nomor 11, (hal. 1436–1441).
- Osberg, L. (2001). Inequality : Comparative Aspects. International Encyclopedia of the Social & Behavioral Sciences: *Elsevier Science Ltd*, (hal. 7377–7382).
- Otuki, M. F., Ferreira, J., Lima, F. V., Meyre-Silva, C., Malheiros, Â., Muller, L. A., Cani, G. S., Santos, A. R. S., Yunes, R. A., & Calixto, J. B. (2005). Antinociceptive Properties of Mixture of α -Amyrin and β -Amyrin Triterpenes: Evidence for Participation of Protein Kinase C and Protein kinase A Pathways. *Journal of Pharmacology and Experimental Therapeutics*, Volume 313, Nomor 1, (hal. 310–318).
- Panjaitan, F. R. (2019). Analisis Marjin Pemasaran Pohon Suren (Toona sureni Merr) di Sekitar Danau Toba, Kecamatan Pematang Sidamanik. Skripsi: Universitas Sumatera Utara.
- Parwata, I. M. O. A. (2016). Diktat: Obat Tradisional. Jurusan Kimia, Universitas Udayana.
- Paryono, A. K. (2014). Kebiasaan Konsumsi Jamu Untuk Menjaga Kesehatan Tubuh Pada Saat Hamil dan Setelah Melahirkan di Desa Kajoran Klaten Selatan. *Jurnal Terpadu Ilmu Kesehatan*, Volume 3, Nomor 1, (hal. 64–72).
- Patel, J. D., & Kumar, V. (2008). *Annona squamosa* L.: Phytochemical Analysis and Antimicrobial Screening. *Journal of Pharmacy Research*, Volume 1, Nomor 1, (hal. 34–38).
- Poornaa, C. A., Maney, S. K., Santhoshkumar, T., & Soniya, E. V. (2011). Phytochemical analysis and in vitro screening for biological activities of *Acanthus ilicifolius*. *Journal of Pharmacy Research*, Volume 4, Nomor 7, (hal. 1977–1981).
- Prakash, R. O., Rabinarayan, A., & Kumar, M. S. (2011). *Zingiber zerumbet* (L.) Sm., a Reservoir Plant for Therapeutic Uses: A Review. *International Journal of Pharma World Research*, Volume 2, Nomor 2, (hal. 1–23).
- Pratama, M. (2017). Identifikasi Atribut Aroma Dan Rasa Rempah Dengan Profiled Test. *Jurnal Agroindustri*, Volume 3, Nomor 2, (hal. 126–132).
- Prianto, H., Retnowati, R., & Juswono, U. P. (2013). Isolasi dan karakterisasi dari minyak bunga cengkeh (*Syzigium aromaticum*) Kering Hasil Distilasi Uap. *Kimia Student Journal*, Volume 1, Nomor 2, (hal. 269–275)
- Pucci, M., Raimondo, S., Zichittella, C., Tinnirello, V., Corleone, V., Aiello, G., Moschetti, M., Conigliaro, A., Fontana, S., & Alessandro, R. (2020). Biological properties of a citral-enriched fraction of citrus limon essential oil. *Foods*, Volume 9, Nomer 9, (hal. 1–16).

- Puspitawati, S. A. (2010). Perbandingan Efek Antifungi Minyak Atsiri Biji Adas (*Foeniculum vulgare* Mill.) Dengan Flukonazol Terhadap Pertumbuhan *Candida albicans* Secara In vitro. Skripsi: Universitas Sebelas Maret.
- Putra, K. W. E., Pitoyo, A., Gilang Dwi Nugroho, Rai, M., & Setyawan, A. D. (2020). Review: Phytochemical Activities of *Ficus* (Moraceae) in Java Island, Indonesia. *International Journal Bonorowo Wetland*, Volume 10, Nomor 2, (hal. 98–125).
- Ragasa, C. Y., Macuha, M. R., Reyes, M. M. D. L., Mandina, E. H., & Altena, I. A. Van. (2016). Chemical Constituents of *Ficus septica* Burm. F. *International Journal of Pharmaceutical and Clinical Research*, Volume 8, Nomor 11, (hal. 1464–1469).
- Rahmah, S. M., Dharmono, D., & Putra, A. P. (2021). Kajian Etnobotani Tumbuhan Bungur (*Lagerstroemia Speciosa*) di Kawasan Hutan Bukit Tamiang Kabupaten Tanah Laut sebagai Buku Ilmiah Populer. *Jurnal Ilmiah Pendidikan Biologi*, Volume 7, Nomor 1, (hal. 1–12).
- Rahman, S., Kosman, R., & Mukrima, I. (2013). Efek Ekstrak Etanol Daun Awar-Awar (*Ficus septica* Burm. F) Terhadap Kemampuan Epitelisasi Pada Tikus (*Rattus norvegicus*). *Bionature*, Volume 14, Nomor 2, (hal. 112–116).
- Rahmawati, Y., Rahman, A., Ridwan, A., Triwana, M., Handayani, T. I., Farhriza, N. N., Sanah, N. U., & Rizqiya, L. D. (2017). Pendekatan Pembelajaran Kimia Berbasis Budaya dan Karakter. Jakarta: LPPM Universitas Negeri Jakarta.
- Rahmawati, Y., & Ridwan, A. (2017). Empowering Students' Chemistry Learning: The Integration of Ethnochemistry in Culturally Responsive Teaching. *Chemistry: Bulgarian Journal of Science Education*, Volume 26, Nomor 6, (hal. 813–830).
- Rajagopal, P. L., Linsha, K. T., Sreejith, K. R., Kumar, P. N. S., Arthi, I., Rahul, K., & Aneeshia, S. (2019). Anti-Arthritic Activity of the Leaves of *Urena lobata* Linn. *International Journal of Research and Review*, Volume 6, Nomor 1, (hal. 86–89).
- Retnowati, E., Mudriyastutik, Y., & Hamid, A. (2020). Uji Efektifitas Sediaan Krim Getah Pohon Kamboja Merah (*Plumeria Rubra*) Terhadap Luka Akibat Sayatan Pada Tikus Jantan Putih Winstar Hiperglikemi. *Indonesia Jurnal Farmasi*, Volume 5, Nomor 2, (hal. 31–35).
- Rezki, R. S., Anggoro, D., & Siswarni, M. (2015). Ekstraksi Multi Tahap Kurkumin dari Kunyit (*Curcuma domestica* Valet) Menggunakan Pelarut Etanol. *Jurnal Teknik Kimia USU*, Volume 4, Nomor 3, (hal. 29–34).

- Rijayanti, R. P. (2014). Uji Aktivitas Antibakteri Ekstrak Etanol Daun Mangga Bacang. Skripsi: Universitas Tanjungpura.
- Rishabha, M., Ajay, K., Anupama, S., & Gt, K. (2012). Pharmacological Screening, Ayurvedic values and Commercial Utility of Aegle Marmelos. *International Journal of Drug Development and Research*, Volume 4, Nomor 1, (hal. 28–37).
- Rosalia, R., Setyaningsih, D., Ahda, A., Aziz, S., Luthfiah, S. L., Dwi, V., Dinita, S. T., Dewi, Y., & Malik, M. O. (2022). Studi Fitokimia Dan Aktivitas Farmakologi Dari Kulit Batang Mesoyi (*Massoia aromatica* Becc.). *Jurnal Ilmiah Farmasi*, Volume 2, Nomor 2, (hal. 10–18).
- Saeed, N. M., El-Demerdash, E., Abdel-Rahman, H. M., Algandaby, M. M., Al-Abbasi, F. A., & Abdel-Naim, A. B. (2012). Anti-inflammatory activity of methyl palmitate and ethyl palmitate in different experimental rat models. *Toxicology and Applied Pharmacology*, Volume 64, Nomor 1, (hal. 84–93).
- Sari, B. L., Rurianti, W., & Simanjuntak, P. (2015). Toksisitas, Aktivitas Antioksidan Dan Antibakteri Ekstrak Air Kulit Kayu Massoi (*Cryptocarpa massoy* (Lauraceae)). *Fitofarmaka*, Volume 4, Nomor 1, (hal. 18–26).
- Sekar, D. K., Kumar, G., Karthik, & Rao, K. V. B. (2011). A Review on Pharmacological and Phytochemical Properties of Aegle marmelos (L.) Corr. Serr. (Rutaceae). *Asian Journal of Plant Science and Research*, Volume 1, Nomor 2, (hal. 8–17).
- Seneme, E. F., Dos Santos, D. C., Silva, E. M. R., Franco, Y. E. M., & Longato, G. B. (2021). Pharmacological and Therapeutic Potential of Myristicin: A Literature Review. *Molecules*, Volume 26, Nomor 19, (hal. 1–15).
- Shieh, Y. H., Huang, H. M., Wang, C. C., Lee, C. C., Fan, C. K., & Lee, Y. L. (2015). Zerumbone enhances the Th1 response and ameliorates ovalbumin-induced Th2 responses and airway inflammation in mice. *International Immunopharmacology*, Volume 24, Nomor 2, (hal. 383–391).
- Shinde, P. R., Patil P. S., & Bairagi, V. A. (2014). Phytopharmacological Review of Plumeria Species. *Scholars Academic Journal of Pharmacy*, Volume 3, Nomor 2, (hal. 217–227).
- Sidabutar, I. F., Barus, T., & Lenny, S. (2021). Isolation of Flavonoid Compounds from Suren Leaves. *Journal of Chemical Natural Resources*, Volume 3, Nomor 1, (hal. 43–52).
- Siddique, H. R., & Saleem, M. (2011). Beneficial Health Effects of Lupeol Triterpene: A Review of Preclinical Studies. *Life Sciences*, Volume 88, Nomor 8, (hal. 285–293).

- Sikarwar, M. S., Chun, L. C., Ting, L. W., Chee, L. C., Fuloria, S., & Balaji, K. (2016). Phytochemical Constituents and Pharmacological Activities of Lagerstroemia Floribunda Jack. (Kedah Bungor): A Review. *Journal of Applied Pharmaceutical Science*, Volume 6, Nomor 8, (hal. 185–190).
- Silalahi, M. (2020). Urena lobata (Pemanfaatan Sebagai Obat Tradisional dan Bioaktivitasnya). *Jurnal Kesehatan Masyarakat*, Volume 6, Nomor 2, (hal. 114–120).
- Singh, D., Singh, B., & Goel, R. K. (2011). Traditional Uses, Phytochemistry and Pharmacology of Ficus Religiosa: A Review. *Journal of Ethnopharmacology*, Volume 134, Nomor 3, (hal. 565–583).
- Solanke, M. S. B., & Tawar, M. G. (2019). Phytochemical Information and Pharmacological Activities of Eggplant (Solanum Melongena L.): A Comprehensive Review. *EAS Journal of Pharmacy and Pharmacology*, Volume 1, Nomor 5, (hal. 106–114).
- Somchit, M. N., Shukriyah, M. H. N., Bustamam, A. A., & Zurraini, A. (2005). Antipyretic and Analgesic Activity of Zingiber zerumbet. *International Journal of Pharmacology*, Volume 1, Nomor 3, (hal. 277–280).
- Souza, M., dos, M., Rosas, E., Gracas, M. das, & Siani, A. (2006). Inhibition of nitric oxide and interferon- β production by iridoids and triterpenes from the roots of Himatanthus succuba. *Pharmacognosy Magazine*, Volume 2, Nomor 8, (hal. 216–219).
- Stanley, W. B., & Brickhouse, N. W. (2001). Teaching Sciences : The Multicultural Question Revisited. *Science Education*, Volume 85, Nomor 1, (hal. 35–49).
- Subramanian, P., & Nishan, M. (2015). Biological Activities of Greater galangal, Alpinia Galanga. *Research & Reviews: Journal of Botanical Sciences*, (hal. 15–19).
- Suchitra, M., & Cherian, B. V. (2018). Vitex trifolia: An Ethnobotanical and Pharmacological Review. *Asian Journal of Pharmaceutical and Clinical Research*, Volume 11, Nomor 4, (hal. 12–14).
- Sudarmin. (2014). Pendidikan Karakter, Etnosains Dan Kearifan Lokal. Semarang: Fakultas Matematika dan Ilmu Pengetahuan Alam Universitas Negeri Semarang.
- Sudaryono. (2016). Metode Penelitian Pendidikan. Jakarta: Kencana.
- Sugiyono. (2009). Metode Penelitian Kuantitatif, Kualitatif, dan R&D. Bandung: Alfabeta.

- Suja, I. W. (2010). Pengembangan Buku Ajar Sains SMP Mengintegrasikan Content dan Context Pedagogi Budaya Bali. *Jurnal Pendidikan dan Pengajaran*, Volume 43, Nomor 1, (hal. 79–88).
- Suja, I. W., & Nurlita, F. (2000). Buku Ajar: Kimia Organik 1. Singaraja: Program Studi Pendidikan Kimia, STKIP Singaraja.
- Suja, I. W., & Sudiana, I. K. (2021). Etnokimia Bumbu Masakan Tradisional Bali: Inventarisasi Bahan dan Eksplorasi Kandungan Kimianya (Laporan Tidak Dipublikasikan). Singaraja: Universitas Pendidikan Ganesha.
- Sukersa, I. W. (2017). Usada Taru Pramana: Sebuah Wahana Pelestarian Flora Bahan Obat Tradisional Bali Dalam Buku Prabhajnana Kajian Pustaka Lontar Universitas Udayana Usada (hal. 1–26). Denpasar: Swasta Nulu.
- Sun, J., Huo, H. X., Zhang, J., Huang, Z., Zheng, J., Zhang, Q., Zhao, Y. F., Li, J., & Tu, P. F. (2015). Phenylpropanoid Amides from the Roots of Solanum melongena L. (Solanaceae). *Biochemical Systematics and Ecology*, Volume 58, (hal. 265–269).
- Supardjo, & Sudarsini. (2011). Warisan intelektual bidang pengobatan tradisional dalam naskah racikan boreh saha parem karya isks pakoebewono IX. *Jumantara*, Volume 2, Nomor 2, (hal. 130–153).
- Supriadi. (2001). Tumbuhan Obat Indonesia: Pengunaan dan Khasiatnya. Jakarta: Pustaka Populer Obor.
- Suratiah, Hartati, N., & Surinati, D. K. (2017). Budaya “Meboreh” Masyarakat Bali Menurunkan Tingkat Nyeri Pada Ibu Pasca Bersalin. *Jurnal Gema Keperawatan*, Volume 10, Nomor 2, (hal. 143–147).
- Suryadarma, I. G. P. (2005). Konsepsi Kosmologi Dalam Pengobatan Usada Taru Pramana. *Journal of Tropical Ethnobiology*, Volume 2, Nomor 1, (hal. 65–87).
- Suryadarma, I. G. P. (2010). Keanekaragaman Tumbuhan Bahan Kebugaran Dalam Naskah Lontar Rukmini Tatwa Masyarakat Bali. *Jurnal Ilmiah Ilmu-Ilmu Hayati*, Volume 15, Nomor 2, (hal. 294–305).
- Sutomo, & Iryadi, R. (2019). Konservasi Tumbuhan Obat Tradisional “Usada Bali.” *Buletin Udayana Mengabdi*, Volume 18, Nomor 4, (hal. 58–63).
- Taguchi, Y., Ishibashi, H., Takizawa, T., Inoue, S., Yamaguchi, H., & Abe, S. (2005). Protection of Oral or Intestinal Candidiasis in Mice by Oral or Intragastric Administration of Herbal Food, Clove (*Syzygium aromaticum*). *Japanese Journal of Medical Mycology*, Volume 46, Nomor 1, (hal. 27–33).

- Teoh, E. S. (2016). Secondary Metabolites of Plants. Medicinal Orchids of Asia: Springer International Publishing Switzerland.
- Tiwari, S., & Talreja, S. (2020). Medicinal and Pharmacological importance of Vitex trifolia : A Review Research Journal of Pharmaceutical, Biological and Chemical Sciences Medicinal and Pharmacological importance of Vitex trifolia : A Review. September – October. *Research Journal of Pharmaceutical, Biological and Chemical Sciences*, Volume 11, Nomor 5, (hal. 8–13).
- Tkachenko, H., Buyun, L., Osadowski, Z., Prokopiv, A., & Honcharenko, V. (2017). Studies on Antibacterial Activity of Ficus Binnendijkii Miq. (Moraceae) Leaf Extract. *Bulletin of the Taras Shevchenko National University of Kyiv*, Volume 1, Nomor 35, (hal. 57–61).
- Towaha, J. (2012). Manfaat Eugenol Cengkeh dalam Berbagai Industri Di Indonesia. *Perspektif*, Volume 11, Nomor 2, (hal. 79–90).
- Tulungen, F. R. (2019). Cengkeh Dan Manfaatnya Bagi Kesehatan Manusia Melalui Pendekatan Competitive Intelligence. *Jurnal Biofarmasetikal Tropis*, Volume 2, Nomor 2, (hal. 158–169).
- Uddin, G., Rauf, A., Siddiqui, B. S., Muhammad, N., Khan, A., & Shah, S. U. A. (2014). Anti-nociceptive, Anti-Inflammatory And Sedative Activities of the Extracts and Chemical Constituents of *Diospyros lotus* L. *Phytomedicine*, Volume 21, Nomor 7, (hal. 954–959).
- Ulfa, S. F. M. (2017). Toksisitas Campuran Ekstrak Buah Sirsak (*Annona muricata* L.) dan Buah Srikaya (*Annona squamosa* L.) Terhadap Mortalitas Larva Nyamuk *Aedes aegypti* L. Serta Pemanfaatannya Sebagai Leaflet. Skripsi: Universitas Jember.
- Utami, H. R. (2019). Analisis Mutu Kimia Jeruk Siam (*Citrus nobilis* Lour.) Selama Penyimpanan Pada Suhu Dingin. Skripsi: Universitas Islam Negeri Sultan Syarif Kasim Riau.
- Utari, R., Andayani, Y., & Savalas, R. T. (2020). Pengembangan Modul Kimia Berbasis Etnosains Dengan Mengangkat Kebiasaan Petani Garam. *Jurnal Pijar MIPA*, Volume 15, Nomor 5, 478–481.
- Wall, C., Lim, R., Poljak, M., & Lappas, M. (2013). Dietary Flavonoids as Therapeutics for Preterm Birth: Luteolin and Kaempferol Suppress Inflammation in Human Gestational Tissues In Vitro. *Oxidative Medicine and Cellular Longevity*, Volume 2013, (hal. 1–10).
- Wang, J., & Zhao, Q. (2019). Kaempferitrin inhibits proliferation, induces apoptosis, and ameliorates inflammation in human rheumatoid arthritis

- fibroblast-like synoviocytes. *Phytotherapy Research*, Volume 33, Nomor 6, (hal. 1726–1735).
- Wang, Z., Zhuo, F., Chu, P., Yang, X., & Zhao, G. (2019). Germacrone alleviates collagen-induced arthritis via regulating Th1/Th2 balance and NF-κB activation. *Biochemical and Biophysical Research Communications*, Volume 518, Nomor 3, (hal. 560–564).
- Wardiyah. (2016). Kimia Organik. Jakarta: Pusdik SDM Kesehatan.
- Widiyastuti, Y., M. Sholikhah, I. Y., & Haryanti, S. (2018). Cytotoxic activities of Methanolic and Chloroform Extract of Cryptocarya Massoy (Oken) Kosterm. Bark on MCF-7 human breast cancer cell line. *Health Science Journal of Indonesia*, Volume 9, Nomor 1, (hal. 57–62).
- Wirinandani, N. M. S. (2021). Etnokimia Masyarakat Bali Tentang Tanaman Obat Jerawat (Acne Vulgaris). Skripsi: Universitas Pendidikan Ganesha.
- Yang, X., & Eilerman, R. G. (1999). Pungent Principal of Alpinia Galangal (L.) Swartz and its Applications. *Journal of Agricultural and Food Chemistry*, Volume 47, Nomor 4, (hal. 1657–1662).
- Yuniarti, T., Nurhayati, T., & Jacoeb, A. M. (2010). Semipurifikasi dan Karakterisasi Kolagenase dari Organ Dalam Ikan Bandeng (Channos channos, Forskal). *Jurnal Penyuluhan Perikanan dan Kelautan*, Volume 4, Nomor 2, (hal. 106–115).
- Yeon, K. Y., Kim, S. A., Kim, Y. H., Lee, M. K., Ahn, D. K., Kim, H. J., Kim, J. S., Jung, S. J., & Oh, S. B. (2010). Curcumin Produces an Antihyperalgesic Effect via Antagonism of TRPV 1. *Journal of Dental Research*, Volume 89, Nomor 2, (hal. 170–174).
- Yoon, H. Y., Lee, E. G., Lee, H., Cho, I. J., Choi, Y. J., Sung, M. S., Yoo, H. G., & Yoo, W. H. (2013). Kaempferol Inhibits IL-1 β -Induced Proliferation of Rheumatoid Arthritis Synovial Fibroblasts and the Production of COX-2, PGE2 and MMPs. *International Journal of Molecular Medicine*, Volume 32, Nomor 4, (hal. 971–977).
- Yulina, I. K. (2017). Back To Nature: Kemajuan Atau Kemunduran. Mangifera Edu: *Jurnal Biologi dan Pendidikan Biologi*, Volume 2, Nomor 1, (hal. 20–31).
- Yuwono, M., Siswandono, Hafid, A. F., Poemorno, A. T., Agil, M., Indrayanto, G., & Ebel, S. (2002). Eugenol. *Analytical Profiles of Drug Substances and Excipients*, Volume 29, (hal. 149–177).
- Zhang, X., Li, W., Abudureheman, A., Cheng, T., & Peng, P. (2017). Imperatorin Possesses Notable Anti-inflammatory Activity in vitro and in Vivo through

Inhibition of the NF-κB Pathway. *Molecular Medicine Reports*, Volume 16, Nomor 6, (hal. 8619–8626).

