

DAFTAR PUSTKA

- Abdul latief. (2012). *OBAT TRADISIONAL* (July Manurung). EGC.
- Adiana, M. A., & Mazura, M. P. (2011). Study on *Senna alata* and its different extracts by Fourier transform infrared spectroscopy and two-dimensional correlation infrared spectroscopy. *Journal of Molecular Structure*, 991(1–3). <https://doi.org/10.1016/j.molstruc.2011.02.005>
- Akhlaghi, M., & Bandy, B. (2009). Mechanisms of flavonoid protection against myocardial ischemia–reperfusion injury. *Journal of Molecular and Cellular Cardiology*, 46(3), 309–317. <https://doi.org/10.1016/j.yjmcc.2008.12.003>
- Aldi, Y., Yaser Arafat, ; M, & Rizal, Z. (2015). Aktivitas Ketepeng Cina (*Cassia alata L.*) sebagai Anti Anafilaksis Kutan Aktif pada Mencit Putih Jantan (*Cassia alata L. as Active Anti-Cutaneous Anaphylaxis in White Male Mice*). 10, 6–7.
- Amarowicz, R. (2007). Tannins: the new natural antioxidants? *European Journal of Lipid Science and Technology*, 109(6), 549–551. <https://doi.org/10.1002/ejlt.200700145>
- Angelina, M., Mardhiyah, A., Dewi, R. T., Fajriah, S., Muthiah, N., Ekapratiwi, Y., Dewijanti, I. D., Sukirno, S., Jamilah, J., & Hartati, S. (2021). Physicochemical and phytochemical standardization, and antibacterial evaluation of *Cassia alata* leaves from different locations in Indonesia. *Pharmacia*, 68(4), 947–956. <https://doi.org/10.3897/pharmacia.68.e76835>
- Artanti, Mathlail Fajri, Nurul Marfu'ah, L. O. (2018). AKTIVITAS ANTIFUNGI DAUN KETEPENG CINA (*Cassia alata L.*) FRAKSI ETANOL, N-HEKSAN, DAN KLOROFORM TERHADAP JAMUR *Microsporium canis*. *Pharmaceutical Journal of Islamic Pharmacy*, 2(1), 28. <https://doi.org/10.21111/pharmasipha.v2i1.2134>
- Arung, E. T., Wijaya Kusuma, I., Shimizu, K., & Kondo, R. (2011). Tyrosinase inhibitory effect of quercetin 4'- O - β - D -glucopyranoside from dried skin of red onion (*Allium cepa*). *Natural Product Research*, 25(3), 256–263. <https://doi.org/10.1080/14786411003754256>
- Asri Werdhasari. (2014). Peran Antioksidan Bagi Kesehatan. *Jurnal Biotek Medisiana Indonesia*, 3., 59–58.
- Astuti, E., Sunarminingsih, R., Jenie, U. A., Mubarika, S., & Sismindari. (2014). PENGARUH LOKASI TUMBUH, UMUR TANAMAN DAN VARIASI JENIS DESTILASI TERHADAP KOMPOSISI SENYAWA MINYAK ATSIRI RIMPANG MANGGA PRODUKSI BEBERAPA SENTRA DI YOGYAKARTA. *Jurnal Manusia Dan Tumbuhan*, 21(3), 2–7.

- Atta-Ur-Rahman, & Choudhary, M. I. (2005). Biodiversity as a source of new pharmacophores: A new theory of memory. Part 3. *Pure and Applied Chemistry*, 77(1), 75–81. <https://doi.org/10.1351/pac200577010075>
- Avif, A. N., & Yaqhsa, A. B. (2021). EXTRACTION OF BIOACTIVE COMPONENTS OF KETEPENG CINA (*Senna alata* L .) LEAFS USING ULTRASONIC AND MACERATION METHODS. *Indonesian Journal of Agricultural Postharvest Research*, 31–36.
- Baras F. (1994). *Mencegah Serangan Jantung dengan Menekan Kolesterol*. Gramedia.
- Buanasari, Palupi, P. D., Serang, Y., Pramudono, B., & Sumardiono, S. (2018). Development of ultrasonic-assisted extraction of antioxidant compounds from Petai (*Parkia speciosa* Hassk.) leaves. *IOP Conference Series: Materials Science and Engineering*, 349(1). <https://doi.org/10.1088/1757-899X/349/1/012009>
- Chan, E. W. C., Lim, Y. Y., & Omar, M. (2007). Antioxidant and antibacterial activity of leaves of *Etlingera species* (Zingiberaceae) in Peninsular Malaysia. *Food Chemistry*, 104(4), 1586–1593. <https://doi.org/10.1016/j.foodchem.2007.03.023>
- Chemat, F., Zill-E-Huma, & Khan, M. K. (2011). Applications of ultrasound in food technology: Processing, preservation and extraction. *Ultrasonics Sonochemistry*, 18(4), 813–835. <https://doi.org/10.1016/j.ultsonch.2010.11.023>
- Cheng, S.-S., Liu, J.-Y., Hsui, Y.-R., & Chang, S.-T. (2006). Chemical polymorphism and antifungal activity of essential oils from leaves of different provenances of indigenous cinnamon (*Cinnamomum osmophloeum*). *Bioresource Technology*, 97(2), 306–312. <https://doi.org/10.1016/j.biortech.2005.02.030>
- COOK, N. (1996). Flavonoids? Chemistry, metabolism, cardioprotective effects, and dietary sources. *Journal of the European Ceramic Society*, 66–76. [https://doi.org/10.1016/S0955-2863\(95\)00168-9](https://doi.org/10.1016/S0955-2863(95)00168-9)
- Dalimartha S. Atlas. (2000). Tumbuhan Obat Indonesia. *Trubus Agriwidya*.
- Departemen Kesehatan RI. (1989). *Materia medika indonesia*.
- Departemen Kesehatan RI. (2000). *Parameter Standar Umum Ekstrak Tumbuhan Obat*.
- Departemen Kesehatan RI. (2008). *Farmakope Herbal Indonesia*.

- Dilip K Ghosh and Tetsuya Konishi. (2007). Anthocyanins and Anthocyanin-Rich Extracts: Role in Diabetes and Eye Function. *Asia Pacific Journal of Clinical Nutrition*, 16, 2, 200–208. <https://doi.org/10.6133/APJCN.2007.16.2.01>
- Dwi Sri Rahayu, Dra. Dewi Kusriani M.Si, D. E. F. M. S. (2010). *Penentuan Aktivitas Antioksidan dari Ekstrak Etanol Daun Ketapang (Terminalia catappa L) dengan Metode 1,1 difenil 2 pikrilhidrazi l (DPPH)*. 1–10.
- Dykes. (2007). Phenolic Compounds in Cereal Grains and Their Health Benefits. *Cereal Foods World*. <https://doi.org/10.1094/CFW-52-3-0105>
- Egra, S., Mardiana, M., Kurnia, A., Kartina, K., Murtalaksono, A., & Kuspradini, H. (2019). Uji POTENSI EKSTRAK DAUN TANAMAN KETEPENG (*Cassia alata L*) DALAM MENGHAMBAT PERTUMBUHAN BAKTERI *Ralstonia solanacearum* dan *Streptococcus sobrinus*. *ULIN: Jurnal Hutan Tropis*, 3(1). <https://doi.org/10.32522/ujht.v3i1.2059>
- Eliyannor, B. (2012). Penuntun Praktikum Farmakognosi. In *kedokteran EGC* (II).
- Endang Hanani. (2014). *ANALISIS FITOKIMIA* (& A. H. Theresia veronica Dwinita Hadinata (ed.)). Penerbit Buku Kedokteran EGC.
- Ergina, S. N. dan I. D. P. (2014). Uji KUALITATIF SENYAWA METABOLIT SEKUNDER PADA DAUN PALADO (*Agave angustifolia*) YANG DIEKSTRAKSI DENGAN PELARUT AIR DAN ETANOL (*Agave. J. Akad. Kim*, 3(3), 165–172.
- Fadhli, H., Rizky Soeharto, A. B., & Windarti, T. (2018). Uji Aktivitas Antioksidan Kulit Buah Pulasan (*Nephelium mutabile Blume*) Dan Bunga Turi Putih (*Sesbania grandiflora*) Dengan Metoda DPPH. *Jurnal Katalisator*, 3(2), 114. <https://doi.org/10.22216/jk.v3i2.2882>
- Fakriah, Kurniasih, Eka, Adriana, & . R. (2019). Sosialisasi Bahaya Radikal Bebas Dan Fungsi Antioksidan Alami Bagi Kesehatan. *Jurnal Vokasi*, 3(1), 1. <https://doi.org/10.30811/vokasi.v3i1.960>
- Fatmawati, S., Yuliana, Purnomo, A. S., & Abu Bakar, M. F. (2020). Chemical constituents, usage and pharmacological activity of *Cassia alata*. *Heliyon*, 6(7), e04396. <https://doi.org/10.1016/j.heliyon.2020.e04396>
- Fuchs, B. F. J. (2002). Ultrasonic Cleaning : Fundamental Theory and Application What is “ Ultrasonics ?” *Shock, May*, 1–14.
- Goodsell, D. S. (2007). *Superoxide Dismutase*. *RCSB Protein Data Bank*. https://doi.org/10.2210/rcsb_pdb/mom_2007_10
- Grassi, D., Desideri, G., & Ferri, C. (2010). Flavonoids: Antioxidants Against Atherosclerosis. *Nutrients*, 2(8), 889–902. <https://doi.org/10.3390/nu2080889>

- Haila, K. (1999). Effects of Carotenoids and Carotenoid- Tocopherol Interaction on Lipid Oxidation In Vitro. In *Library* (Vol. 62, Issue 4).
- HALLIWELL, B. (2007). Dietary polyphenols: Good, bad, or indifferent for your health? *Cardiovascular Research*, 73(2), 341–347. <https://doi.org/10.1016/j.cardiores.2006.10.004>
- Handayani, H., Sriherfyna, F. H., & Yunianta. (2016). Ekstraksi Antioksidan Daun Sirsak Metode Ultrasonic Bath. *Jurnal Pangan Dan Agroindustri*, 4(1), 262–272.
- Hujjatusnaini, N. (2007). UJI POTENSI EKSTRAK DAUN KETEPENG CINA (*Cassia alata* L.) TERHADAP PENGHAMBATAN PERTUMBUHAN *Trichophyton* sp. *El-QUDWAH*, 0(0), 1–17.
- Ibrahim, A. M., Sriherfyna, F. H., & Yunianta. (2015). PENGARUH SUHU DAN LAMA WAKTU EKSTRAKSI TERHADAP SIFAT KIMIA DAN FISIK PADA PEMBUATAN MINUMAN SARI JAHE MERAH (*Zingiber officinale* var. *Rubrum*) DENGAN KOMBINASI PENAMBAHAN MADU SEBAGAI PEMANIS. *Jurnal Pangan Dan Agroindustri*, 3(2), 530–541.
- Irawati, I. (2008). *PERBANDINGAN METODE PENENTUAN AKTIVITAS ANTIOKSIDAN RIMPANG TEMULAWAK*.
- Ita, B. N., & Ndukwe, G. I. (2017). Antioxidant Activity of *Senna alata* Root Extracts Journal of Natural Products and Resources Antioxidant Activity of *Senna alata* Root Extracts. *Journal of Natural Products and Resources*, 3(1), 94–96.
- Janeiro, P., & Oliveira Brett, A. M. (2004). Catechin electrochemical oxidation mechanisms. *Analytica Chimica Acta*, 518(1–2), 109–115. <https://doi.org/10.1016/j.aca.2004.05.038>
- Karima, R. (2017). Ekstraksi dan Analisis Kimia Daun Gulinggang (*Cassia alata* Linn.) dengan Pelarut Air dan Etanol. *Jurnal Riset Industri Hasil Hutan*, 9, 1–8.
- Katja, D. G., & Suryanto, E. (2009). POTENSI DAUN ALPUKAT (*Persea Americana* Mill) SEBAGAI SUMBER ANTIOKSIDAN ALAMI. *POTENSI DAUN ALPUKAT (Persea Americana Mill) SEBAGAI SUMBER ANTIOKSIDAN ALAMI*, 2(1), 58–64.
- Kikuzaki, H., Hisamoto, M., Hirose, K., Akiyama, K., & Taniguchi, H. (2002). Antioxidant Properties of *Ferulic Acid* and Its Related Compounds. *Journal of Agricultural and Food Chemistry*, 50(7), 2161–2168. <https://doi.org/10.1021/jf011348w>

- Kosakih, F. (2017).). *Pengaruh Jenis Pelarut, Suhu dan Lama Waktu Ekstraksi Terhadap Aktivitas Antioksidan Pada Ekstrak Daun Sirsak (Annona muricata L.) Serta Aplikasinya Dalam Produk Hard Candy*.
- Lallo, S., Lewerissa, A. C., Rafi'i, A., Usmar, U., Ismail, I., & Tayeb, R. (2022). PENGARUH KETINGGIAN TEMPAT TUMBUH TERHADAP AKTIVITAS ANTIOKSIDAN DAN SITOTOKSIK EKSTRAK RIMPANG LENGKUAS (*Alpinia galanga L.*). *Majalah Farmasi Dan Farmakologi*, 23(3), 118–123. <https://doi.org/10.20956/mff.v23i3.9406>
- Lathifah Qurrotu A'yunin, Dora Dayu Rahma Turista, E. P. (2021). Daya Antibakteri Ketepeng Cina (*Cassia alata L.*) Terhadap *Staphylococcus aureus*, *Pseudomonas aeruginosa*, dan *Klebsiella pneumonia*. *Jurnal Analis Kesehatan, Volume 10*,.
- Lien, E. J., Ren, S., Bui, H.-H., & Wang, R. (1999). Quantitative structure-activity relationship analysis of phenolic antioxidants. *Free Radical Biology and Medicine*, 26(3–4), 285–294. [https://doi.org/10.1016/S0891-5849\(98\)00190-7](https://doi.org/10.1016/S0891-5849(98)00190-7)
- Lim, Y. Y., Lim, T. T., & Tee, J. J. (2007). Antioxidant properties of several tropical fruits: A comparative study. *Food Chemistry*, 103(3), 1003–1008. <https://doi.org/10.1016/j.foodchem.2006.08.038>
- Liochev, S. I. (2013). Reactive oxygen species and the free radical theory of aging. *Free Radical Biology and Medicine*, 60, 1–4. <https://doi.org/10.1016/j.freeradbiomed.2013.02.011>
- List, P. H., & Schmidt, P. C. (1989). *Phytopharmaceutical technology*.
- Mahmudah, R., Abdullah, N., Pratiwi, A., Hidayah, M. A., & Ismail, R. (2018). Uji Efektifitas Ekstrak Etanol Pada Daun Ketepeng Cina (*Cassia alata L.*) Terhadap Mikroba Penyebab Sariawan (Stomatitis Aphtosa). *Jurnal Mandala Pharmacon Indonesia*, 4(1), 39–52. <https://doi.org/10.35311/jmpi.v4i1.23>
- Margaretta, S., Swita D. H., Nani, I. (2013). Ekstraksi senyawa phenolic *Pandanus amaryllifolius roxb.* sebagai antioksidan alami. *Journal.Wima.Ac.Id*, 21–30. <http://journal.wima.ac.id/index.php/teknik/article/view/157>
- Marjoni, R. (2016). *Dasar-dasar fitokimia untuk diploma III farmasi*. Trans Info Media.
- Markham, K. R. (1988). *Techniques of flavonoid identification*. Bandung: ITB Press, 1988.
- Marliana, S. D., Suryanti, V., & Suyono. (2005). Skrining Fitokimia dan Analisis Kromatografi Lapis Tipis Komponen Kimia Buah Labu Siam (*Sechium edule Jacq . Swartz .*) dalam Ekstrak Etanol. *Biofarmasi*, 3(1), 26–31.

- Marzouk, M. M. (2016). Flavonoid constituents and cytotoxic activity of *Erucaria hispanica* (L.) Druce growing wild in Egypt. *Arabian Journal of Chemistry*, 9, S411–S415. <https://doi.org/10.1016/j.arabjc.2011.05.010>
- Maslarova, N. V. Y. (2001). *Antioxidants in food, Practical applications*. oodhead Publishing Limited, Abington Hall, Abington.
- Mawaddah, I., E, E., & Saleh, C. (2020). Skrining Fitokimia, Uji Toksisitas dan Uji Peredaman Radikal DPPH Ekstrak Daun Gelinggang (*Cassia alata* L.). *KOVALEN: Jurnal Riset Kimia*, 6(1), 61–66. <https://doi.org/10.22487/kovalen.2020.v6.i1.15045>
- Meysi Andrini, Dewa Gde Mayun Permana, I. W. R. W. (2019). PENGARUH SUHU DAN WAKTU EKSTRAKSI DAUN BELIMBING WULUH (*Averrhoa bilimbi* L.) TERHADAP AKTIVITAS ANTIOKSIDAN DENGAN METODE ULTRASONIC ASSISTED EXTRACTION (UAE). *Ilmu Teknologi Pangan*, 8(3), 330–340.
- Miranda, C. L., Stevens, J. F., Ivanov, V., McCall, M., Frei, B., Deinzer, M. L., & Buhler, D. R. (2000). Antioxidant and prooxidant actions of prenylated and nonprenylated chalcones and flavanones in vitro. *Journal of Agricultural and Food Chemistry*, 48(9), 3876–3884. <https://doi.org/10.1021/jf0002995>
- Molyneux Philip. (2004). The Use Of The Stable Free Radical Diphenylpicrylhydrazyl (DPPH) For Estimating Anti-oxidant Activity. *Songklanakarin Journal of Science and Technology*, 26(May), 1–10.
- Munhoz, V. M., Longhini, R., Souza, J. R. P., Zequi, J. A. C., Mello, E. V. S. L., Lopes, G. C., & Mello, J. C. P. (2014). Extraction of flavonoids from *Tagetes patula*: Process optimization and screening for biological activity. *Revista Brasileira de Farmacognosia*, 24(5), 576–583. <https://doi.org/10.1016/j.bjp.2014.10.001>
- Murray R. K., Granner D.K., R. V. . (2006). *Biokimia harper*. (27th ed.). EGC.
- Mutiara, R., Djangi, M. J., & Herawati, N. (2016). Isolasi dan Uji Aktivitas Antioksidan Senyawa Metabolit Sekunder Ekstrak Metanol Kulit Buah *Mangrove Pidada* (*Sonneratia caseolaris*). *Jurnal Chemical*, 17(2), 52–62.
- Noval, N., Yuwindry, I., & Syahrina, D. (2019). Phytochemical Screening And Antimicrobial Activity Of Bundung Plants Extract By Dilution Method. *Jurnal Surya Medika*, 5(1), 143–154. <https://doi.org/10.33084/Jsm.V5i1.954>
- Noviyanti. (2016). Pengaruh kepolaran pelarut terhadap aktivitas antioksidan ekstrak etanol daun jambu brazil batu (*Psidium guineense* L.) dengan metode DPPH. *Jurnal Farmako Bahari*, 7(1), 29–35.

- Nugrahani, R., Andayani, Y., & Hakim, A. (2016). Skrining Fitokimia Dari Ekstrak Buah Buncis (*Phaseolus vulgaris* L) Dalam Sediaan Serbuk. *Jurnal Penelitian Pendidikan IPA*, 2(1). <https://doi.org/10.29303/jppipa.v2i1.38>
- Nurani, L. H. (2013). ISOLASI DAN UJI PENANGKAPAN RADIKAL BEBAS DPPH OLEH ISOLAT-1, FRAKSI ETIL ASETAT, DAN EKSTRAK ETANOL AKAR PASAK BUMI (*Eurycoma longifolia* Jack). *Pharmaciana*, 3(1). <https://doi.org/10.12928/pharmaciana.v3i1.422>
- Oladeji, O. S., Adelowo, F. E., Oluyori, A. P., & Bankole, D. T. (2020). Ethnobotanical Description and Biological Activities of *Senna alata*. *Evidence-Based Complementary and Alternative Medicine*, 2020. <https://doi.org/10.1155/2020/2580259>
- Panichayupakaranant, P., & Kaewsuwan, S. (2004). Bioassay-guided isolation of the antioxidant constituent from *Cassia alata* L. leaves. *Songklanakarin Journal of Science and Technology*, 26(1), 103–107.
- Parwati, N. K. F., Napitupulu, M., & Diah, A. W. M. (2014). Uji aktivitas antioksidan ekstrak daun binahong (*Anredera Cordifolia* (Tenore) Steenis) dengan 1, 1-Difenil-2-Pikrilhidrazil (DPPH) menggunakan spektrofotometer UV-Vis. 3(November), 206–213.
- Praptiwi, Dewi.P, Harapini, M. (2006). Nilai peroksida dan aktivitas anti radikal bebas *diphenyl picril hydrazil hydrate* (DPPH) ekstrak metanol *Knema laurina Peroxide*. *Majalah Farmasi Indonesia*, 17(1)(1), 32–36.
- Proestos, C., Sereli, D., & Komaitis, M. (2006). Determination of phenolic compounds in aromatic plants by RP-HPLC and GC-MS. *Food Chemistry*, 95(1), 44–52. <https://doi.org/10.1016/j.foodchem.2004.12.016>
- Ibnu Ghalib Gandjar & Abdul Rohman. (2007). *KIMIA ANALISIS FARMASI. Pustaka Pelajar*.
- Purwanti, N. U., Yuliana, S., & Sari, N. (2018). PENGARUH CARA PENGERINGAN SIMPLISIA DAUN PANDAN (*Pandanus amaryllifolius*) TERHADAP AKTIVITAS PENANGKAL. *Jurnal Farmasi Medica/Pharmacy Medical Journal (PMJ)*, 1(2), 63–72. <https://doi.org/10.35799/pmj.1.2.2018.21644>
- Pyo, Y.-H., Jin, Y.-J., & Hwang, J.-Y. (2014). Comparison of the Effects of Blending and Juicing on the Phytochemicals Contents and Antioxidant Capacity of Typical Korean Kernel Fruit Juices. *Preventive Nutrition and Food Science*, 19(2), 108–114. <https://doi.org/10.3746/pnf.2014.19.2.108>
- Rahmawati, A.Muflihunna, Kusuma, A. T., & Hardiyanti. (2015). No Title. *ANALISIS KADAR FLAVONOID DAN FENOLIK TOTAL FRAKSI ETIL ASETAT DAUN KETEPENG CINA (Senna Alata (L.) Roxb) DENGAN METODE SPEKTROFOTOMETRI UV-VISIBLE*, 07(01), 10–18.

- Rajalakshmi, D. & S. N. (1985). Food Antioxidant, Technological, Toxilogical and Health Perspectives. *Marcel Dekker Inc. Hongkong*, 76–77.
- Ramayani, S. L., Nugraheni, D. H., Robertin, A., & Wicaksono, E. (2021). The influence of a method of the extraction of against the level of the total content of phenolic and total flavonoid leaves taro (*Colocas L*). *Journal of Pharmacy*, 10(1), 11–16.
- Ranti, G. C., Fatimawali, & Wehantouw, F. (2013). Uji Efektivitas Ekstrak Flavonoid dan Steroid Dari Gedi (*Abelmoschus Manihot*) Sebagai Anti Obesitas dan Hipolipidemik Pada Tikus Putih Jantan Galur Wistar. *PHARMACON Jurnal Ilmiah Farmasi-UNSRAT*, 2(02), 34–38.
- Redha, A. (2010). Flavonoid: Struktur, Sifat Antioksidatif dan Peranannya Dalam Sistem Biologis. *Jurnal Berlin*, 9(2), 196–202. <https://doi.org/10.1186/2110-5820-1-7>
- RI., D. kesehatan. (2000). *Acuan Sediaan Herbal* (pp. 121–125).
- Rimbach, G., Höhler, D., Fischer, A., Roy, S., Virgili, F., Pallauf, J., & Packer, L. (1999). Methods to assess free radicals and oxidative stress in biological systems. *Archiv Für Tierernaehrung*, 52(3), 203–222. <https://doi.org/10.1080/174503999090386163>
- Rivai, H., Nurdin, H., Suyani, H., & Amri Bakhtiar, D. (2010). EFFECTS OF DRYING METHODS IN GAINING OF EXTRACTIVE, PHENOLIC CONTENT AND ANTIOXIDANT ACTIVITY IN *Gynura pseudochina* (Lour.). *Majalah Obat Tradisional*, 15(1), 2010.
- Riza Linda, Siti Khotimah, E. (2011). AKTIVITAS EKSTRAK DAUN KETEPENG CINA (*Cassia alata* Linn.) TERHADAP PERTUMBUHAN JAMUR *Cercospora personatum*. *Fakutas MIPA Universitas Tanjungpura, Jl. Ahmad Yani Pontianak*, 01, 1–7.
- Roberta Masella, G. M. (2009). *Glutathione and Sulfur Amino Acids in Human Health and Disease* (R. Masella & G. Mazza (eds.)). John Wiley & Sons, Inc. <https://doi.org/10.1002/9780470475973>
- Robinson T. (1995). *Kandungan organik tumbuhan tinggi* (VI, pp. 191–216). ITB.
- Roskiana, A., Universitas, A., Indonesia, M., & Mun, A. (2012). *Study of Antioxidant Activity With Reduction of Dpph Radical and Xanthine Oxidase Inhibitor of ...* 3(April 2014), 66–70.
- Rumangu, A. V., Yudistira, A., & Rotinsulu, H. (2019). UJI AKTIVITAS ANTIOKSIDAN DARI EKSTRAK ETANOL BUNGA KANA MERAH (*Canna coccinea* Mill) MENGGUNAKAN METODE DPPH. *Pharmacoon*, 8(3), 542. <https://doi.org/10.35799/pha.8.2019.29328>
- Rush, J. W. E., Denniss, S. G., & Graham, D. A. (2005). Vascular Nitric Oxide

- and Oxidative Stress: Determinants of Endothelial Adaptations to Cardiovascular Disease and to Physical Activity. *Canadian Journal of Applied Physiology*, 30(4), 442–474. <https://doi.org/10.1139/h05-133>
- Safitri, E. R., Rohama, & Vidiyasari, P. (2020). Skrining fitokimia serta uji aktivitas antioksidan ekstrak bunga ketepeng cina (*senna alata* (L.) Roxb.) Dengan metode dpph. *Journal of Pharmaceutical Care and Science*, 1(1), 10–18.
- Saifudin, A., Rahayu, V., & Teruna, H. yuda. (2011). *Standardisasi Bahan Obat Alam* (Cet. 1). Graha Ilmu.
- Salamah, E., Ayuningrat, E., & Purwaningsih, S. (2008). *Penapisan awal komponen bioaktif dari kijing taiwan* (. XI(0251), 119–133.
- Sekarsari, S., Widarta, I. W. R., & Jambe, A. A. G. N. A. (2019). PENGARUH SUHU DAN WAKTU EKSTRAKSI DENGAN GELOMBANG ULTRASONIK TERHADAP AKTIVITAS ANTIOKSIDAN EKSTRAK DAUN JAMBU BIJI (*Psidium guajava* L.). *Jurnal Ilmu Dan Teknologi Pangan (ITEPA)*, 8(3), 267. <https://doi.org/10.24843/itepa.2019.v08.i03.p05>
- Shafie, F. M. (2011). Hubungan Radikal Bebas dan Antioksidan Terhadap Penyakit Periodontal. In *Fakultas Kedokteran Gigi Universitas*.
- Shiksharathi, A. R. and S. M. (2011). Ficus Racemosa: Phytochemistry, Traditional Uses and Pharmacological Properties: A Review. *International Journal of Recent Advances in Pharmaceutical Research*.
- Sibuea, P. (2003). *Antioksidan Senyawa Ajaib Penangkal Penuaan Dini* (Sinar Hara).
- Sirait, R. A. (2009). *Penerapan metode Spektrofotometri Ultraviolet pada Penetapan Kadar Nifedipin dalam Sediaan Obat*.
- Syamsuhidayat, S. S., & Hutapea, J. R. (1991). *Inventaris tanaman obat Indonesia* (pp. 286-287.). Jakarta: Departemen Kesehatan RI, Badan Penelitian dan Pengembangan Kesehatani, 1991.
- Syamsul, E. S., Supomo, & Jubaidah, S. (2020). Karakterisasi Simplisia dan Uji Aktivitas Antioksidan Ekstrak dan Fraksi Daun Pidada Merah (*Sonneratia caseolaris* L). *KOVALEN: Jurnal Riset Kimia*, 6(3), 184–190. <https://doi.org/10.22487/kovalen.2020.v6.i3.15319>
- Tiwari, P. dan, Bimlesh, K. dan, Mandeep, K. dan, Gurpreet, K. dan, & Harleen, K. dan. (2011). hytochemical Screening and Extraction: A Review. *International Pharmaceutica Scienca. International Pharmaceutica Scienca*, 1, 98–106.
- Tjitda, P. J. P., & Nitbani, F. O. (2019). SKRINING FITOKIMIA EKSTRAK

METANOL, KLOROFORM DAN N-HEKSAN DAUN FLAMBOYAN.
Jurnal Sains Dan Terapan Kimia, 13(2), 70.
<https://doi.org/10.20527/jstk.v13i2.5949>

- Togo, H. (2004). *Advanced Free Radical Reactions for Organic Synthesis*. Elsevier. <https://doi.org/10.1016/B978-0-08-044374-4.X5000-2>
- Wahyono, P., Soetjipto, Harjanto, & Suhariningsih. (2011). Efek Jus Buah Tomat (*Lycopersicum pyriforme*) terhadap Pencegahan Fotoaging Kulit Akibat Iradiasi Sinar Ultraviolet-B. *CIREN - Open Access Proceedings Journal*, 13(3), 169–178.
- Wang, Q., Jin, J., Dai, N., Han, N., Han, J., & Bao, B. (2016). Anti-inflammatory effects, nuclear magnetic resonance identification, and high-performance liquid chromatography isolation of the total flavonoids from *Artemisia frigida*. *Journal of Food and Drug Analysis*, 24(2), 385–391. <https://doi.org/10.1016/j.jfda.2015.11.004>
- Winarsi, H. (2007). *antioksidan alami dan radikal bebas*. Kanisius : Yogyakarta., 2007. http://pustaka.poltekkespdg.ac.id/images/docs/Antioksidan_alami_%26_radikal_bebas_002.jpg.jpg
- Yacob, T., & Endriani, R. (2012). Daya Antibakteri Ekstrak Etanol Ketepeng Cina (*Senna alata*) terhadap *Staphylococcus aureus* dan *Escherichia coli* secara In Vitro. *Jurnal Natur Indonesia*, 13(1), 63. <https://doi.org/10.31258/jnat.13.1.63-66>
- Yamin, M., Ayu, D. F., & Hamzah, F. (2017). Lama Pengeringan Terhadap Aktivitas Antioksidan Dan Mutu Teh Herbal Daun Ketepeng Cina (*Cassia alata* L.). *Program Studi Teknologi Hasil Pertanian, Jurusan Teknologi Pertanian*, 4(2), 1–15.
- Zahari, N. A. A. R., Chong, G. H., Abdullah, L. C., & Chua, B. L. (2020). Ultrasonic-Assisted Extraction (UAE) Process on Thymol Concentration from *Plectranthus Amboinicus* Leaves: Kinetic Modeling and Optimization. *Processes*, 8(3), 322. <https://doi.org/10.3390/pr8030322>
- Zamani, N. P., & Muhaemin, M. (2018). Penggunaan Spektrofotometer Sebagai Pendeteksi Kepadatan Sel Mikroalga Laut. *J. Maspari*, 8(1), 39–48.
- Zheng, W., & Wang, S. Y. (2001). Antioxidant Activity and Phenolic Compounds in Selected Herbs. *Journal of Agricultural and Food Chemistry*, 49(11), 5165–5170. <https://doi.org/10.1021/jf010697n>