

## DAFTAR PUSTAKA

- Al-Quran dan tafsir Al-maraghi, Ahmad Musthafa,. 1993. *Tafsir Al-Maraghi*, terj. Anshori Umar Sitanggal, dkk., Semarang: Karya Toha Putra, cet. Ke-2, juz 11.
- Akanda and Hasan. 2021. *Characterization of pharmacological properties of methanolic seed and stem bark extracts of Ziziphus mauritiana (BAU Kul) using in-vitro and in-vivo animal (Swiss albino male mice)*. Clinical Phytoscience. 7:8. <https://doi.org/10.1186/s40816-020-00246-0>
- Anis masliyah, Panji Ratih Suci, Elly Purwanti, Cikra Ikhda Nur Hamidah Safitri. 2021. *FORMULASI DAN UJI MUTU FISIK EKSTRAK DAUN BIDARA (Ziziphus mauritiana L.) PADA SEDIAAN LOTION*. Seminar Nasional Pendidikan Biologi dan Saintek (SNPBS) ke-VI 2021. 439-444
- Apsari, Dwi, P., Susanti, H., 2011, *Penetapan Kadar Fenolik Total Ekstrak Metanol Kelopak Bunga Rosella Merah (Hibiscus Sabdariffa Linn) dengan Variasi Tempat Tumbuh secara Spektrofotometri*, Jurnal Ilmiah Kefarmasian. Vol. 2 (1), 73-80
- Arbab AH, Eltahir MM., 2010. *Review On Skin Whitening Agents*. Khartoum Pharm J..13(1):5-9
- Ashraf, A., Sarfraz,R.A., Anwar, F., Shahid, S.A., 2015. *Chemical Composition And Biological Activities of Leaves of Ziziphus mauritiana L. Native to Pakistan*. Pak. J. Bot Volume 47(1): 367-376, 2015.
- Batubara et all. 2010. *Potency of indonesian Medicinal Plants as tyrosinase inhibitor and antioxidant agent*. Journal of Biological Sciences. 10(2): 138-144
- Belleville-Nabet,F., 1996, *Gizi Antioksidan Penangkal Senyawa Radikal Pangan dalam Sistem Biologis*. Dalam : Prosiding Seminar Senyawa Radikal dan Sistem Pangan: Reaksi BIOMOLEKULAR, Dampak terhadap Kesehatan dan Penangkalan, CFNS-IPB dan Kedutaan Besar Perancis-Jakarta.
- Bintoro, A., A.M. Ibrahim dan S. Situmerang. 2017. *Analisis dan identifikasi senyawa saponin dari daun bidara (Zhizipus mauritanica L.).*Jurnal ITEKIMIA. 2(1): 84-94.
- Capocasa, F., J. Scalzo, B. Mezzetti and M. Battino. 2008. *Combining quality and antioxidant attributes in the strawberry; The role of genotype*. Food Chemistry, 111(4): 872-878

- Chang TS. 2009. *An updated review of tyrosinase inhibitors*. Int. J. Mol. Schi. 10(6), 2440-2475; <https://doi.org/10.3390/ijms10062440>
- Chang, T. S. 2012. *Natural Melanogenesis Inhibitors Acting Through the Down-Regulation of Tyrosinase Activity*. Materials, 5 :1661-1685.
- Charissa M, Djajadisastra J, Elya B. 2016. *Uji aktivitas antioksidan dan penghambatan tirosinase serta uji manfaat gel ekstrak kulit batang taya (Nauclea subdita) terhadap kulit*. Jurnal Kefarmasian Indonesia. Vol.6. No.2. DOI: <https://doi.org/10.22435/jki.v6i2.2924>
- Ciulei, J. 1984. *Metodology for Analysis of Vegetables and Drugs*. Bucharest Rumania: Faculty of Pharmacy. Pp. 11-26
- Deny, F., Sri Lestari KS dan Zainal Hakim.(2006). *Penggunaan Vitamin E dan Vitamin C Topikal dalam Bidang Kosmetik*. Majalah Kedokteran Andalas. Padang. No. 2. Vol 30. Juli-Desember 2006.
- Dehpour, A.A., Ebrahimzadeh, M.A., Fazel, N.S., and Mohammad, N.S., 2009, *Antioxidant Activity of Methanol Extract of Ferula Assafoetida and Its Essential Oil Composition*, Grasas Aceites, 60(4), 405-412.
- Devasagayam TPA, Tilak JC, Boloor KK, Sane KS, Ghaskadbi SS, Lele RD. 2004. *Free radicals and antioxidants in human health: current status and future prospects*. Japi. 52(10): 794-804.
- Dewick, P.P., 2002, *Medicinal Natural Products, A Biosynthetic Approach*, John Wiley and Sons, Ltd., School of Pharmaceutical Sciences University of Nottingham, UK.
- Dris, R. and Jain, S.M., 2004, *Production Practices and Quality Assessment of Food Crops: Quality Handling and Evaluation*, Kluwer Academic Publisher, New York
- Emad M.A, Eman RE, Abdelaziz Ed-dra., 2016. *Biological Activities of methanolic leaf extract of Ziziphus mauritiana*. Biosci. Biotech. Res. Comm. 9(4): 605-614
- Emilan, T., Kurnia, A., Utami, B., Diyani, L.N., Maulana, A., 2011, *Konsep Herbal Indonesia : Pemastian Mutu Produk Herbal*, Jakarta. FMIPA: Universitas Indonesia.
- Farah Yumna Ambaro, Fitrianti Darusman & Mentari Luthfika Dewi. 2020. Prosedur Ekstraksi Maserasi Daun Bidara Arab (*Ziziphus spina-christi* L.) Menggunakan Pelarut Etanol dan Air. Prosiding Farmasi. Volume 6, No. 2, Tahun 2020. <http://dx.doi.org/10.29313/v6i2.24050>

- Fauzia dan Astari Larasati. 2008. *Uji Efek Ekstrak Air dari Daun Avokad (Persea gratissima) terhadap Streptococcus mutans dari Saliva dengan Kromatografi Lapisan Tipis (TLC) dan Konsentrasi Hambat Minimum (MIC)*. Majalah Kedokteran Nusantara Volume 41/ No. 3/September 2008.
- Fitrie AA. 2004. *Histologi dari Melanosit*. Fakultas Kedokteran Bagian Histologi, Universitas Sumatera Utara.
- Gandjar, I.G.dan Rohman, A. 2007. *Kimia Farmasi Analisis*, Pustaka Pelajar, Yogyakarta.
- Goyal M. et al, 2012, *Review on ethnomedicinal uses, pharmacological activity and phytocheical constituents of Ziziphus muritiana (Z. Jujuba Lam., non Mill), Spatula DD*, Volume 2, pp. 107-116.
- Halaban R, Hebert DN, Fisher E.D. 2003. *Biology of Melanocytes*. Dalam Fitzpatik TB, Eisen AZ, Wolff K, FM Irwin, Austen KF, Goldsmith Lowel A, Katz S I, editor. *Dermatology in General Medicine 6th edition*. NewYork: Mc. Graw Hill.
- Handa SS, Khanuja SPS, Longo G, Rakesh DD. 2008. *Extraction Technologies for Medicinal and Aromatic Plants*. Italy. ICS-UNIDO.
- Harbone, J. B. 1987. *Metode Fotokimia: Penuntun Cara Modern Menganalisis Tumbuhan*. Edisi Kedua. (Terjemahan Kosasih Padmawinata & Iwang Sudiro). Bandung: Penerbit ITB. (Buku asli: 1984).
- Harmita. 2004. *Petunjuk Pelaksanaan Validasi Metode dan Cara Perhitungannya*. Majalah Ilmu Kefarmasian, Dep. Farmasi. FMIPA-UI, Jakarta.
- Hasrawati. 2019. *Uji aktivitas inhibitor enzim tirosinase ekstrak n-heksan Umbi Wortel (Daucus Carrota L)*. Skripsi. Fakultas Kedokteran dan Ilmu Kesehatan. UIN Alauddin Makassar.
- Hegde Karunkar and Joshi Arun B. 2010: *Scholars Research Library Der Pharmacia lettre* 2(3): 255.
- Huang, D., Ou, B., & Prior, R. L. 2005. *The chemistry behind antioxidant capacity assays*. Journal of Agricultural and Food Chemistry. 2005 Mar 23;53(6):1841-56. doi: 10.1021/jf030723c.
- Husna A, 2019. *Uji Aktivitas Inhibitor Tirosinase Ekstrak Etanol Daun Kelor (Moringa oleifera Lam)*. Skripsi. Fakultas Kedokteran & Ilmu Kesehatan. Universitas Islam Negeri Alauddin. Makasar.

- Indrayani, 2014. *Pengaruh Pemberian Ekstrak Etanol Daun Kelor (Moringa oleifera) Terhadap Kadar Enzim d-ALAD, Kadar Hemoglobin dan Eritrosit Mencit (Mus musculus) Jantan yang Dipapar Timbal Asetat*. Skripsi. Jurusan Bioogi, Fakultas Sains dan Teknologi, Universitas Islam Negeri Mauana Malik Ibrahim., Malang.
- Jannah M. 2018. *Uji aktivitas antikanker ekstrak dan fraksi Daun Bidara Laut (Ziziphus mauritiana L.) terhadap sel kanker payudara (T47D) melalui metode MTT*. Skripsi. Jurusan Kimia. Fakultas Sains dan Teknologi. Universitas Islam Negeri Maulana Malik Ibrahim. Malang.
- Jia, N., Li, T., Diao, X., Kong, B., 2014. *Protective effects of black currant (Ribes nigrum L.) extract on hydrogen peroxide-induced damage in lung fibroblast MRC-5 cells in relation to the antioxidant activity*. J. Funct. Foods 11, 142–151.
- Karim, A.A., Azlan, A., Ismail, A., Hashim, P., Gani, S. salwa abd, Zainudin, B.H., Abdullah, N.A., 2014. Phenolic composition, antioxidant, anti-wrinkles and tyrosinase inhibitory activities of cocoa pod extract. BMC Complement. Altern. Med. 14, 381.
- Kaur, C and Kapoor, H.C, 2001, *Antioxidants in Fruit and Vegetables-The Millenium's Health*, International Journal of Food Science and Technology. 36, 703-725. <http://dx.doi.org/10.1046/j.1365-2621.2001.00513.x>
- Kemenkes RI.2020. Farmakope Indonesia. Edisi VI
- Khairunnisa N. 2017. *Uji aktivitas antioksidan pada ekstrak Daun zaitun (Olea europaea L) menggunakan pelarut air dengan metode DPPH*. Skripsi. Program Studi Kedokteran dan Profesi Dokter. Fakultas Kedokteran dan Ilmu Kesehatan.UIN Syarif Hidayatullah. Jakarta.
- Kim, D.-B., Shin, G.-H., Kim, J.-M., Kim, Y.-H., Lee, J. H., Lee, J.S., Song, H.-J., Choe, S.Y., Park, I.-J., Cho, J.-H., Lee, O.H., 2016. *Antioxidant and anti-ageing activities of citrus-based juice mixture*. Food Chem. 194, 920–927.
- Kim, D., Park, J., Kim, J., Han, C., Yoon, J., Kim, N., Seo, J., and Lee, C. 2006. *Flavonoids as Mushroom Tyrosinase Inhibitors: A Fluorescence Quenching Study*. Journal of Agricultural and Food Chemistry, 54: 935-941.
- Kim, J. H., Kim, M. R., Lee, E. S., and Lee, C. H. 2009. *Inhibitory Effects of Calycosin Isolated from the Root of Astragalus membranaceus on Melanin Biosynthesis*. Biological and Pharmaceutical Bulletin, 32(2) 264-268.

- Kokane C.K, Purohit A. P. and Ghokhale S.B. 1997: *Pharmacognosy*, Nirali Prakashan, Pune, India.
- Likhithwitayawuid, K. 2008. *Stilbenes With Tyrosinase Inhibitory Activity*. Current Science, 94: 44-52.
- Lin JW, Chiang HM, Lin YC, Wen KC. 2008. *Natural products with skin-whitening effects*. J. Food and Drugs Analysis. (16). 2: 1-10.
- Masaki, H. (2010). *Role of Antioxidants in The Skin: Anti-aging Effects*. Journal of Dermatological Science. Volume 58: 85–90.
- Najafi, S. (2013). Phytochemical screening and antibacterial activity of leaf extract of *Ziziphus mauritiana* Lam., International Research Journal of Applied and Basic Sciences, 4(11), 3274–3276.
- Padmawinata, K. 1995. *Kandungan Organik Tumbuhan Tinggi*. Bandung: Penerbit ITB (Terjemahan dari Robinson, T. 1991. *The Organic Constituents of Higher Plant*, 6th ed).
- Palejkar, C.J., Palejkar, J.H., Patel, A.J. and Patel, M.A. 2012. *A plant review on Ziziphus mauritiana*. International Journal of Universal Pharmacy and Life Sciences, 2(2), 202–211.
- Panda, S.K. 2012. *Assay guided comparison for enzymatic and non-enzymatic antioxidant activities with special reference to medicinal plants*. InTech. 15(1): 381-399. <http://dx.doi.org/10.5772/50782>.
- Prakash, A., Rigelhof, F., and Miller, E., 2001, *Antioxidant Activity*: Medallion Laboratories, Analithycal Progress, 19(2), 1-4.
- Pratimasari, D, 2009, *Uji Aktivitas Penangkap Radikal Buah Carica papaya L. Dengan Metode DPPH dan Penetapan Kadar Fenolik Serta Flavonoid Totalnya*, Fakultas Farmasi Universitas Muhammadiyah Surakarta. Surakarta.
- Pisoschi, A. M., Cheregi, M. C. & Danet, A. F., 2009. *Total antioxidant capacity of some commercial fruit juices: electrochemical and spectrophotometrical approaches*. Molecules. 14(1):480-93. doi: 10.3390/molecules14010480.
- Prior R.L, X. Wu dan K. Schaich. 2005. *Standardized Methods for The Determination of Antioxidant Capacity and Phenolics in Foods and Dietary Supplements*. Journal of Agricultural and Food Chemistry. 53(10):4290-302. doi: 10.1021/jf0502698.

- Purnamasari RD., dan Sagala Z. 2020. Uji aktivitas inhibitor enzim tirosinase ekstrak etanol daun Bidara Arab (*Ziziphus spina-christi L.*) secara in vitro. Indonesia Natural Research Pharmaceutical Journal. Vol 5, No.1, pp 35-44.
- Puspitasari ML, Wulansari TV, Widyaningsih TD, Maligan JM, Nugrahini NIP. 2015. *Aktivitas Antioksidan Suplemen Herbal Daun Sirsak (Annona muricata L.) dan Kulit Manggis (Garcinia mangostana L.): KAJIAN PUSTAKA*. Jurnal Pangan Dan Agroindustri.
- Rathore, S., Bhatt, S., Suresh Dhyani, D., Jain, A., 2012. *Preliminary Phytochemical Screening of Medicinal Plant Ziziphus mauritiana Lam Fruits*. International Journal of Current Pharmaceutical Research Volume 4. Issue 3, 160-162.
- Rouamba et al. 2022. *Phytochemical screening, antioxidant and cytoprotective activities of fruits pulp extracts from adansonia digitata L., (Bombacaceae) and Ziziphus Mauritiana Lam. (Rhamnaceae)*. International Journal of Pharmaceutical Science and Research; Vol 13(7); 2944-2950.
- Sabirin, M., Hardjono S., dan Respati S., 1994. *Pengantar Praktikum Kimia Organik II*. UGM-Yogyakarta.
- Sambrook, Joseph and David W. Russell. 2001. *Molecular Cloning: A Laboratory Manual*. 3th ed. Cold Spring Harbor Laboratory Press. New York.
- Sharma, OP., dan Bhat, TK. 2009. *Analytical methods dpph antioxidant assay revisited*. Food Chemistry. 13(4):1202-1205.  
DOI:10.1016/j.foodchem.2008.08.008
- Shihab, M. Quraish. 2002. *Tafsir al-Misbah; Pesan, Kesan, dan Keserasian Alquran*. Vol. 5 Jakarta: Lentera Hati.
- Suhara. 2008. *Dasar-dasar Biokimia*. Bandung: Prisma Press.
- Tedjo, A., Dondin, S., dan Latifah, K.D. 2005. *Aktivitas Kemoprevensi Ekstrak Temu Mangga*. Makara Kesehatan Vol. 9(2): 57-62.
- Thalbah Hisham, 2009. Ensiklopedia Mukjizat Alquran Dan Hadis., Vol. 1, terj. Syarif Hade Masyah; Sapta Sentosa
- Tranggono, RIS & Fatma Latifah. 2007. *Buku Pegangan Ilmu Pengetahuan Kosmetik*. Jakarta. PT. Gramedia Pustaka Utama 2007: 81-87

- Wahyuningsih Q. (2013). *Aktivitas penghambatan tirosinase dari ekstrak etilasetat Daun Binahong (Anredera cardifolia (Tenore) Steen)*. Skripsi. Fakultas Farmasi. Universitas Muhammadiyah. Purwokerto.
- Wijayakusuma, 2000, Tumbuhan Berkhasiat Obat Indonesia, Jilid I, Penerbit Pustaka Kartini, Jakarta.
- Winarsi H, 2007. *Antioksidan alami dan radikal bebas potensi dan aplikasinya dalam kesehatan*. Yogyakarta. Kanisius
- Winarti, Sri. 2010. *Makanan Fungsional*. Yogyakarta: Graha Ilmu
- Woolery-Lloyd, H. dan Kammer, J. N. 2011: *Treatment of hyperpigmentation*, Seminar In Cutaneous Medicine and Surgery, 30, 171-175.
- Yasmi, S.A. 2017. *Pembuatan Krim dan Uji Aktivitas Anti-Aging Minyak Biji Kacang Kenari (Canarium ovatum)*. Skripsi. Program Studi Sarjana Farmasi, Fakultas Farmasi, Universitas Sumatera Utara.