

## DAFTAR PUSTAKA

- Adebayo, AH, Zeng, GZ, Fan, JT, Ji, CJ, He, WJ, Xu, JJ, Zhang, YM, Akindahusni, AA, Kela, R & Tan, NH., 2010, Biochemical, Haematological and Histopathological Studies of Extract of *Ageratum conyzoides L.* in Sparague Dawley Rats. Kanada. *Journal Med Plant Res*, 6(21), 62.
- Adekele, A. Kasali, Peter Winterhalter, Adewalo M. Adio, Holger Knopp, Bernd Bonnlander,. 2002, Chromenes in *Ageratum conyzoides L.*, *Nigeria, Flavor and Fragrance Journal*, 65(8), 1533.
- Alvarez, J., & Shoichet, B., 2005, *Virtual Screening in Drug Discovery..* Florida, USA. Taylor and Francis Group.
- Anonim. 2009. *Kromatografi Lapis Tipis.* [http://www.chemistry.org/materi\\_kimia/instrument\\_analisis/kromatografi1/kromatografi\\_lapis\\_tipis/](http://www.chemistry.org/materi_kimia/instrument_analisis/kromatografi1/kromatografi_lapis_tipis/).
- Anonim., 2012, [www.p1999.com/english/newsinfor.php?id=382&newclass=1](http://www.p1999.com/english/newsinfor.php?id=382&newclass=1) diakses pada 9 Mei 2016.
- Apak, R, Guclu, Demirata, Celik & Berker., 2007, Comparative evaluation of various total antioxidant capacity assay applied to phenolic compounds with the CUPPRAC assay. *Journal Med Plant Res*, 12(7), 1496-1547.
- Ariyanto, R., 2006, Uji Aktivitas Antioksidan, Penentuan Kandungan Fenolik dan Flavonoid Total Fraksi Kloroform dan Fraksi Air Ekstrak Metanolik Pegagan (*Centella asiatica L.*, Urban), Skripsi, Fakultas Farmasi Universitas Gadjah Mada, Yogyakarta.
- Armala, M., 2009, *Daya Antioksidan Fraksi Air Ekstrak Herba Kenikir (Cosmos caudatus H.B.K.) dan Profil KLT.* Yogyakarta. Fakultas Farmasi Universitas Islam Indonesia.
- Boyle, N., Banck, M., James, C., Morley, C., van der Meersch, T., & Hutchison, G. R., 2011, Open Babel: An Open Chemical Toolbox. Pittsburgh. *Journal of Cheminformatics*, 3(33).
- Brasseur, T and Angenot L., 1986, *Flavonol Glycosides from Leaves of Phlomis lachnitys.* Phytochemistry. London. Taylor and Francis Group.
- Brennan PJ, Kumogami T, Berezov A, Murali R, Greene MI., 2000, *HER2/Neu : Mechanisms of Dimerization or Oligomerization.* United State. EBSCO Information Service.
- Budilaksono, W., Wahdaningsih S., & Fahrurroji, A., 2014, Uji Aktivitas Antioksidan Fraksi N-Heksana Kulit Buah Naga Merah (*Hylocereus lemarirei* Britton dan Rose) Menggunakan Metode DPPH. *Jurnal Mahasiswa Farmasi Fakultas Kedokteran UNTAN.*, 1 (1).
- Chen C, Chen G and Chen W., 2008, Molecular Simulation of Her2/neu Degradation by Inhibiting HSP. *Journal of Chemical Society*, 137(40), 12760-12763.
- Dai, M., Meiyanto, E., and Supardjan, A.M. 2004. *Antiproliferative effect of Pentagamavunon-0 on Myeloma cells.* Yogyakarta. Sains kesehatan FK Universitas Gajdhah Mada.
- Dalimartha S. 2006. *Atlas Tumbuhan Obat Indonesia.* Jakarta. Puspa Swara.

- Dash, GK & Murthy, PN. 2011. Wound Healing Effects of Ageratum conyzoides Linn. India. *Int Journal Pharma Bio Sci*, 2(2), 369-383.
- Dehpour, A.A., Ebrahimzadeh, M.A., Fazel, N.S., dan Mohammad, N.S., 2009, *Antioxidant Activity of Methanol Extract of Ferula Assafoetida and Its Essential Oil Composition*, Iran. Grasas Y Aceites.
- Doble M., Prabhakar K.P., 2008. A Target Based Therapeutic Approach Towards Diabetes Mellitus, *Journal Medicinal Plants*. 4, 291-308
- Departemen Farmakologi dan Terapi., 2008, *Farmakologi dan Terapi Edisi V*. Jakarta. Fakultas Kedokteran UI.
- Departemen Kesehatan RI., 1979, *Farmakope Indonesia Edisi III*. Jakarta. Dirjen POM Departemen Kesehatan RI.
- Departemen Kesehatan RI., 1995, *Farmakope Indonesia Edisi IV*. Jakarta. Dirjen POM Departemen Kesehatan RI.
- Departemen Kesehatan RI., 2000, *Parameter Standard Umum Ekstrak Tumbuhan Obat*. Jakarta. Dirjen POM.
- Departemen Kesehatan RI., 2013, *Laporan Hasil Riset Kesehatan Dasar (RISKESDAS) Nasional*. Jakarta. Dirjen POM.
- Fitriani, A., Winarti, L., Muslichah, S., Nuri. (2011, Januari). Uji Antiinflamasi Ekstrak Metanol Daun Sirih Merah (*Piper crocatum ruis & pav*) pada Tikus Putih: *Majalan Obat Tradisional.*, 16(1), 34-42.
- Foloppe, N., & Chen, I.-J., 2009, *Conformational Sampling and Energetics of Drug-like Molecules*. United Kingdom. Current Medicinal Chemistry.
- Freshney, R.I., 1992, *Animal Cell Culture*. New York. Oxford University Press.
- Galluzzo P and Marino M., 2006, Nutritional flavonoids impact on nuclear and extranuclear estrogen receptor activities. *Journal Genes & Nutrition.*, 1 (3-4), 161-176.
- Gandjar, I.G. & Abdul Rohman., 2007, *Kimia Farmasi Analisis*, Yogyakarta, Pustaka Pelajar.
- Ganiswara., Nafrialdi., 1995. *Farmakologi dan Terapi, Edisi IV*, Jakarta, Fakultas Kedokteran UI.
- Gunawan, D, Mulyani, S., 2004, *Ilmu Obat Alam (Farmakognosi) Jilid I*, Jakarta, Penebar Swadaya.
- Handayani, H., Sriherfyna, F.H., Yunianta., 2016, Ekstraksi Antioksidan Daun Sirsak Metode Ultrasonic Bath (Kajian Rasio Bahan: Pelarut dan Lama Ekstraksi). *Jurnal Pangan dan Agroindustri*.
- Harbone, J.B., 1997, *Metode Fitokimia: Penuntun Cara Modern Menganalisis Tumbuhan, Terbitan Ketiga*. Penerjemah: Padmawinata K, Soediro I. Bandung. ITB.
- Hayati, Nur., Berlianti, Nindha Ayu., 2013, Peningkatan aktivitas dan Hasil Belajar Mahasiswa Universitas Hasyim Asy'ari Melalui Pembelajaran Discovery Terbimbing, *Jurnal Pendidikan Biologi Indonesia*, 2(3), 206-214.
- Heti, Dany., 2008, *Uji Sitotoksik Ekstrak Etanol 70% Herba Sisik Naga (Drymoglossum piloselloides Presl.) terhadap Sel T74D*. Surakarta. Fakultas Farmasi Universitas Muhammadiyah Surakarta.

- Kamboj, A & Saluja, AK., 2011, Isolation of Stigmasterol and  $\beta$ -sitosterol from Petroleum Ether Extract of Aerial Parts of *Ageratum conyzoides* (asteraceae). India. *Int Journal Pharm Sci*, 3(1), 94-96.
- Kartesz, JT., 2012, *Ageratum conyzoides L. Topical Whiteweed*. <http://plants.usda.gov/core/profile?symbol=AGCO> diakses pada 16 Mei 2016.
- Kerem, Z, Shashou, HG & Yarden, O., 2005, Microwave-Assisted Extraction of Bioactive Saponins from Chickpea (*Cicer arietinum* L.). United Kingdom. *Journal Sci Food Agric*.
- Kementerian kesehatan RI., 2014, *Pusat Data dan Informasi*. Jakarta selatan. Dirjen POM.
- Koleva, I., 2002, *Screening of Plant Extract for Antioxidant Activity: A Comparative Study on Three Testing Methods*. Netherlands. Phytochem Anal.
- Korb, O., Stutzle, T., Exner, T.E., 2006, *PLANTS: Application of Ant Colony Optimization to Structure-Based Drug Design*, Springer-Verlag Berlin Heidelberg.
- Kulenova, S., Stefova, M., Stefkov, G., Stafilov, T., 2001, Identification, Isolation, and Determination of Flavones in *Origanum vulgare* from Macedonia Flora, *Journal. Liq. Chrom. & Rel. Technol.*, 24(4), 589-600.
- Laufer, S., 2005, *Isolation , Sturctural Elucidation Quantification and Formulation of Saponins and Flavonoids of the *Glinus Lotoides**. Faculty of Pharmacy. Tubingen. Eberhard Karls University.
- Lenny, S., 2006, *Senyawa Terpenoida dan Steroida*. Medan. Fakultas Matematika dan Ilmu Pengetahuan Alam. Universitas Sumatera Utara.
- Locatelli, M., Gindro, R., Travaglia, F., Coisson, J.D., Rinaldi, M., Arlorio, M., 2009, Study of DPPH-Scavenging Activity: Development of a Free Software for The Correct Interpretation of Data, *Journal of Food Chemistry*, 114(9), 889-890.
- Lusiantika, Linda Ayu., 2015, *Aktivitas Antikanker Fraksi Etil Asetat Daun Bandotan (*Ageratum conyzoides* Linn.) terhadap Cell Line Kanker Kolon Widr*. Yogyakarta. UIN Sunan Kalijaga.
- Mardawati, E; F. Filiany dan H. Marta. 2008. Kajian Aktivitas Antioksidan Ekstrak Kulit Manggis (*Garcinia mangostana* L) Dalam Rangka Pemanfaatan Limbah Kulit Manggis Di Kecamatan Puspahiang Kabupaten Tasikmalaya. *Skripsi*, Fakultas Teknologi Industri Pertanian Universitas Padjadjaran, Bandung.
- Mardika, Dwi A., 2010, Studi Kapasitas Antioksidan Ekstrak Etanol Daun Bandotan (*Ageratum conyzoides*) dengan Ekstraksi Bertekanan Tinggi, *Skripsi*, Fakultas Teknik Universitas Indonesia, Depok.
- Marliana, S.D.; Suryanti, V. dan Suyono. 2005. Skrining Fitokimia dan Analisis Kromatografi Lapis Tipis Komponen Kimia Buah Labu Siam (*Sechium edule* Jacq. Swartz.) dalam Ekstrak Etanol. Surakarta: Jurusan Biologi FMIPA UNS. *Jurnal Biofarmasi* 3 (1): 26-31 ISSN: 1693-2242.

- Melannisa, R., 2004, *Pengaruh PGV-1 Pada Sel Kanker Payudara Yang Diinduksi 17 $\beta$ -Estradiol: Kajian Antiproliferasi, Pemacuan Apoptosis dan Antiangiogenesis*. Yogyakarta. Sekolah Pascasarjana. UGM.
- Mikamo, E., Okada, Y., Semma, M., Itto, Y., Morimoto, T., 2000, Studies on Structural Correlation with Antioxidant Activity of Flavonoids, *Journal Jpn. Soc. Food Sci. Technol.* 7(79), 101.
- Molyneux, P., 2004, The Use of The Stable Free Radical Diphenyl Picrylhydrazyl (DPPH) for Estimating Antioxidant Activity. *Songklanakarin Journal Sci Technol.*, 26 (2), 211-219.
- Mossman, T., 1983, Rapid Colorimetric Assay For Cellular Growth and Survival : Application to Proliferation and Cytotoxicity Assay. Palo Alto, U.S.A. *Journal Of Immunology Methods*, 124(4), 569-577.
- Motiejunas, D., & Wade, R., 2006, *Structural, Energetics, and Dynamic Aspects of Ligand-Receptor Interactions*. In J. B. Taylor & D. J. Triggle (Eds.), *Comprehensive Medicinal Chemistry II Volume 4: Computer-Assisted Drug Design*. Amsterdam. Elsevier.
- Mulyani, N.S., 2013, *Kanker Payudara dan PMS Dalam Kehamilan*. Yogyakarta. Nuha Medica.
- NCI, 2012. *Breast Cancer*. <http://www.cancer.gov/cancertopics/types/breast.html> diakses pada 10 Mei 2016.
- Nahta R, Estefan F., 2006, HER2 Therapy: Molecular Mechanisms of Trastuzumab Resistance. Texas. *Journal Med Plant Res*, 121(32), 17505-17513.
- NCI, 2012, *Cancer Treatment*. <http://www.cancer.gov/cancertopics/treatment.html> diakses pada 10 Mei 2016.
- Ndip, RN, Ajonglefac, AN, Wirna, T, Luma, HN, Wirmum, C & Efange, SMN., 2009, In Vitro Antimicrobial Activity of *Ageratum conyzoides* (Linn) on Clinical Isolates of *Helicobacter pylori*. Tokyo. *Afr Journal Pharm Pharmacol*, 3(11), 585-592.
- Nataru, S., Pulicheria, Y., Gaddala, B., 2014, A review on Medical Plant as a Potential Source for Cancer, *Int. Journal Pharm. Sci. Rev. Res.*, 26(1), 235-248.
- Okuda, T & Ito, H., 2011, Tannins of Constant Structure in Medical and Food Plant-Hydrolyzable Tannins and Polyphenol Related to Tannins. Tokyo. *Afr Journal Pharm Pharmacol*, 16, 2191-2217.
- Okunade, Al., 2002, *Review Ageratum conyzoides L. (Asteraceae)*. Washington DC. Fitoterapia.
- Sanders, C.R., 2010, Biomolecular Ligand-Receptor Binding Studies: *Theory, Practice, and Analysis* dari web [http://structbio.vanderbilt.edu/sanders/Binding\\_Principles\\_2010.pdf](http://structbio.vanderbilt.edu/sanders/Binding_Principles_2010.pdf) di akses tanggal 18 Juni 2017 pukul 00.10 WIB.
- Sastroamidjojo, H., 2002, *Kromatografi*. Yogyakarta. Liberty.
- Schneider, G., & Beringhaus, K.-H., 2008, *Molecular Design: Concepts and Applications*. Germany. WILEY-VCH.
- Singh, B.S., Devi, S.R., Marina., Devi, W.I., Swapana, N., Singh, S.B, 2012, Review Ethnobotany, phytochemistry and pharmacology of *Ageratum*

- conyzoides* Linn (Asteraceae), *Journal of Medicinal Plants Research.*, 7(8), 371-385.
- Soebachman, Agustina., 2011, *7 Kanker Paling Mematikan*. Yogyakarta. Syura Media Utama.
- Sudewo, B., 2009, *Buku Pintar Hidup Sehat Cara Mas Dewo*. Jakarta. PT. Agro Media Pustaka.
- Sukardja, I Dewa Gede., 2000, *Onkologi Klinik edisi 2*. Surabaya. Airlangga University Press.
- Supardjo, Apar., 2016, *Cara Mengobati Kanker Payudara Stadium Awal*. <http://greenworldinternasional.com/cara-mengobati-kanker-payudara-stadium-awal/> diakses pada 20 Mei 2016.
- Stahl, E., 1985, *Analisis Obat secara Kromatografi dan Mikroskopi*. Terjemahan oleh Kosasih P & Iwang S. Bandung. ITB.
- Tjay, T.H., Rahardja, K., 2002, *Obat-obat Penting : Khasiat, Penggunaan, dan Efek-Efek Sampingnya. Edisi VI*. Jakarta. Penerbit PT. Elex Media Komputindo.
- Torres, Luis.G., Velasquez, Angelica., Marco A., Brito, Arias., 2011, Ca-alginate spheres behavior in presence of some solvents and water-solvent mixtures. Mexico. *Inj Advance in Bioscience and Biotechnology*, 2(1), 8-12.
- Patrick, G., 2001, *Instant Notes in Medical Chemistry*. Oxford: BIOS scientific Publisher.
- Prasad, KB., 2011, Evaluation of Would Healing Activity of Leaves of *Ageratum conyzoides* L. Int J of Pharm Pract Drug Res. India. *Inj Pharmacy Practice and Drug Research*, 13(3), 319-322.
- Pranata, R., 2013, Uji Aktivitas Antioksidan Fraksi Kloroform Kulit Buah Naga Merah (*Hylocecerus Lemairei Britton* dan *Rose*) Menggunakan Metode DPPH (1,1-difenil-2-pikrilhidrazil), Skripsi, Universitas Tanjungpura, Pontianak.
- Pringgoutomo, Sudarto., 2002, *Buku Ajar : Patologi I Umum (edisi I)*. Jakarta. Sagung Seto.
- Rahmawati, Kadek., Kurnijasanti, R., Hamid, IS., 2008, Efek Sitotoksik In Vitro dari Ekstrak Buah Mahkota Dewa (*Phaleria macrocarpa*) terhadap Kultur Sel Kanker Meloma, *Journal Penelit. Med. Eksakta.*, 7(1), 48-54.
- Rangari, VD., 2007, *Tannin Countaining Drug*. New Nandanvan. Chaturvedi College of Pharmacy.
- Retno, Handayani Andaru., 2009, *Uji Sitotoksik Ekstrak Petroleum Eter Herba Bandotan (Ageratum conyzoides L.) terhadap Sel T47D dan Profil Kromatografi Lapis Tipis*. Surakarta. Universitas Muhammadiyah Surakarta.
- Robbins dan Kumar., 1999, *Buku Ajar Patologi I Edisi IV*. Jakarta. EGC.
- Widowati, S., (2009, November)., Tepung Aneka Umbi Sebuah Solusi Ketahanan Pangan. Balai Besar Penelitian dan Pengembangan Pascapanen Pertanian, *Tabloid Sinar Tani*.
- Wijayakusuma, H., Dalimartha, S., 1994, *Tanaman Berkhasiat Obat di Indonesia, Jilid II*, Jakarta, Pustaka Kartini.

- Weerapreeyakul N, Nonpunya A, Barusrux S, Thitimetharoch T, Sripanidkulchai B., 2012, *Evaluation of The Anticancer Potential of Six Herbs Against a Hepatoma Cell Line*. Shanghai. Chinese Medicine.
- Zakaria., Mohamed, A.M, Jamil, Mohd., Somchit., Sulaiman & Arifah., 2011, In Vitro Cytotoxic and Antioxidant Properties of The Aqueous, Chloroform and Methanol Extracts of *Dicranopteris Linearis* Leave. Nigeria. *African Journal of Biotechnology*, 10(2), 273-282.
- Zou,Y., Lu,Y. and Wei,D., 2004, Antioxidant Activity of Flavonoid Rich Extract of *Hypericum perforatum L.* in Vitro. China. *Journal Agric Food Chem*, 59(9), 5032-5039.