

DAFTAR PUSTAKA

- Abouantoun, T. 2016. *Cancer cell resistance mechanisms : a mini review*. Clinical and Translational *Oncology*. Lebanese American University : Lebanon.
- Akao, Yukihiro *et. al.* 2008. Anti-Cancer Effect of Xanthones from Pericarps of Mangosteen. 9 355-370. ISSN 1422-0067.
- Aldi, Y. 2016. Uji efek immunomodulator dari ekstrak daun manggis (*Daun manggis*) dengan metode carbon clearance dan menghitung jumlah sel leukosit pada mencit putih jantan. *Jurnal farmasi higeria*. 8(1): 20-31.
- Amir, Ami. 2014. Ekspresi Gen Family Bcl-2 dan Ekspresi Gen Protein Kanal Ion Vdac 1 pada Oligozoospermia Jurnal. *Jurnal FK UNAND*. 3(2): 123-127.
- Anggorowati, Dwi Ana *et al.* 2016. Potensi Alpukat (*Persea Americana* Miller) sebagai minuman the herbal yang kaya antioksidan. *Industri Inovatif*. 6(1): 1-7.
- Arifin B dan Sanusi I. 2018. Srukrur Bioaktivitas dan antioksidasi flavaboid. *Jurnal zarah*. 6(1): 21-29.
- Arung *et al.* 2019. Phenylated flavonoid sebagai senyawa anti kanker yang berpote si. *CDK 167*. 36(1): 20-22.
- Balunas M. J. *et al.* 2008. Xantons from Botanical Dietary Supplement Mangosteen (*Daun manggis*) with aromatase inhibitory activity. *J. Nat. Prod.* 71(7): 1161-1166.
- Batlayar *et. al.* 2009. Kajian Kimiawi Santon dan Uji Antimalaria dari Kulit Batang *Garcinia cylindrocarpa* Katern. Institut Tinggi Surabaya : Surabaya.
- Bray, F. *et al.* 2018. Global Cancer Statistics 2018: GLOBOCAN Estimates of Incidence and Mortality Worldwide for 36 Cancers in 185 Countries. WHO : United States.
- CCRC. 2019. Uji Sitotoksik metode MTT. *Cancer Chemoprevention Research Center Fakultas Farmasi UGM*.
- CCRC. 20212. Peran Mitokondria dalam apoptosis. Cancer Chemoprevention Research Center. <https://ccrc.farmasi.ugm.ac.id/?p=2551>. Diakses pada Senin 03 Agustus 2020 pada pukul 12.43 WITA.
- Chaveri, J. P. *et al.*. 2008. Medicinal Properties of mangosteen (Daun manggis) Elsevier Food and Chemical Toxicology : Mexico.
- Cholid Badri. 2006. Penanggulangan Kanker di Indonesia : Peran Nanotechnology dalam diagnosis dan terapi. *Jurnal sains materi Indonesia*. ISSN : 1411-1098 11-14.
- Cunha, B. L. A. *et al.* 2014. Evaluation of antimicrobial and antitumoral activity of *Garcinia mangostana* L(mangosteen) grown in Southeast Brazil. *Acta Cirurgica Brasileira* : Brazil.

- Dewatisari, W. F. *et al.* 2017. Rendemen dan Skrinning pada Ekstrak Daun *Sansevieria* sp. Jurnal Penelitian Terapan. 17(3): 197-202.
- Diniatik, S *et al.* 2015. Uji antioksidan ekstrak etanol daun dan kulit batang manggis (*Daun manggis*). *Pharmaciana*. 6(1): 21-30.
- Fausto N *et al.* 2018. Role of growth factors and cytokines in hepatic regeneration. *The FASEB journal*. 9:1527-1536.
- Fauza *et al.* 2019. Faktor yang berhubungan dengan deteksi dini kanker rahim metode IVA di puskesmas kota padang, *Jurnal Promosi kesehatan Indonesia*. 14(1):68-80.
- Febrina, D. dkk. 2018. Pharmacological Activity *Garcinia mangostana* Linn : A Review. *International Journal of Current Medical Sciences*. Indonesia.
- Fitria, M. *et al.* 201. Ekstrak etanol herba ciplukan (*physalis unguolata L.*) berefek sitotoksik dan menginduksi apoptosis pada sel kanker payudara MCF-7. *Jurnal ilmu – ilmu hayati dan fisik*. 13(2): 101 – 107.
- FOC. 2000. *Garcinia nuajingensis*. http://www.exploras.org/florataxon.aspx?flora-id-2&taxon_id-20001479/. Diakses pada senin 03 agustus 2020 pada pukul 09.52 WITA.
- Grasso *et al.* 2012. The Multinational Landscape of Lethal Castration-Resistant Prostate Cancer. *Nature* 487(7406): 239-243.
- Han, Ah-reum *et. al.* 2009. Cytotoxic Xanthone Constituents of Stem Bark of *Garcinia mangostana* (*Mangosteen*). *NIH Public Acces*. 72(11): 2028-2031.
- Harborne, J. B. 1987. Metode fitokimia. Penuntun Cara Modern Menganalisis Tanaman. Edisi IV. Ibrahim F., penerjemah : Jakarta : Universitas Indonesia. Hlm 147-151 ; 234-236.
- Harlon, Syair. 2012. Tannaman manggis. Badan Penelitian Tanaman Buah Tropika (Balitbu Tropika) : Jakarta : Kementrian Pertanian.
- Haryanti, Sari. dkk. 2017. Aktivitas Sitotoksik ekstrak air dan etanol kulit manggis (*Garcinia mangostana L.*) pada beberapa model sel kanker. Vol. 10, No. 1. Kementrian Kesehatan RI.
- Hau *et. al.* 2012. Cytotoxic tetraoxygenated xanthones from the bark of *Garcinia schomburgkiana*. Elsevier. 5(2012): 553-557.
- Hemann, M.T., Lowe S.W., 2006, The p53-Bcl-2 connection, *Cell Death and Differentiation* 13: 1256-1259.
- Ibrahim. M. Y. *et al.* 2016. A-Mangostin from *Daun manggis* an updated review of its pharmlological properties. *Arabian journal of chemistry*. 9: 317 – 329.

- Ilhami, Fajar Y *et al.* 2013. Uji Efek Sitotoksik Hasil Fraksinasi Ekstrak Etanol Akar Asam Kandis (*Garcinia cowa* Roxb.) Terhadap Sel Kanker Payudara T47D dengan Metode MTT. Prosiding Pelayanan Kefarmasian & Herbal Medicine Hal 71-77. ISSN 2339-2592.
- Irwan, Azidi *et al.* 2007. Uji Aktivitas Ekstrak Saponin Fraksi n-butanol dari Kulit Batang Kemiri (*Aleurites moluccana* WILLD) pada Larva Nyamuk *Aedes aegypti*. Sains dan Terapan Kimia. 1(2): 93-101.
- IUCN. 2015. *Garcinia cantleyana*. The IUCN Red Line of Threatened Species. ISSN 2307-8235.
- Izzati N. Net *et al.* 2012. Aktivitas Antioksidan Ekstrak Perasan Daun Manggis (*Daun manggis*) Berdasarkan metode DPPH (2,2 Phenyl-phytyl hidrazil). *Pharmacy* 9(3): 111-121.
- Jindarat, Sarawut. 2014. Xantons from mangosteen (*Daun manggis*) : Multi targetin Pharmacological Properties. *J. Med Assoc Thai*. 97(2): 196-201.
- Jing J. Wang *et al.* 2011. Cytotoxic effect of xantons from pericarp of tropical fruit mangosteen (*daun manggis*) on human melanoma cells. *Food and chemical toxicology*. 49:2381-2391.
- JIRCAS. 20019. *Garcinia cowa* Roxb. <http://www.jircas.go.jp/en/database/secondarytreelaos/garcinia-cowa-roxb/>. Diakses pada senin 03 agustus 2020 pukul 09.25 WITA.
- Jisun, Ohet *et al.* 2016. Therapeutic effectiveness of anticancer phytochemicals on cancer stem cells. *Toxins*. 8:199- 210.
- Jumlarni W. O. dan Komalasari O. 2017. Eksplorasi Jenis dan Pemanfaatan Tanaman Obat pada Masyarakat Suku Muna di Pemukiman Kota Wuna. *Traditional medicine Journal*. 22(1): 45-56.
- Kaekannakam *et al.* 2015. Kaennacowanols A-C, three new xanthones and their cytotoxicity from the roots of *Garcinia cowa*. *Sciencedirect Elsevier*. 102 (2015): 171-176.
- Kemenkes RI. 2010. Kepmenkes RI Nomor 796/MENKES/SK/VII/2010 tentang Pedoman Kanker Payudara dan Kanker Leher Rahim. Jakarta: Kemenkes RI.
- Kementrian Kesehatan Badan Penelitian dan Pengembangan Kesehatan. 2018. Hasil Utama Riskesdas 2018. Kementrian Kesehatan Indonesia : Indonesia.
- Komite Penanggulangan Kanker Nasional. 2019. Panduan Penatalaksanaan Kanker Rahim. Kementrian Kesehatan Republik Indonesia : Indonesia.
- Kusyanadi Andriet. *al.* 2018. The effect of solvent and extraction time on total xanton and antioxidant yields of mangosteen peel (*Daun manggis*) extract. Yogyakarta : Gajah Mada University.

- Laela H. N. 2011. Uji Sitotoksik, antipoliperatif, dan pengaruhnya terhadap ekspresi p53 dan BC12 dari fraksi etanol infusa daun the (*Camellia sinensis*(L.) O.K.) terhadap sel *HeLa*. *Majalah obat tradisional*. 16(1): 14 – 21.
- Larasati, Sarmoko. 2011. Regulasi Siklus Sel. *Cancer Chemoprevention Research Cancer*.
- Luo M, Liu Q, He M, Yu Z, Pi R, Li M, Yang X, Wang S, Liu A. 2017. Gartanin induces cell cycle arrest and autophagy and suppresses migration involving PI3K/Akt/mTOR and MAPK signaling pathway in human glioma cells. *Journal of Cellular and Molecular Medicine*.
- Magallanes, Ovale *et al.* 2017. Medicinal Properties of Mangosteen (Daun manggis) : A comprehensive update. *Food and Chemical Toxicology*.
- Manasombat *et. al.* 2012. Antimicrobial and Antioxidant Activiteies of Thai Local Fruit Extract : Application of Selected Fruit Extract, *Phyllanthus emblica* Linn. As a Natural Preservative in Raw Ground Pork During Refrigerated Storage. *TOJSAL : The Online Journal of Science and Technology*. 2(2012): 1-6.
- Marks, D. B. 2004. Pengaturan Ekspresi Gen. *Biokimia Kedokteran Dasar*. Jakarta : Buku Kedokteran EGC.
- Matsuura, Nobuyasu *et. al.* 2013. γ – mangostin from *Garcinia mangostana* L. Pericarps as a Dual Agonist That Activates Both PPAR α and PPAR δ . *Biosci, Biotechnical* 77(12): 2430-2435.
- Meechai *et. al.* 2016. Antioxidant Properties and Phytocemical Content of *Garcinia schomburgkiana* Pierre. *Journal of Applied Pharmaceutical Science* 6(06): 102-107.
- Milena, D. Deljanin. dan Mira H. Vukovic. 2016. Pharmacoepidemiological Analysis of Statins Dispensing Pattern in Pharmacy Practice – Profile and Side Effect. *Hospital Pharmacology*. 3(1): 354-360.
- Muchtaridi M, Afiranti FS, Puspasari PW, Subarnas A, Susilawati Y. 2018. Cytotoxicity of Daun manggis pericarp extract, fraction, and isolat on HeLa cervical cancer cells. *Journal of Pharmaceutical Sciences and Research* 10:348–351.
- Nurani, L.H. 2011. Uji Sitotoksitas, Antipoliferatif, dan Pengaruhnya terhadap Jumlah protein 53 dan BCI2 dari fraksi etanol infusa daun the (*Camellia Sinensis* (L.) O.K.) terhadap sel HeLa. *Majalah Obat Tradisional* 16 (1). Fakultas Farmasi Universitas Ahmad Dahlan : Yogyakarta.
- Oblolksiy, Dmitry. 2009. *Daun manggis* : A. Phytochemical and Pharmacological Review. *Phytotherapy research*. 23: 1047-1065.
- Puspitasari, Endah *et al.* 2015. Uji aktivitas sitotoksik ekstrak n-heksana, diklometana dan methanol daun belunta (*Pludheae Indica* Less.) terhadap sel kanker leher rahim (HeLa). *Journal of Pharmaceutical Science and Pharmacy Practice*. 2(1): 41 – 45.

- Rahardhian, M.R.R. 2018. Uji Sitotoksik dan Antiproliferasi Ekstrak Eter Daun Binahong (*Andredera cordifolia* (Tenore). Steen.). Terhadap Sel Hela. Media Farmasi Indonesia Vol 13 No. 1. Fakultas Farmasi Universitas Ahmad Dahlan : Yogyakarta.
- Riski, Muhammad Z. dan Amalia, Riezky. 2018. Artikel Tinjauan : Anti Kanker dari Tanaman Herbal. *Farmaka : Suplemen*. 16(1): 15-23.
- Rivanti, Erlina *et. al.* 2012. Ethanolis Extract of Mangosteen (*Garcinia mangostana*) Peel Inhibits T47D and HeLa Cells Line Proliferation Via Nf- κ B Pathway Inhibition. 3(2): 391-397. ISSN 2088-0197.
- Sari, Liza. 2018. Apoptosis : Mekanisme molekuler kematian sel. Cakradanya Dental Journal. 10(2): 65-70.
- Shadid *et. al.* 2007. Cytotoxic caged-polyprenylated xanthonoids and a xanthone from *Garcinia cantleyana*. Sciencedirect Elsevier. 68(2007): 2537-2544
- Shan, T. *et al.* 2011. Xantons from Mangosteen Extracts as Natural Chemopreventive Agents : Potential Anticancer Drugs. *Bentham Sciences Publishers*. 11: 666-677.
- Suhaenah A.S. dan Siska N. Skrinning pitolamia ekstrak jamur kancing (*Agancus bisporus*). Journal fitofarmaka Indonesia. 4(1): 199-204.
- Sukandar *et. al.* 2015. Cylindroxanthonones A-C, three new xanthonones and their cytotoxicity from the stem bark pf *Garcinia cylindrocarpa*. Sciencedirect Elsevier. 108(2016): 62-65.
- Suksamran, S. 2006. Cytotoxic Prenylated Xantons from the Young Fruit *Daun manggis* Chemical Pharmacyn : Japan.
- Sumadi, wayan J dan Nyoman adipura. 2020. Peranan p53 dalam perkembangan dan prognosis osteosarcoma : tinjauan pustaka. DiscoverSys 11(1): 41-46. P-ISSN: 2503-3638. E-ISSN : 2089-9084.
- Sweeney, Patrick. 2005. Mangosteen Madness. Missouri Botanical Garden. University of Missouri : Missouri.
- Utami, Sri. 2007. Peran Kaspase pada Apoptosis sebagai Salah Satu Usaha dalamKemoterapi Kanker. 7(1): 91-97.
- Wagner, H., Bladt dan Zgainski, E.M. 1996. Plant Drug Analysis. New York : Springer-Verlag Berlin Hiedelberg. Halaman 23-26.
- Wardhani L. K. dan Nanik S. 2012. Uji aktivitas antibakteri ekstrak etil etil asetat daun binahong (*Ariredera Scandens L.*) Moq.) Terhadap *Shigella flexrieri* beserta profil kromatografi lapis tipis. *Jurnal ilmiah kefarmasian*. 2(1):1-8.

- Widodo, N. 2007. Isolasi dan Karakterisasi Senyawa Alkaloid yang Terkandung dalam Jamur Tiram Putih (*Pleurotus ostreatus*). Skripsi. Semarang : FMIPA Universitas Negeri Semarang.
- Wulandari, Lestyo. 2011. Pengantar Kromatografi Lapis Tipis. Kromatografi Lapis Tipis. PT. Taman Kampus Presindo : Jember.
- Xu, Yu Chen. 2013. *Garcinia xiphuabannaensis*. FPCN Frontline of Protecting an Antonishing Collection of Flora and Fauna. <https://www.fpcn.net/view.php?aid=1946>. Diakses pada senin 03 agustus 2020 pad pukul 08.43 WITA.
- Yanzhoa *et.al.* 2000. Characterization of Polypenulated Xanthonesis *Garcinia xipshuanbannaesnsis* using liquid Chromatography Coupled with Electrosprayionization Quadrupole Time of Flight Tandemmase Spectrofotometry. Elsevier. 206 (2008): 131-139.
- Yuri, Aldi. *et al.* 2014. Uji Efek Immunostimulasi ekstrak etanol herba ciplukan (*Physalis angulata* L.) terhadap aktivitas dan kapasitas fagositosis sel makrofag pada mencit putih betina. *Scientia*. 4(1): 38 – 42.
- Zahan, Nishat. 2013. Distribution and Biological Activity Antioxidant and Antimicrobial Investigations of Methanol Extract od *Garcinia cowa*. East West University : Dhaka.
- Zhang Li *et, al.* 2016. Nujiangexanthone A, a novel compound from *Garcinia nujiangensis* surpresses cervical cancer growth by targeting hnRNPK. Sciencedirect Elsevier. 9(2016): 1-10.
- Zhang, Chunlong *et. al.* 2019. The nuclear export of TR3 mediated gambogic acid-induced apoptosis in cervical cancer cells through mitochondrial dysfunction. The Royal Society of Chemistry. 9 (2019): 11855-11864.
- Zhang, Li *et. al.* 2016. Nujiangexanthone A, a Novel Compound Derived from *Garcinia nujiangensis*, induces caspace-dependent apoptosis in cervical cancer through the ROS/JNK Pathway. Molecules. 21(2016): 1-13.
- Zhanghua, Fucha.n. Reversion of resistance to ciplatin by MG132 In Cervical Cancer Line HCE-1 Multicellular Species. 3(1): 134-142.
- Zhen, Li. 2017. The Rule of RUNX3 in Cervical Cancer Cells In Vitro. *Oncology Letters*. 15(2018): 8729-8734.
- Zhongho, Liu *et al.* 2014. The effect of gartanin, a naturally occurring xanton in mangosteen juice, on the mTOR pathway, autophagy, apoptosis, and the growth of human urinary bladder cancer cell lines. *Nutition and Cancer*. Halaman 16-01.