

DAFTAR PUSTAKA

- Abdul Wahab, S.M., Jantan, I., Haque, M., & Arshad, L. 2018. Exploring the leaves of *Annona muricata* L., as a source of potential anti-inflammatory and anticancer agents. *Frontiers in pharmacology*, 9:661.
- Ab Rahman, H.S., Wan-Ibrahim, W.S., Ismail, N., Ismail, T.N.N.T., Mohd-Salleh, S.F., Wong, M.P.K., & Hashim, M.N.M. 2018. Phytocompounds of *Annona muricata* leaves extract and cytotoxic effects on breast cancer cells. *Asian Pacific Journal of Tropical Medicine*, 11 (12), 659.
- Agu, K.C., Okolie, N.P., Falodun, A., & Engel-Lutz, N. 2018. In vitro anticancer assessments of *Annona muricata* fractions and in vitro antioxidant profile of fractions and isolated acetogenin (15-acetyl guanacone). *Journal of Cancer Research and Practice*, 5(2), 53-66.
- Anggrianti, P. 2008. Uji Sitotoksik Ekstrak Etanol 70% Buah Kemukus (*Piper cubeca* L.) Terhadap sel HeLa. [Skripsi]. Surakarta: Fakultas Farmasi, Universitas Muhammadiyah Surakarta.
- Berek, J.S., dan Natarajan, S. 2007. Ovarian and Fallopian Tube Cancer, in: *Berek & Novak's Gynecology*. 14th. Ed. California: Lippincott William & Wilkins. p.1457-1531.
- Brunner dan Suddarth. 2002. *Buku Ajar Keperawatan Medikal Bedah*. Edisi 8. Jakarta: EGC.
- Corwin, E.J. 2009. *Buku Saku Patofisiologi*. Edisi III. Subekti N.B., penerjemah. Jakarta: Penerbit Buku Kedokteran. Terjemahan dari : *Handbook of Pathophysiology*.
- Daddiouaissa, D., Amid, A., Kabbashi, N.A., Fuad, F.A., Elnour, A.M., & Epany, M.A. 2019. Antiproliferative activity of ionic liquid-graviola fruit extract against human breast cancer (MCF-7) cell lines using flow cytometry techniques. *Journal of ethnopharmacology*, 236, 466-473.
- Darmono. 2012. *Toksikologi Genetik: Pengaruh, Penyebab dan Akibat Terjadinya Penyakit Gangguan Keturunan*. Jakarta: UI-Press. Hlm 180-181.
- Dewi, A.S. 2009. Pengembangan *Drug Discovery* Dari Bahan Alami Laut Untuk Imunoterapi Kanker. *Squalen*. 4(3):105-111.
- Dipiro, J.T. 2005. *Pharmacotherapy*, 6th Edition, New York: Appleton and Lange.

- Elmore, S. 2007. Apoptosis: A Review of Programmed Cell Death. *Toxicologic Pathology*. 35(4): 495-516.
- Fatma, S.W., Suci. S., Yulfri, A. 2011. Uji Efek Sitotoksik Ekstrak Etanol Kulit Buah Asam Kandis (*Garcinia cowa*Roxb.) Terhadap Sel Kanker Payudara T47D Dengan Metode MTT *assay*. *J Sains Tek Far* (16): 209-215.
- Fatmawati, D., Suparmi, S., Yusuf, I., & Isradji, I. 2018. Selektivitas Antikanker Ekstrak Daun Sirsak (*Annona muricata*) Pada Lini Sel Kanker Payudara. *BIO-SITE/ Biologi dan Sains Terapan*, 4(2), 78-83.
- Febriani, D., Mulyanti, D., Rismawati, E. 2015. *Karakterisasi Simplisia dan Ekstrak Etanol Daun Sirsak (Annona muricata Linn)*.
- Fetsch, P.A. 2005. Immunocytochemistry. In *Medical Biomethods Handbook* (pp. 555-571). Humana Press.
- Fitria, M., Armandari, I., Septheaa, D.B., Ikawati, A.H.M., Meiyanto, E. 2011. Ekstrak Etanolik Herba Ciplukan (*Physalis angulata L.*) Berefek Sitotoksik dan Menginduksi Apoptosis Pada Sel Kanker Payudara MCF-7. *Jurnal Ilmu-Ilmu Hayati dan Fisik* (13) : 101 -107.
- Fitriatuzzakiyyah, N., Rano, K.S., Irma, M.P. 2017. Terapi Kanker Dengan Radiasi : Konsep Dasar Radioterapi dan Perkembangannya di Indonesia. *Jurnal Farmasi Klinik Indonesia* 6:311-320.
- Fofana, S., Ziyaev, R., Abdusamatov, A., and Zakirov, S.K. 2011. Alkaloids from *Annona muricata* leaves. *Chem Nat Compd*. 47, 321–321. Doi : 10.1007/s10600-011-9921-5.
- Foster, J.S., Henley, D.C., Ahamed, S., Wimalasena, J. 2001. Estrogens And Cell Regulation in Breast Cancer. *TRENDS in Endocrinology & Metabolism* 12: 320-327.
- Fraenkel, J.R., Wallen, N.E., Hyun, N.H. 2012. Internal Validity. How to Design and Evaluate Research in Education. *New York: Mc Graw-Hill*, 166-83.
- Freshney, R.I. 2000. *Culture of Animal Cells : A Manual of Basic Technique*. New York : John Willey & sonc. Inc Publication.
- Gagliano, N., Celesti, G., Tacchini, L., Pluchino, S., Sforza, C., Rasile, M. 2016. Epithelial-to-mesenchymal Transition in Pancreatic Ductal Adenocarcinoma: Characterization in a 3D-cell culture model. *World J. Gastroenterol*, 22(28): 4466-4483.

- Gavamukulya, Y., Abou-Ellella, F., Wamunyokoli, F., & El-Shemy, H. 2014. Skrining Fitokimia, Aktivitas Antioksidan dan Potensi Antikanker *in vitro* Ekstrak Etanol dan Air Daun *Annona muricata* (Graviola). *Jurnal Pengobatan Tropis Asia Pasifik*, 7, S355-S363.
- Gillespie, R.J., dan Paul. 2001. *Chemical Bonding and Molecular Geometry*. London: Oxford University Press.
- Hanahan, D., Weinberg, R.A. 2000. *The Hallmarks of CancerCell*. 100: 57-70.
- Haryoto, Muhtadi, P., Indrayudha, Tanti, A., Andi, S. 2013. Aktivitas Sitotoksik Ekstrak Etanol Tumbuhan Sala (*Cynometra ramiflora* Linn) Terhadap Sel HeLa, T47D, dan Widr. *Jurnal Penelitian Saintek* 18(2):21-28.
- Heits, N., Heinze, T., Bernsmein, A., Kerber, J., Hauser, C., Becker, T. 2016. Influence of mTOR Inhibitors and Mycophenolic Acid on Human Cholangiocellular Carcinoma and Cancer Associated Fibroblasts. *BMC Cancer*, 16:322.
- Hernawati, S., Fedik, A.R., Ketut, S., Retno, P.R. 2013. Efek Ekstrak Buah Delima (*Punica granatum* L) Terhadap Ekspresi *wild p53* Pada Sel Ganas Rongga Mulut Mencit *Strain Swiss Webster*. *Dental Journal* 46(3):148-151.
- Heti, D. 2008. Uji Sitotoksik Ekstrak Etanol 70% Herba Sisik Naga (*Drymoglossum piloselloides* Presl.) Terhadap Sel T47D. [Skripsi]. Surakarta : Fakultas Farmasi, Universitas Muhammadiyah Surakarta.
- Ibrahim, A., Sandhika, W., Budipramana, V.S. 2020. Uji Efektifitas Ekstrak Etanol Daun *Annona muricata* Terhadap Sel Kanker Payudara MCF-7. *Jurnal Manajemen Kesehatan Yayasan RS. Dr Soetomo*, Vol.6 No. 1 April 2020.
- International Agency for Research on Cancer. 2018. World Health Organization. GLOBOCAN 2008. *Cancer incidence, mortality and prevalence worldwide*. IARC, WHO, 2010.
- Istindah, H.N., Auerkari, E.I. 2001. Mekanisme Kontrol Siklus Sel (Suatu Tinjauan Khusus Peran Protein Regulator Pada Jalur Retinoblastoma (Rb)). *JKGUI* 8(1):39-47.
- Jacobo-Herrera, N., Pérez-Plasencia, C., Castro-Torres, V.A., Martínez-Vázquez, M., González-Esquinca, A.R., & Zentella-Dehesa, A. 2019. Selective Acetogenins and Their Potential as Anticancer Agents. *Frontiers in Pharmacology*, 10(July), 1–12. <https://doi.org/10.3389/fphar.2019.00783>

- Jamalidoust, M., Ravanshad, M., *et al.* 2016. Construction of AAV-rat-IL4 and Evaluation of its Modulating Effect on A₁(1-42)-Induced Proinflammatory Cytokines in Primary Microglia and the B92 Cell Line by Quantitative PCR Assay. *Journal of Microbiology*,9(3):e30444.
- Jasmin, S., & Harindran, J. 2015. Cytotoxic Evaluation of Microwave Assisted Ethanolic Extract of *Annona muricata* Leaves. *Asian Journal of Pharmaceutical and Health Sciences*, 5(4).
- Katno, P.S., Prapti, I.Y., Rahmawati, N., Mujahid, R. 2008. Tingkat Manfaat, Keamanan dan Efektivitas Tanaman Obat dan Obat Tradisional. *Balai Peneliti Tanaman Obat Tawangmangu*.
- [Kemenkes RI] Kementerian Kesehatan Republik Indonesia. 2013. *Suplemen III Farmakope Indonesia*. Edisi I. Jakarta: Kementerian Kesehatan Republik Indonesia. Hlm 106-107.
- [Kemenkes RI] Kementerian Kesehatan Republik Indonesia. 2016. Oktober 2016 Bulan Peduli Kanker Payudara. *Infodatin*.
- Kitchenham, B., Charters, S. 2007. Guidelines for Performing Systematic Literature Reviews in Software engineering version 2.3. Engineering, 45(4ve), 1051.
- Kumar, V., Abbas, A.K., Aster, J.C. 2013. Neoplasia. *Dalam Buku Ajar Patologi Robbins*. Edisi 9, Elsevier Saunders.hlm 155.
- Kupcsik, L., dan Stoddart, M.J. 2011. *Mammalian Cell Viability: Methods and Protocols*. New York: Humana Press. Hal. 13-18.
- Kurnijasanti, R., Hamid, S.I., Rahmawati, K. 2008. Efek Sitotoksik In Vitro dari Ekstrak Buah Mahkota Dewa (*Phaleria macrocarpa*) Terhadap Kultur Sel Kanker Mieloma J. *Peneliti Eksakta* 7:48-54.
- Lans, C.A. 2006. Ethnomedicines Used in Trinidad and Tobago for Urinary Problems and Diabetes Mellitus. *Journal of Ethnobiology and Ethnomedicine* 2:45-55.
- Leboeuf, M., Caré, A., Tohami, M.E., Pusset, J., Forgacs, P., and Provost, J. 1982. Alkaloids of Annonaceae. XXXV. alkaloids of *Desmos tiebaghiensis*. *J Nat Prod.* 45. 617–623. doi: 10.1021/np50023a017.
- Lulu, A.A., Ana, I., Amin, T.K. 2015. Upaya Perpustakaan Mengurangi Plagiarisme Pada Karya Ilmiah Mahasiswa. *Jurnal Ilmu Perpustakaan Fakultas Ilmu Budaya Universitas Diponegoro* 4(3): 1-13.

- Mangan, Y. 2009. *Solusi Sehat Mencegah dan Mengatasi Kanker*. Agromedia Pustaka, Jakarta, hal. 22-24.
- Meiyanto, E. dan Supardjan, A.M. 2002. Efek Antiproliferatif Pentagaavunon O Terhadap Beberapa Sel Kanker. *Jurnal Kedokteran Yarsi*, 15(2), 075-079.
- Meiyanto, E., Susidarti, R.A., Handayani, S., Rahmi, F. 2008. Ekstrak Etanolik Biji Buah Pinang (*Areca catechu* L.) Mampu Menghambat Proliferasi dan Memacu Apoptosis Sel MCF-7. *Majalah Farmasi Indonesia*. 19 (1) : 12-19.
- Meizarani, A., Elly, M., Prijawan, R. 2005. Sitotoksisitas Bahan *Restoras Cyanoacrylate* Dengan Variasi Perbandingan Powder dan Liquid Menggunakan MTT assay. *Jurnal Penelitian Medika Eksakta* 6:16-25.
- Miles, B., Mathew, dan Michael Huberman. 1992. *Analisis Data Kualitatif Buku Sumber Tentang Metode-metode Baru*. Jakarta: UIP.
- Muhamed, S., Pihie, A.H.L., Latif, J., Rha, C., dan Sambandan T.G. 2011. Induction of apoptosis in MCF-7 via the Caspase pathway by longilactone from *Eurycoma longifolia* Jack. *Research In Pharmaceutical Biotechnology*. Vol.3 (1). pp.1-10.
- Mustarichie, E., Udin, Z., Levita, J., Musfiroh, I., Zulfricar I. 2011. Activity of Leaf Extracts of *Coix lachryma* Linn. and *Asparagus cochinchinensis* Linn. as Breast Anticancer Drugs. *MHSJ* 9: 47-57.
- Najmuddin, S.U.F.S., Romli, M.F., Hamid, M., Alitheen, N.B., & Abd Rahman, N.M.A.N. 2016. Anti-cancer effect of *Annona muricata* Linn Leaves Crude Extract (AMCE) on breast cancer cell line. *BMC complementary and alternative medicine*, 16(1), 1-20.
- Nazir, M. 2011. *Metode Penelitian*. Jakarta: Ghalia Indonesia.
- Nurhayati, S., Lusiyanti, Y. 2014. Apoptosis dan Respon Biologik Sel Sebagai Faktor Prognosa Radioterapi Kanker. *Buletin Alara*, 7(3).
- Orwa, C., Mutua, A., Kindt, R., Jamnadass, R., Simons, A. 2009. *Agroforestry Database: a tree reference and selection guide version 4.0*.
- Pardhasaradhi, B.V., Reddy, M., Ali, A.M., Kumari, A.L., dan Khar, A. 2004. Antitumor activity of *Annona squamosa* seed extractis through the generation of free radicals and induction apoptosis. *Indian J Biochem Biophys*. 41(4). 167-72.

- Phaza, Ahmad Eka Ramadhan, dan Haries Aprival. 2010. *Pengaruh Konsentrasi Etanol, Suhu dan Jumlah Stage pada Ekstraksi Oleoresin Jahe (Zingiber Officinale Rose) Secara Batch*. Semarang: Tugas Akhir Teknik Kimia UNDIP.
- Propst, C.N., Pylypko, S.L., Blower, R.J., Ahmad, S., Mansoor, M., Hoek, M.L. 2016. Francisella Philomiragia Infection and Lethality in Mammalian Tissue Culture Cell Models, Galleria Mellonella, and BALB/c Mice. *Frontiers in Microbiology*, 7:696.
- Purwaningsih, E. 2014. Pemendekan Telomer dan Apoptosis. *Jurnal Kedokteran Yarsi* 22 (2) : 132-141.
- Putri, L. 2013. *Uji Toksisitas Ekstrak Bunga Sirsak (Annona muricata L) dengan Metode BSLT (Brine Shrimp Lethaly Test) dan Identifikasi Golongan Senyawa Aktifnya*. Malang: Universitas Islam Negeri Maulana Malik Ibrahim Malang Press.
- Rachmani, E.P.N., Suhesti, T.S., Widiastuti, R., & Aditiyono, A. 2013, November. Cytotoxic Effects of Methanol Extracts of Soursop Leaves (*Annona muricata*) on MCF-7 Cell Line and Its Effect on Expression of *Bcl-2*. In *ASEAN/Asian Academic Society International Conference Proceeding Series*.
- Renidayati. 2016. Penurunan Stres Fisik dan Psikososial Pasien Pre-operasi Bedah Onkologi Melalui Meditasi Terapi di Salah Satu Rumah Sakit di Kota Padang. *Ners Jurnal Keperawatan* 12(1):38-47.
- Rohanova, D., Boccaccini, A.R., Horkavcova, D., Bozdechova, P., Bezdicka, P., Castoralova, M. 2014. Is Non-buffered DMEM Solution a Suitable Medium For *in vitro* Bioactivity Tests?. *Journal of Materials Chemistry B*, 2: 5068- 5076.
- Shamas-Din, A., Kale, J., Leber, B., & Andrews, D.W. 2013. Mechanisms of action of *Bcl-2* family proteins. *Cold Spring Harbor perspectives in biology*, 5(4), a008714.
- Sawant, T.P., R.S. Dongre. 2014. Bio-chemical compositional analysis of *Annona muricata*: A miracle fruit's review. *International Journal of Universal Pharmacy and Bio Sciences*. Vol. 3(2): 82-104.
- Schafer, J.M., Lee, E.S., O'Regan, R.M., Yao, K., Jordan, V.C. 2000. Rapid Development of Tamoxifen-Stimulated Mutant p53 Breast Tumors (T47D) in Athymic Mice. *Clinical Cancer Research*. 6: 4373-4380.

- Simstein, R., Burow, M., Parker, A., Weldon, C., & Beckman, B. 2003. Apoptosis, chemoresistance, and breast cancer: insights from the MCF-7 cell model system. *Experimental biology and medicine*, 228(9), 995-1003.
- Sirait, P.S., Setyaningsih, I., Tarman, K. 2019. Aktivitas Antikanker Ekstrak Spirulina Yang Dikultur Pada Media *Walne* dan Media Organik. *Jurnal Pengolahan Hasil Perikanan Indonesia*. 22:50-59.
- Staerk, D., Lykkeberg, A.K., Christensen, J., Budnik, B.A., Abe, F., and Jaroszewski, J.W. 2002. In Vitro Cytotoxic Activity of Phenanthroindolizidine Alkaloids from *Cynanchum vincetoxicum* dan *Tylophora tanakae* against Drug-Sensitive dan Multidrug Resistant Cancer Cells. *J. Nat. Prood*, 65, 1299-1302.
- Sugiyono. 2015. *Metode Penelitian Kuantitatif Dan Kualitatif dan R&D*. Cetakan ke-22. Bandung: Alfabeta.
- Suhendar, U. 2018. Geographycal effect on the cytotoxic activity of *Annona muricata* L. leaves ethanol extract against MCF-7 cancer cell. *Jurnal Ilmiah Fitofarmaka*, 8(2), 1-8.
- Sunarjono, H. 2005. *Sirsak Srikaya*. Bogor: Penerbit Swadaya.
- Teagle, A.R., Birchall, J.C., Hargest, R. 2016. Gene Therapy for Pyoderma Gangrenosum: Optimal Transfection Conditions and Effect of Drugs on Gene Delivery in the HaCat Cell Line Using Cationic Liposomes. *Skin Pharmacology and Physiology*, 29:119-129.
- Triputra, J. 2016. Uji Sitotoksik Ekstrak Etanol Daun Sirih Merah (*Piper crocatum* Ruiz & Pav) Pada Sel Kanker Kolon WiDr. [Skripsi]. Surakarta: Fakultas Farmasi, Universitas Setia Budi.
- Torosian, M.H. 2002. *Breast Cancer: A Guide to Detection and Multidisciplinary Theraphy*. New Jersey: Humana Press. Halaman 5-9.
- Widowati, L. & Mudahar, H. 2009. Uji Aktivitas Ekstrak Etanol 50% Umbi Keladi Tikus (*Typhonium flagelliforme* (Lood) Bi) Terhadap Sel Kanker Payudara MCF-7 In vitro. *Media Lithang Kesehatan*. 19 (1) : 9-14.
- Widiyastuti, Y., Sholikhah, I.Y.M., & Haryanti, S. 2019. Efek sitotoksik formula jamu daun sirsak, buah takokak, dan umbi bidara upas terhadap sel kanker payudara MCF-7. *Jurnal Kefarmasian Indonesia*, 9(2), 140-149.
- Widyastuti, D.A. dan Rahayu, P. 2017. Perbandingan Kapasitas Antioksidan Ekstrak Etanol Daun dan Biji Daun Sirsak (*Annona muricata* Linn)

Sebagai Kandidat Pencegahan Kanker. *Biology, Medicine, & Natural Product Chemistry*, 6(1), 1-4.

Woo, M.H., Chung, S.O., and Kim, D.H. 1999. cis-Annonacin and (2,4)-cis-and trans-isoannonacins: cytotoxic monotetrahydrofuran annonaceous acetogenins from the seeds of *Annona cherimolia*. *Arch Pharm Res.* 22. 524–528. Doi : 10.1007/BF02979164.

Wulandari, E. 2011. Apoptosis: protein yang terlibat dan perannya dalam sel normal. *Medika Islamika, Jurnal Kedokteran Kesehatan dan Keislaman* 6(1):53-62.

Yuan, S.S.F., Chang, H.L., Chen, H.W., Yeh, Y.T., Kao, Y.H., Lin, K.H. 2003. Annonacin, a mono-tetrahydrofuran acetogenin, arrests cancer cells at the G1 phase and causes cytotoxicity in a Bax-and caspase-3-related pathway. *Life Sci.* 72. 2853–2861. doi: 10.1016/S0024-3205(03)00190-5.

Zang, Q. 2015. Effects of Extraction Solvents On Phytochemicals and Antioxidant Activities of Walnut (*Juglans regia* L.) Green Husk Extracts. *European Journal of Food Science and Technology*, 3 (5): 15-21.