

## DAFTAR PUSTAKA

[NCI]. 2012. *Cancer Treatment*. <http://www.cancer.gov/cancertopics/treatment.html>  
3 mei 2013

Agarwal, S., Rao A.V., 2000, Role of Antioxidant Lycopene in cancer and heart diseases, *Journal of the American College of Nutrition*, Vol 19, No. 5, 563–569.

Amann, J., Kalyankrishna, S., Massion, P. P., Ohm, J. E., Girard, L., 2005, Aberrant reseptor faktor pertumbuhan epidermal sinyal dan peningkatan sensitivitas terhadap EGFR inhibitor pada kanker paru-paru. *Kanker Res* 65: 226-235.

Amundson, S.A., Myers, T.G., Scudiero, D., Kitada, S., Reed, J.C., and Fornace, A.J., 2005, An Informatics Approach Identifying Markers of Chemosensitivity in Human Cancer Cell Lines, *Cancer Res*, 60:6101-6110.

Anggriati, P., 2008, Uji Sitotoksik Ekstrak Etanol 70% Buah kemukus (*Piper cubeba L*) Terhadap sel Hela, Skripsi, Universitas Muhammadiyah Surakarta, Surakarta.

Anonim, 2007, ATCC Cell Biology, available from <http://www.atcc.org/common/catalog/numSearch/numResults.cfm?atccNum=HTB-22>, cited in 4 Juni 2013.

Aouali, N., Morjani, H., Trussardi, A., Soma, E., Giroux, B., and Manfait, M., 2003, Enhanced Cytotoxicity and Nuclear Accumulation of Herceptin-loaded Nanospheres in Human Breast Cancer MCF-7 Cells Expressing MRP1, *International Journal of Oncology*, 23:1195-1201.

Apak R., Guclu., Demirata B., Ozyurek., Celik S. E., Bektasoglu B., Berker K.I., Ozyurt. 2007. Comparative Evaluation of Various Total Antioxidant Capacity Assays Applied to Phoenelic Compaund with the CUPRAC Assay. *Review. Molecules*. 12, 1496-1547.

Armala, M. 2009. Daya Antioksidan Fraksi Air Ekstrak Herba Kenikir (*Cosmos caudatus* H.B.K.) dan Profil KLT, Skripsi,39, Fakultas Farmasi Universitas Islam Indonesia, Yogyakarta

ATCC, 2008, Cell Biology, ATCC® Number: HTB-22TM, Designations: MCF-7, <http://www.atcc.org/ATCCAdvancedCatalogSearch/ProductDetails/tabid/452/Default.aspx?ATCCNum=HTB22&Template=cellBiology>, 3 Juni 2013.

Bangun AP dan Sarwono B. Khasiat dan Manfaat Mengkudu. Jakarta: Agromedia Pustaka; 2002. hal. 8 –23.

- Beliveau, R. and Gingras, D (2007). Role of Nutrition in Preventing Cancer. *Can. Fam. Physician* 53: 1906-1911.
- Bintang, D., Hardika, D.S., Praba, D.H., Dzilqi, B.H., Nur, O., Rifki, F., 2013, 20 Maret, Kajian Secara *In Vitro* Ekstrak Buah Mengkudu Sebagai Obat Kanker Payudara yang Potensial. PKM-AI, Direktorat Jendral Pendidikan Tinggi, Jakarta.
- Brasseur T and Angenot L (1986), Flavonol Glycosides from leaves of *Strychnos variabilis*, *Phytochemistry*, 25, 563-564
- Buratti, S., Pellegrini, Nicoletta., Brenna, O. V. dan Mannino, Saverio. 2001. Rapid Electrochemical Method for the Evaluation of the Antioxidant Power of Some Lipophilic Food Extracts. *J. Agric. Food Chem* 49 : 5136-5141.
- Butt, A.J., Firth, S.M., King, M.A., and Baxter, R.C., 2000, Insulin-Like Growth Factor-Binding Protein-3 Modulates Expression of Bax and Bcl-2 and Potentiates P53-Independent Radiation-Induced Apoptosis In Human Breast Cancer Cells, *J. BiolChem*, 275(50):39174-39181.
- Chang, L, Yen, Wen-Jhe., Huang, S. C. and Duh., Pir-Der. 2002. Antioxidant activity of sesamecoat. *Food Chemistry* 78 : 347-354.
- Chang, L.C., Kingdom, A.D., 2001, Flavonoid as Cancer Chemopreventive Agents, in: Trigali, C., Bioactive Compounds from Natural Sources, Isolation, Characterisation and Biological Properties, Taylor & Friends, New York.
- Chen, Y.R., Fu, Y. N., Lin, C. H., Yang, S. T., Hu, S. F, 2006, Pola Aktivasi Khas di mutan EGFR konstitutif aktif dan gefitinib-sensitif, *Onkogen* 25: 1205-1215.
- Dehpour, A.A., Ebrahimzadeh, M. A., Fazel, N. S., Mohammad, N.S., 2009, Antioxidant Activity of Methanol Extract of Ferula Assafoetida and Its Essential Oil Composition, *Grasas Aceites*, 60(4), 405-412.
- Depkes RI, 2000, Parameter Standar Umum Ekstrak Tumbuhan Obat, Direktorat Jendral Pengawasan Obat dan Makanan, Direktorat Pengawasan Obat Tradisional, Jakarta, 4-13.
- Doyle, A., Griffiths, J. B, 2000, Cell and Tissue Culture for, *Medical Research. John Wiley and Sons Ltd*, New York East Asian Region, Report of an Inter-Country Consultation, 2005.
- Direktorat Jendral Pengawasan Obat dan Makanan.(2000). *Parameter Standar Umum Ekstrak Tumbuhan Obat*. Jakarta: Departemen Kesehatan Republik Indonesia.

- Fajarningsih ND, Januar HI, Nursid M, Wikanta T., 2006. Potensi Antitumor Ekstrak Spons *Crella papilata* Asal Taman Nasional Laut Kepulauan Seribu. Jurnal Pasca Panen dan Bioteknologi Kelautan dan Perikanan. Vol. 1 (1): 35-42.
- Fisher, D.E. "Apoptosis in Cancer Therapy: Crossing the Tresshold." *Cell*, 1994: 539-542.
- Gordon, M.H. *The Mechanism of Antioxidant Activitu in Vitro*. London: Elsevire Applied Science, 1990.
- Haila, K. 1999. Effects of Carotenoids and Carotenoid-Tocopherol Interaction on Lipid Oxidation In Vitro. University of Helsinki, Department of Applied Chemistry and Microbiology Helsinki.
- Harborne, J.B (1987) *Metode Fitokimia. Ter. Dari Phytochemical Methods oleh Kosasih Padmawainata dan Iwang Soediro*. Bandung : Penerbit ITB
- Harmita. (2006). *Buku ajar analisis fisikokimia*. Depok: Departemen Farmasi FMIPA UI.
- Haryono, S.J.(2012). Kanker Payudara Familial: Penelusuran Gena Predisposisi Terwaris dan Perhitungan Resiko. Pada ujian doktor di Auditorium Fakultas Kedokteran (FK): UGM.
- Hawari, D. 2004. Kanker payudara dimensi psikoreligi.Jakarta : Balai Penerbit FK UI.
- Hirazumi A, Furuzawa E, Chou SC, Hokama Y. Anticancer activity of *Morinda citrifolia* (noni) on intraperitoneally implanted Lewis lung carcinoma in syngeneic mice. *Proc West Pharmacol Soc* 1994; 37: 145-6.
- Hudis, CA. 2007. *Trastuzumab—mechanism of action and use in clinical practice*. *N Engl J Med*. 357 (1): 39–51.
- Irianti, T., Puspitasari, A., Choironi, N. A. "Aktivitas Penangkapan Radikal 2,2-Difenil-1-pikrilhidrazil oleh ekstrak metanol daun mengkudu (*Morinda citrifolia* L.) dan fraksi-fraksinya." *Jurnal Bahan Alam Indonesia* 2007: ISSN 1412-2855 Vol. 8, No. 2.
- Jain, A.N., Nicholls, A. "Recommendations for Evaluations of Computational Method." *Journal of Comput. Aided Mol*, 2008: 133-139.
- Junedy, S., 2005, "Isolasi dan Uji Sitotoksitas Senyawa Alkaloid dari Spon Koleksi no MD-12 Cyang." Skripsi, Fakultas Farmasi, Universitas Gadjah Mada, Yogyakarta.

- Juniarti, N., Zillies, I., Enade, P., I., 2009, The importance of ARG513 as a hydrogen bond anchor to discover COX-2 inhibitor in a virtual screening campaign, *Bioinformation*, 6(4), 164-166.
- Katiyar, S., Elmets, C.A. and Katiyar, S.K (2007). Green tea and skin cancer: Photoimmunology, angiogenesis and DNA repair. *J. Nutr. Biochem.* 18: 287-296.
- Kitagawa, S. "Inhibitory Effect of Polyphenols on P-Glycoprotein-Mediated Transport." *Biol. Pharm. Bull.* 2006: 1-6.
- Koleva, I.I., van Beek, T.A., Linssen, J.P.H., de Groot, A., dan Evstatieva, L.N., 2002, Screening of PLANTS Extracts For Antioxidant Activity: A Comparative Study on Three Testing Methods, *Phytochemical Analysis*, 13, 8-17.
- Mardawati, E., Filian, F., dan Marta, H., 2008, Kajian aktivitas antioksidan ekstrak kulit manggis (*Garcinia mangostana* L.) dalam rangka pemanfaatan limbah kulit manggis di Kecamatan Puspahiang Kabupaten Tasikmalaya. Penelitian Staf Pengajar Jurusan Teknologi Industri Pangan Fakultas Teknologi Industri Pertanian Universitas Padjadjaran.
- Meiyanto, E. 2002. *Biologi Molekuler*, Buku Ajar, Proyek QUE Fakultas Farmasi, Universitas Gadjah Mada, Yogyakarta.
- Meiyanto, E., Susidarti, R. A., Handayani, S., Rahmi, F. "Ekstrak Etanolik Biji Buah Pinang (*Areca catechu* L.) mampu menghambat proliferasi dan memacu apoptosis sel MCF-7." *Majalah Farmasi Indonesia*, 2008: 12-19.
- Meiyanto, E., Susilowati, S., Tasminatun, S., Murwanti, R., Sugiyanto. "Efek Kemopreventif ekstrak etanolik *Gynura procumbens* (Lour), Merr pada karsinogenesis kanker payudara tikus." *Majalah Farmasi Indonesia*, 2007: 18(3), 154-161.
- Melannisa, R., 2004, Pengaruh PGV-1 Pada Sel Kanker Payudara Yang Diinduksi Estradiol: Kajian Antiproliferasi, Pemacuan Apoptosis dan Antiangiogenesis, Tesis, Sekolah Pascasarjana. UGM, Yogyakarta.
- Menchettner, E., Kyshtoobayeva, A., Zonis, S., Kim, H., Stroup, R., Garcia, R., Parker, R.J., and Fruehauf, J.P., 1998, *Levels of Multidrug Resistance (MDRI) P-Glycoprotein Expression by Human Breast Cancer Correlate with in Vitro Resistance to Taxol and Herceptin*, *Clinical Cancer Research*, 4:389-398.
- Moningkey, Shirley Ivonne, 2000. Epidemiologi Kanker Payudara. Medika; Januari 2000. Jakarta.

- Mosman, T., 1983. Rapid colourimetric assay for cellular growth and survival: application to proliferation and cytotoxicity assay. *J. Immunol. Meth.* 65:55-63.
- Murniasih, T., 2006, Uji Aktivitas Antioksidan Ekstrak Metanol Buah Mengkudu (*Morinda Citrifolia L.*) dengan Metode Linoleat-Tiosianat dan DPPH (2,2 Difenil-1-Pikril Hidrazil), Skripsi, Fakultas Farmasi, Universitas Gadjah Mada.
- Murray R.K., Granner D.K., Mayes P.A., and Rodwell V.W. 2003. *Kanker, Oncogen dan Faktor-faktor Pertumbuhan* .dalam Biokomia Harper, diterjemahkan oleh Hartono A. edisi 2, penerbit EGC, Jakarta.
- Nurrochmad, A., 2001, Sintesis Kurkumin, Bisdemetoksikurkumin, Bisdemetoksidehidrokurkumin dan Pentagamavunon-0, serta Uji kesitolotoksikannya terhadap Sel Mieloma dan Sel Mononuklear Normal secara In vitro, Tesis, Program Pasca Sarjana UGM, Yogyakarta.
- Onuki, R., Kawasaki, H., Baba, T., dan Taira, K., 2003, Analysis of A Mitochondrial Apoptotic Pathway Using Bid-Targeted Ribozymes in Human MCF7 Cells in the Absence of A Caspase-3-Dependent Pathway, Antisense and Nucleic Acid Drug Development, 13 (2): 75-82.
- Prakash, R. S., Erickson, K. I., Colcombe, S. J., Kim, J., Sutton, B., and Kramer, A. F. (2010). Age-related differences in the involvement of the prefrontal cortex in attentional control. *Brain Cogn.* 71, 328-335
- Prunet, C., Lemaire-Ewing, S., Ménétrier, F., Néel, D., dan Lizard, G., 2005, Activation of Caspase-3-Dependent and -Independent Pathways During 7-Ketocholesterol- and 7 $\beta$ -Hydroxycholesterol-Induced Cell Death: A Morphological and Biochemical Study, *Journal of Biochemical and Molecular Toxicology*, 19 (5): 311-326.
- Pudjaatmaka Suminar. 1994. *Kimia Universitas Asas dan Struktur*. Jakarta: Erlangga.
- Purnomo. H. 2011. Kimia komputasi : molecular docking PLANTS penambatan molekul. Pustaka Pelajar.
- Rahmat, A., Kumar, V., Fong, L. M., Endrini, S. dan Sani, H. A. 2003. Determination of total antioxidant activity in three types of local vegetables shoots and the cytotoxic effect of their ethanolic extracts against different cancer cell lines. *Asia Pasific J Clin Nutr* 12(3) : 292-295.
- Rahmawati A, Kandungan fenol total ekstrak buah mengkudu (*Morinda citrifolia L.*), Universitas Indonesia, 2009.
- Rohman A, Ibnu GG. 2007. Metode Kromatografi untuk Analisi Makanan. Yogyakarta.

- Rohman A. 2007. *Kimia Farmasi Analisis*. Yogyakarta:Pustaka Pelajar.
- Rohman, A., Riyanto, S., dan Utari D., 2005, Aktivitas antioksidan, kandungan fenolik total dan kandungan flavonoid total ekstrak etil asetat buah mengkudu serta fraksi-fraksinya, *Majalah Farmasi Indonesia*, 17(3), 136-142, 2006
- Shapiro, G. I. and Harper, J. W. "Anticancer Drug Targets: Cell Cycle and Checkpoint Control." *J. Clin. Invest.*, 1999: 1645-1653.
- Shivashankara, K. S., Isobe, Seiichiro., Al-Haq, M.I., Takenaka, Makiko dan Shina, Takeo., 2004. Fruit Antioxidant Activity, Ascorbic Acid, Total Phenol, Quercetin, and Carotene of Irwin Mango Fruits Stored at Low Temperature after High Electric Field Pretreatment. *J. Agric. Food Chem* 52 : 1281-1286.
- Sjabana, D. Dan Bahalwan, R.R., 2002, Seri Referensi Herbal : Pesona Tradisional dan ilmiah Buah mengkudu (*Morinda citrifolia*, L). Salemba, Jakarta.
- Stahl E (1985) Thin layer chromatography a laboratory hand book. Springer-Verlag, New York. 807-837.
- Stahl, E., (1969). *Apparatus and general techniques in TLC*.Dalam : Stahl, E.(ed). Thin layer chromatography a laboratory handbook, Terj. Dari Dunnenschicht chromatographie, oleh ashworth, M.R.F. Berlin: spinger-Verlag.
- Surh, Y. and Na. H. (2008). NF-JB and NrF2 as prime molecular targets for chemoprevention and cytoprotection with anti-inflammatory and antioxidant phytochemocals. *Genes Nutr.* 2:313-317.
- Sutiningsih, Dwi, Sulistyani (2005). Aktivitas Antibakteri fraksi metanol kayu angin (*usnea misaminensis* (vain) not) terhadap mycobacterium tuberculosis H37Rv.
- Tiwari, P., Kumar, B., Kaur, G., Kaur, H., Kaur, M., 2011, Phytochemical screening and extraction : A review, *J Int Pharm Sci*, 1: 98-106.
- Tjay, T.H., dan Rahardja, K, 2002, *Obat-Obat Penting : Khasiat penggunaan dan Efek-Sampingnya*, Edisi V, Cetakan ke-2, 295-310, Departemen Kesehatan Republik Indonesia, Jakarta.
- Trilaksani, W., *Antioksidan: Jenis, Sumber, Mekanisme Kerja dan Peran Terhadap Kesehatan*, 2003
- Walaszek, Z., Hanausek, M., and Slaga, T.J., 2004, Mechanisms of Chemoprevention. *Chest*.125:128S-133S.
- Weerapreeyakul, N., Nonpunya, A., Barusrux, S., Thitimetharoch, T., Sripanidkulchai, B., 2012, Evaluation of the anticancer potential of six herbs against a hepatoma

- cell line. *Chinese Medicine*. 7(15):1-7.
- Wijayakusuma, H., Dalimartha. S., dan Wirian, A., 1996. Tanaman Berkhasiat Obat di indonesia. Jilid ke-4. Pustaka Kartini, Jakarta.
- Winarsi. *Antioksidan Alami dan Radikal Bebas*. Yogyakarta: Kanisius, 2007.
- Windriyati, Y.N., Budiarti, A., Syahida, IA., 2011. Aktivitas Mukolitik In Vitro Ekstrak Etanol Daun Sirih Merah (*Piper Crocotum* Ruiz dan Pav.) Pada Mukosa Usus Sapi dan Identifikasi Kandungan Kimianya. Fakultas Farmasi Universitas Wahid Hasyim Semarang.
- Ying WM, West BJ, Jensen CJ, Nowicki D, Chen S, Palu AK, Anderson G. Morinda citrifolia (Noni): A literature review and recent advances in Noni research. *Acta Pharmacol Sin* 2002;23(12): 1127 -1141.
- Zampieri, L., Bianchi, P., Ruff, P., dan Arbuthnot, P., 2002, Differential Modulation by Estradiol of P-glycoprotein Drug Resistance Protein Expression in Cultured MCF7 and T47D Breast Cancer Cells, *Anticancer Res.*, 22 (4): 2253-9.
- Zou Y, Lu Y, Wei D. Antioxidant activity of flavonoid rich extract of *Hypericum perforatum* L in vitro. *J Agric Food Chem*. 2004.(52):5032-9.
- Zuhud EAM. 2009. Potensi hutan tropika Indonesia sebagai penyanga bahan obat alam untuk kesehatan bangsa. *Jurnal Bahan Alam Indonesia* : 227-236.