

## DAFTAR PUSTAKA

- Albert, B., Johnson, A., Lewis, J., Raff, M., Roberts, K., Walter, P. 2008. *Molecular Biology of The Cell* 5<sup>th</sup>ed. Garland Science. New York. Pp:1115-1121.
- Ammerman, N.C., Magda, B.S., Abdu, F.A. 2008. *Growth and Maintenance of Vero Cell Line*. Public Access. Maryland. Pp:1-10.
- Anonim. 2009. *It's Members and with The Support of The World Health Organization, will Raise Awareness of Cancer Prevention*. Union for International Cancer Control. <http://www.uicc.org/programmes/2010-campaign>. Access:February 22, 2016.
- Biancotto. 2004. Dual Role of Prostatin in Inhibition of Infection and Reactivation of Human Immunodeficiency Virus from Latency in Primary Blood Lymphocytes and Lymphoid Tissue. *Journal Viral*. 78(19):10507-10515.
- Beans, J.E., Foumogetakis, D., Gauntlett, C., Heumann, L.V., Kramer, R., Marsden, M.D., Murray, D., Chun, T.W., Zack, J.A., Wender, P.A. 2013. Highly Potent Synthetically Accesible Prostatin Analogs Induce Latent HIV Expression *In Vitro* and *Ex Vivo*. *Proceedings of The National Academy of Sciences of The United States of America*. 110(29):11698-11703.
- Burdall, E.S., Hanby, M.A., Landsdown, R.J.M., Speirs, V. 2003. Breast Cancer Cell Line. *Breast Cancer Research*. 5(2):89-95.
- Castellone, M.D., Teramoto, H., Gutkind, J.S. 2006. Cyclooxygenase-2 and Colorectal Cancer Chemoprevention: The  $\beta$ -catenin Connection. *Cancer Research*. 66:11085-11088.
- Chen, G.G., Lai, P.B.S. 2009. *Apoptosis in Carcinogenesis and Chemotherapy*. Springer Science Media. Hongkong. Pp:1-24.
- Chen, T.R., Drabkowski, D., Hay, R.J., Macy, M., Peterson, W.J.R. 1987. WiDr is a Derivative of Another Colon Adenocarcinoma Cell Line HT-29. *Cancer Genes Cytogenetic*. 27:125-134.
- Cory, S., Adams, J.M. 2002. The Bcl-2 Family: Regulators of The Cellular Life or Death Switch. *Nature Reviews Cancer*. 2:647-656.
- Deveraux, Q.L., Reed, J.C. 1999. IAP Family Proteins Suppressors of Apoptosis. *Genes Development*. 13: 239-252.
- Doyle, A., Griffith, J. 2000. *Cell and Tissue Culture for Medical Research*. John Willey. New York. P:254.

- Elizabeth, J.B, Dennis, F., Carolyn, G., Lars, V.H., Rainer, K., Matthew, D.M., Danielle, M., Tae-Wook, C., Jerome, A.Z., Paul, A.W. 2013 . Highly Potent Synthetically Accessible Prostratin Analogs Induce Latent HIV Expression *In Vitro* and *Ex Vivo*. *National Institute of Allergy and Infectious Diseases*. 110(29):11698–11703.
- Evarianti. 2013. Efek Ekstrak Batang Keraumbi (*Homalanthus populneus* (Giesel.) Pax) terhadap Proliferasi dan Sitotoksitas Human Peripheral Blood Mononuclear Cell dan Makrofag Mencit (*Mus musculus* L.). *Skripsi*. Fakultas Biologi UGM. Yogyakarta.
- Fatimah, A., Muhammad, I., Riswi, H., Rudi, N. 2012. Identifikasi Senyawa Prostratin pada Tumbuhan *Homalanthus populneus* di Indonesia sebagai Anti Virus HIV dan AIDS. *Laporan Akhir Program Kreativitas Mahasiswa Penelitian*. Fakultas Biologi UGM. Yogyakarta.
- Fatimah, A. 2013. Pengaruh Ekstrak Etanolik Batang Tutup Abang (*Homalanthus populneus* (Geisel.) Pax) Terhadap Persentase Sel Limfosit T (CD4+). *Skripsi*. Fakultas Biologi UGM. Yogyakarta.
- Fulda, S., Debatin, K.M. 2006. Extrinsic Versus Intrinsic Apoptosis Pathways in Anticancer Chemotherapy. *Oncogene*. 25:4798-4811.
- Furr, K.A. 2000. *Cyclic Redundancy Check Handbook of Laboratory Safety* 5<sup>th</sup>ed. Cyclic Redundancy Check Press. Boca Raton.
- Gabriel, J.A. 2007. *The Biology of Cancer* 2<sup>th</sup>ed. John Wiley and Sons. Chicester. Pp:3-6.
- Goel, G., Harindre, P.S.M., George, F., Klaus, B. 2007. Phorbol Ester: Structure, Biological Activity, and Toxicity in Animals. *International Journal of Toxicology*. 26:279-288.
- Gustafson, K.R., Cardellina, J.H., McMahon, J.B., Gulakowski, R.J., Ishitoya, J., Szallasi, Z., Lewin, N.E., Blumberg, P.M., Weislow, O.S., Beutler, J.A. 1992. A Nonpromoting Phorbol from The Samoa Medical Plant *Homalanthus nutans* Inhibits Cell Killing. *Journal Medical Chemistry*. 35:1978–86.
- Hrazdina, G., Gerald, A., Marx., Hoch, H.C. 1982. Distribusi of Secondary Plant Metabolites and Their Biosynthetic Enzymes in Pea (*Pisum sativum* L.) Leaves. *Plant Physiology*. 70:745-748.
- Jasperson, K. 2010. Hereditary and Familial Colon Cancer. *Gastroenterology*. 138(6):2044–2058.

- Jensen, C.H. 2013. *The Effect of Resveratrol on The Human Colon Cancer Cell Line Caco-2*. Departement of Science and Models Roskilde University. United State of America. Pp:15-24.
- Johnson, H.E., Banack., S.A., Cox, P.A. 2008. Variability in Content of The Anti AIDS Drug Candidate Prostratin in Samoan Populations of *Homalanthus nutans*. *Journal of Natural Product*. 71:2041- 2044.
- Kaler, P., Godasi, B.N., Augenlicht, L., Klampfer, L. 2009. The NF-Kb/AKT-Dependent Induction of Wnt Signaling in Colon Cancer Cells by Macrophages and IL-1 $\beta$ . *Cancer Microenvironment*. 2(1):69-80.
- Karthika, K., Jamuna, S., Paulsamy, S. 2014. TLC and HPTLC Fingerprint Profiles of Different Bioactive Components from The Tuber of *Solena amplexicaulis*. *Journal of Pharmacognosy and Phytochemistry*. 3(1):198-206.
- Kerr, J.F., Wyllie, A.H., Currie, A.R. 1972. Apoptosis: A Basic Biological Phenomenon With Wideranging Implications in Tissue Kinetics. *Journal Cancer*. 26:239–257.
- King, R.J.B. 2000. *Cancer Biology*. Pearson Education Limited. London. Pp:363-373
- Korin, Y.D., Brooks, D.G., Brown, S., Korotzer, A., Zack, J.A..2002. Effects of Prostratin on T-Cell Activation and HIV Latency. *Journal Viral*. 7(6):8118-8123.
- Kulkosky, J., Culnan, D.M., Roman, V., Dornadula, G., Schnell, M., Boyd, M.R., Pomerantz, R.J. 2001. Prostratin: Activation of Latent HIV-1 Expression Suggests a Potential Inductive Adjuvant Therapy for HAART. *The America Society of Hematology*. 98(10):3006.
- Lee, J.M., Bernstein, A. 1995. Apoptosis, Cancer and The p53 Tumor Suppressor Gene. *Cancer and Metastasis Review*. 14(2):144.
- Lee, H., Kim, W. 2012. Effect of Resveratrol on The Metastasis of 4T1 Mouse Breast Cancer Cells *In Vitro* and *In Vivo*. *Nutrition Research and Practice*. 6(4):294–300.
- Lowe, S.W., Lin, A.W. 2000. Apoptosis in Cancer. *Carcinogenesis*. 21:485–495.
- Lun, G., Sansone, E. 1990. *Destruction of Hazardous Chemicals in The Laboratory*. John Wiley and Sons. New York. Pp:60-61
- Noguchi, P., Wallace, R., Johnson, J., Early, E.M., O'Brien, S., Ferrone, S., Pellegrino, A., Miltein, J., Needy, C., Browne, W., Petriccioni, P. 2002.

Characterization of WiDr: A Human Colon Carcinoma Cell Line.  
*In Vitro Journal Store Springer*. 15(6):401-408.

- Ophardt, C.E. 2003. *Anticancer Drugs*. Virtual Chemistry Book Elmhurst University. <http://www.elmhurst.edu/~chm/vchembook/655cancer2.html>.  
Acceses:April 28, 2016.
- Palozza, P., Simona, S., Nicola, M., Mara, A., Alma, B., Fiorella, D.N., Franco, O.R., Gabriella, C. 2002. Induction of Cycle Arrest and Apoptosis in Human Adenocarcinoma Cell Lines by  $\beta$ -Carotene Through Down Regulation of Cyclin-A and Bcl-2 Family Protein. *Carcinogenesis*. 23(1):11-18.
- Peter, J. 2005. Methods in Enzymology: O-Glycosylation of Proteins. *Methods Enzym Molecular*. 405:139-71.
- Peter, M.E., Krammer, P.H. 2003. The CD-95 Apoptosis Activating Factor-1, Fas-Associated Death Domain Death Induced Signaling Complex and Beyond. *Cell Death Differ*. 10:26–35.
- Powis, G. Prough, R.A. 1987. *Metabolisme and Action of Anticancer Drugs*. Taylor and Francis. London. Pp:60-61
- Plant Resources of South-East Asia . 2014. *Detail data *Homalanthus populneus* (Giesel.)Pax*. <http://www.proseanet.org/prohati2/brower.php?docsid=257>.  
Acceses:February 22, 2016.
- Rajalakshmi, D., Narasimhan, S. 1985. *Food Antioxidants: Sources and Methods of Evaluation dalam D.L. Madhavi: Food Antioxidant, Technological, Toxilogical and Health Perspectives*. Marcel Dekker Inc. Hongkong. Pp: 76-77.
- Reed, J.C. 2000. Mechanisms of Apoptosis. *The America Journal Pathology*. 157:1415–1430.
- Ren, J, Meng, S. 2008. Complexation of Flavonoids with Iron: Structure and Optical Signatures. *Journal Physiology Chemistry*. 112:1845–50.
- Roberto, A.B., Brett, C., Yangfang, Y., Paula, M., Gabriel, K.G., Nan, Z., Qi, T., Matthew, B., Deyou, Q. 2011. De Novo Assembly of *Euphorbia Fischeriana* Root Transcriptome Identifies Prostratin Pathway Related Genes. *Research Article Biology Molecular Cell Geomics*. 12(600):2-14.
- Rode, H.J., Eisel, D. 2008. *Apoptosis and Cell Proliferation* 2<sup>th</sup>ed. Boehringer Biochemical. German. Pp:58-73.
- Sarker, S.D., Gray, A.I. 2006. *Natural Products Isolation* 2<sup>th</sup>ed. Humana Press Inc. New Jersey. Pp: 6-10.

- Shen, X., Guo-Lin, X., Yu, J., He, X., Yan-Feng, Z., Ya-Ju, S., Shuang, X., Meng, Y., Xiao-Lan, L., Bo, D., Li-Sheng, W., Qing-Liang, L., Zu-Yin, Y., Yun-Wen, C. 2014. The Protein Kinase C Agonist Prostratin Induces Differentiation of Human Myeloid Leukimia Cells and Enhances Cellular Differentiation by Chemotherapeutic Agents. *Cancer Letters*. 356:606-680.
- Shirazi, F.H., N. Ahmadi, and M. Kamalinejad. 2004. Evaluation of Northern Iran *Mentha pulegium* L. Cytotoxicity. *Journal of Faculty of Pharmacy*. 12(3):109.
- Silalahi, J. 2006. *Makanan Fungsional*. Kanisius. Yogyakarta. Pp:64-65.
- Son, Y.O., Kim, J., Lim, J.C., Chung, Y., Chung, G.H., Lee, J.C., 2003. Ripe Fruits of *Solanum nigrum* L. Inhibits Cell Growth and Induces Apoptosis in MCF-7 Cells. *Food and Chemical Toxicology*. 41:1421-1428.
- Susan, G. 2009. *Chemotherapy and Side Effects*. Louis University. Rome. Pp:60-62.
- Voight, R. 1994. *Buku Pelajaran Teknologi Farmasi*. Gadjah Mada University Press. Indonesia.
- Ward, T.H., Cummings, J., Dean, E., Greystoke, A., Hou, J.M., Backen, A., Ranson, M., and Dive, C. 2008. Minireview Biomarkers of Apoptosis. *British Journal of Cancer*. 99:841-846.
- Weinberg, R.A. 1999. How Cancer Arises. *Science America*. 275(3):32-40.
- 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(1):15.
- Zuhud, E.A.M., Siswoyo, E., Sandra, A.H., Adhiyanto, E. 2013. *Buku Acuan Umum Tumbuhan Obat Indonesia*. Dian Rakyat. Jakarta. Pp:40-41.
- Zhang, X.J., Yang, L., Zhao, Q., Caen, J.P., He, H.Y., Jin, Q.H., Guo, L.H., Alemany, M., Zhang, L.Y., Shi, Y.F. 2002. Induction of Acetylcholinesterase Expression During Apoptosis in Various Cell Types. *Cell Death and Differentiation*. 9:790-800.