

DAFTAR PUSTAKA

- American Cancer Society. 2011. *Breast Cancer Facts & Figures 2011-2012*. Atlanta: American Cancer Society, Inc.
- American Cancer Society. 2015. *Breast Cancer Facts & Figures 2015-2016*. Atlanta: American Cancer Society, Inc.
- Anonim, 2011. Drug description: Propranolol hydrochloride (reviewed 2011 May). Retrieved from : <http://www.rxlist.com/inderide-drug.htm>
- Anonim, 2011. Clinical pharmacology: Propranolol hydrochloride (reviewed 2011 May). Retrieved from : URL <http://www.rxlist.com/inderide-drug/clinical-pharmacology.htm>
- Anonim, 2015. Drug description: Propranolol hydrochloride (revised 2015 April). Available from : URL: <http://www.drugs.com/pro/propranolol.html>
- Arur, S., Uche, U. E., Rezaul, K., Fong, M., Scranton, V., Cowan, A. E., Mohler, W., and Han, D. K., 2003. Annexin I is an endogenous ligand that mediates apoptotic cell engulfment. *Dev Cell*, 4, 587–98.
- Barron, T. I., Connolly, R. M., Sharp, L., Bennett, K. and Visvanathan, K. 2011. Beta blockers and breast cancer mortality: A population-based study, *J.Clin Onco*, 29 (19):2635–2644.
- Barzegar, E., Fouladdel, S., Movahhed, T. K., Ghahremani, M. H., Ostad, S. N. and Azizi, E. 2015. Effects of berberine on proliferation , cell cycle distribution and apoptosis of human breast cancer MCF7 and MCF7 cell lines, *Iran J Basic Med Sci*. 18(4):334-42.
- Chaurio, AR., Janko, C., Muñoz, LE., Frey, B., Herrmann, M., Gaip, US. 2009. Phospholipids: Key Players in Apoptosis and Immune Regulation. *Molecules*, 14: 4892-4914.
- Crawford, R.S., Bowen, W.D., 2002. Sigma-2 receptor agonists activate a novel apoptosis pathway and potentiate antineoplastic drugs in breast tumor cell lines. *Cancer Research*. 62:313-322.
- Dash, P., 2003. Apoptosis in cancer: from pathogenesis to treatment. *JECCR*. 30(87): 1-14.
- Demchenko, A.P., 2012. The Change Of Cellular Membranes On Apoptosis: Fluorescence Detection. Laboratory of Nanobiotechnology, Palladin Institute of Biochemistry, Kiev 01030, Ukraine. *Exp.Onco*. 34:263-268.

- Eray, M., Matto, M., Kaartinen, M., Anderson, L. C., Pelkonen, J., 2001. Flow cytometric analysis of apoptotic subpopulations with a combination of annexin V-FITC, propidium iodide, and SYTO 17. *Cytometry*. 43: 134-142.
- Ghobrial, I.M., Witzig, T.E., Adjei, A.A. 2005. Targeting apoptosis pathways in cancer therapy. *CA Cancer J Clin*. 55:178-194.
- Goldie, J.H., 2001. Drug resistance in cancer: a Perspective. *Cancer Metastasis Rev*. 20(1-2):63-8.
- Hanahan, D. and Weinberg, R. A. 2011. Hallmarks of cancer: The next generation, *Cell*. 144 (5): 646-674
- Hara MR, Kovacs JJ, Whalen EJ, Rajagopal S, Strachan RT, Grant W, Towers AJ, Williams B, Lam CM, Xiao K, Shenoy SK, Gregory SG, Ahn S, Duckett DR, Lefkowitz RJ. 2011. A stress response pathway regulates DNA damage through β 2-adrenoreceptors and β -arrestin-1. *Nature*, 477 (7364): 349–353.
- Holliday, D., and Speirs, V., 2011. Review : Choosing the right cell line for breast cancer research. *Breast Cancer Research*, 13:215.
- Ji, Y., Li, K., Xiao, X., Zheng, S., Xu, T., Chen, S., 2012. Effects of propranolol on the proliferation and apoptosis of hemangioma-derived endothelial cells. *JpedSurg*. 47: 2216-2223
- Kaabinejadian, S., Fouladdel, Sh., Ramezani, M., Azizi, E., 2008. P53 expression in MCF7, T47D, MDA-MB 468 breast cancer cell lines treated with adriamycin using RT-PCR and immunocytochemistry. *J Bio Sci*. 8 (2): 380-385.
- Kementrian Kesehatan Republik Indonesia., 2015. Stop Kanker. Pusat Data dan Informasi. Kementrian Kesehatan RI. Diakses : 14 Juli 2015.
- Kumar, V., Abbas, A.K., Fausto, N., 2005. Robbins and Contran Pathology Basic of Disease, 7th Ed. *Elsivier saunders*. Pennsylvania.
- Lacroix, Marc., Toillon, RA., Leclerck, Guy., 2006. P53 and breast cancer an update. *Endocr Relat Cancer*. 13: 293-325
- Levenson, A.S., Jordan, C.V., 1997. MCF-7: The first hormone-responsive breast cancer cell line. *Cancer Res*. 57: 3071-3078.
- Liao, X., Che, X., Zhao, W., Zhang, D., Bi, T., Wang, G., 2010. The β -adrenoreceptor antagonist, propranolol, induces human gastric cancer cell

apoptosis and cell cycle arrest via inhibiting nuclear factor κ B signaling. *OncoReport*. 24: 1669-1676

- McDonald, J. W and Pilgram, T.K. 1999. Nuclear expression of p53, p21 and cyclin D1 is increased in bronchioloalveolar carcinoma. *Histopathology*. 34: 439-446.
- Nurani, L.H., Widyarini, S., Mursyidi, A., 2015. Uji sitotoksik dan uji kombinasi fraksi etil asetat ekstrak etanol akar pasak bumi (*Eurycoma longifolia* Jack.) dan doksorubisin pada sel limfosit. *J. Trop. Pharm. Chem*. 3(2):138-147
- Patel, S and Player, M. 2008. Small molecule inhibitors of the p53-HDM2 interaction for the treatment of cancer. *Expert Opin Investig Drugs* 17(12):1865-82.
- Pasquier, E., Ciccolini, J., Carre, M., Giacometti, S., Fanciullino, R., Pouchy, C., *et al.* 2011. Propranolol potentiates the anti-angiogenic effects and anti-tumor efficacy of chemotherapy agents: implication in breast cancer treatment. *Oncotarget*, 2(10):797–809.
- Pelengaris, S and Khan, M. 2006. The Molecular Biology of Cancer. *Blackwell Publishing*, Victoria.
- Pinto, AC., Moreira, JN., Simões, S., 2011. Combination Chemotherapy in Cancer: Principles, Evaluation and Drug Delivery Strategies. *Current Cancer Treatment - Novel Beyond Conventional Approaches*, Prof. Oner Ozdemir (Ed.). ISBN: 978-953-307-397-2.
- Powe, DG., Voss, MJ., Zanker, KS., Habashy, HO., Green, AR., Ellis, IO., Entschladen, F. 2010. Beta blocker drug therapy reduces secondary cancer formation in breast cancer and improves cancer specific survival. *Oncotarget*, 1 (7):628-638.
- Pollard, T.D and Earnshaw, W.C. 2008. Cell Biology, *Elsevier Inc.*, Philadelphia.
- Putra, B., Wahyuningsih, MSH., Sholikhah, EN., 2017. Cytotoxic activity of Simvastatin in T47D Breast Cancer Cell Lines and its effect on cyclin D1 Expression and Apoptosis. *J.Med.Sci*, 49 (1): 1-9.
- Reutelingsperger, C.P., Hornstra, G., Hemker, M.C., 1985. Isolation and partial purification of a novel anticoagulant from arteries of human umbilical cord. *EurJBiochem*, 151-625.
- Ryan, K. M., Ernst, M. K., Rice, N. R. and Vousden, K. H. 2000. Role of NF- κ B in p53-mediated programmed cell death, *Nature*, 404: 892-897.

- Sajjadi, SE., Ghanadian, M., Haghighi, M., Mouhebat, L. 2015. Cytotoxic effect of *Cousinia verbascifolia* Bunge against OVCAR-3 and HT-29 cancer cells. *J HerbMed Pharmacol.* 4(1): 15-19.
- Schafer, J.M., Lee, E. S., O'Regan, R.M., Yao, K., Jordan, V.C., 2000. Rapid Development of Tamoxifen-stimulated Mutant p53 Breast Tumor (T4D7) in Athymic Mice, *Clin Ca Research*, 6:4373-4380.
- Shapiro, G.I., and J. Wade Harper, W., J., 1999, Anticancer drug targets: cell cycle and checkpoint control, *J. Clin Invest*, 104 (12): 1645-1653.
- Tang, J., Li, Z., Lu, L. and Cho, C. H. 2013. β -Adrenergic system, a backstage manipulator regulating tumour progression and drug target in cancer therapy, *Seminars in Cancer Biology*, 23 (6 PB): 533-542.
- Torre, L.A., Bray F, Siegel RL., Ferlay, J., Tieulent, J.L., Jemal, A. 2015. Global cancer statistics 2012. *CA Cancer J Clin.* 65: 87-108.
- Van Engeland, M., Nieland, L. J. W., Ramaekers, F. C. S., Schutte, B., Reutelingsperger, C. P. M. 1998. Annexin V-affinity assay: a review on an apoptosis detection system based on fosfatidilserin exposure. *Cytometry.* 31: 1-9.
- Vermes, I., Clemens, Haanen, Helga, Steffens-Nakken, Chris Reutelingsperger. 1995. A novel assay for apoptosis Flow cytometric detection of fosfatidilserin early apoptotic cells using fluorescein labelled expression on Annexin V. Elsevier Science B.V. All rights reserved. *J Immuno Meth.* 184 (199.5): 39-51.
- Vermes, I., Haanen, C., Reutelingsperger, C., 2000. Flow cytometry of apoptotic cell death. Elsevier Science B.V. All rights reserved. *J Immuno Meth.* 243:(2000) 167-190.
- Wei, WJ., Shen., CT., Song, HJ., Qiu, ZL., Luo, QY., 2016. Propranolol sensitizes thyroid cancer cells to cytotoxic effect of vemurafenib. *Oncology Reports.* 36 :1576-1584.
- Wolter, J. K., Wolter, N. E., Blanch, A., Partridge, T., Cheng, L., Morgenstern, D. a, et al. 2014. Anti-tumor activity of the beta-adrenergic receptor antagonist propranolol in neuroblastoma., *Oncotarget* 5 (1): 161-72.
- Wong, R.S.Y. 2011. Apoptosis in cancer: from pathogenesis to treatment. *JECCR.* 30(87): 1-14.
- World Health Organization (WHO), 2015. World Health Statistic New. WHO Press: Geneva.

- Wu, M., Ding, H.F., Fisher, D.E. 2001. Apoptosis: molecular mechanisms. In : encyclopedia of life sciences. *Nature Publishing Group*. London. United Kingdom.
- Yudhani, RD. 2014. Pengaruh metformin terhadap penekanan ekspresi cyclin D1, aktivasi p53 dan induksi apoptosis pada sel hela. *Tesis*. Pascasarjana Universitas Gadjah Mada.
- Zampieri, L., Bianchi, P., Ruff, P., Arbuthnot, P., 2002. Differential modulation by estradiol of P-glycoprotein drug resistance protein expression in cultured MCF7 and MCF7 breast cancer cells. *Anticancer Res.* 22(4):2253-9.