

DAFTAR PUSTAKA

- Abdelkader, T.S., Seo-Na, C., Tae-Hyun, K., Juha, Song., Dongso, Kim., Park, J. H. Teratogenicity and Brain Aromatase-Induction of Monosodium Glutamate in Estrogen-Responsive Mosaic Transgenic Zebrafish *Danio rerio*. *African Journal of Biotechnology*, 2012; 11(48): 10816-10823.
- Ashkenazi, A and Dixit, V M. Death Receptors: Signaling and Modulation. *Science*, . 1998; 281: 1305-1307.
- Aurora, H. 2012. Pengaruh Genistein dan Coumestrol Terhadap Neuron Dopaminergik pada Tahap Perkembangan Awal Zebrafish (*Danio rerio*). *Tesis*. Tidak diterbitkan, Fakultas Kedokteran Universitas Brawijaya, Malang.
- Chen, G. and Goeddel, D.V. TNF-R1 Signaling : A Beautiful Pathway. *Science*, 2002; 296 (5573): 1634-1635.
- Dooley, K and Zon, L I. Zebrafish: a Model System for the Study of Human Disease. *Genetic & Development*, 2000; 10: 252-255.
- Elmore, S. Apoptosis: A Review of Programmed Cell Death. *NIH Public Access*, 2007; 35(4): 495–516.
- Ferenc, P., Solár, P., Kleban, J., Mikeš, J., Fedoroc̃ko, P. Down-regulation of Bcl-2 and Akt induced by combination of photoactivated hypericin and genistein in human breast cancer cells. *Journal of Photochemistry and Photobiology B*, 2010; 98: 25–34.
- Freeman, J L., Adeniyi, A., Banerjee, R., Dallaire, S., Maguire, S F., *et al*. Definition of the zebrafish genome using flow cytometry and cytogenetic mapping. *Biomed Central Genomics*, 2007; 8:195.
- Gross, A., McDonnell, JM., Korsmeyer SJ. BCL-2 family members and the mitochondria in apoptosis. *Cold Spring Harbor Laboratory Press*, 1999; 13:1899–1911.
- Heiden, M G V., Chandel, N S., Williamson, E K., Schumacker, P T., and Thompson, C B. Bcl-xL. Regulates the Membrane Potential and Volume Homeostasis of Mitochondria. *Cell Press*, 1997; 91: 627–637.
- Hotchkiss, RS., Strasser, A., McDunn, JE., and Swanson, PE. Cell Death in Disease: Mechanisms and Emerging Therapeutic Concepts. *New England Journal of Medicine*, 2009; 361(16): 1570–1583.
- Kim, DJ., Seol, SH., Baek, MW., Lee, HY., Na, YR., Park, SH., *et al*. Developmental toxicity and brain aromatase induction by high genistein concentrations in zebrafish embryos. *Informa*, 2009; 19(3): 251-256.

Kimmel, C B., Ballard, W W., Kimmel, S R., Ullmann, B dan Schilling, T F. Stages of Embryonic Development of the Zebrafish. *Developmental Dynamics*. 1995; 203: 255-310.

Kishida, M., Tchoudakova, A., Miller, DS., Callard. Analysis of The Goldfish *Carassius auratus* Aromatase P450arom Gene Promoters by Green Fluorescent Protein GFP Expression in Living Zebrafish *Danio rerio* Embryos. *Bull Mount Dessert Island Bio Lab*, 1999; 38: 37-38.

Krueger, A., Baumann, S., Krammer, P H., dan Kirchhoff, S. FLICE-Inhibitory Proteins: Regulators of Death Receptor-Mediated Apoptosis. *Molecular And Cellular Biology*, 2001; 8247–8254.

Kumi-Diaka, J., Sanderson, NA., Hall, A. The mediating role of caspase-3 protease in the intracellular mechanism of genistein-induced apoptosis in human prostatic carcinoma cell lines, DU145 and LNCaP. *Biology of the Cell*, 2000; 92(8-9): 595-604.

Li, Y., Upadhyay, S., Bhuiyan, M and Sarkar, FH. Induction of apoptosis in breast cancer cells MDA-MB-231 by genistein. *Oncogene*, 1999; 18 (20): 3166-3172.

Livak, K J and Schmittgen, T D. Analysis of Relative Gene Expression Data Using Real-Time Quantitative PCR and the $2^{-\Delta\Delta CT}$ Method. *Methods*, 2001; 25(4): 402-408.

Metscher, B D dan Ahlberg, P E. Zebrafish in Context:Uses of a Laboratory Model in Comparative Studies. *Academic Press*, 1999; 210: 1-14

Mitchell, RN. and Cotran, RS. 2007. *Buku Ajar Patologi Robbins*, Edisi 7, Volume 1. *Penerbit Buku Kedokteran EGC*. Jakarta, hal. 28-31.

Nunez, Gabriel and Clarke, Michael F. The Bcl-2 family of proteins: regulators of cell death and survival. *Trends In Cell Biology*, 1994; 399-403.

Pasternak , JJ. 2005. *An Introduction On To Human Molecular Genetics*, Second Edition. John Wiley & Sons, Inc, New Jersey, 480 (16).

P, Chomczynski and K, Mackey. Short technical report: Modification of the TRIZOL reagent procedure for isolation of RNA from Polysaccharide-and proteoglycan-rich sources. *Biotechniques*, 1995; 19(6): 942-5.

Ramadhani, TR. 2015. *Pengaruh Perbedaan Paparan Dosis Genistein Terhadap Ekspresi Bax Pada Tahap Awal Perkembangan Zebrafish*. Tugas Akhir. Tidak diterbitkan, Fakultas Kedokteran Universitas Brawijaya.

Renehan, AG., Booth, C and Potten, CS. What is apoptosis, and why is it important?. *British Medical Journal*, 2001; 322: 1536–1538.

- Sarkar, F.H. and Li, Y. Soy Isoflavones and Cancer Prevention. *Cancer Investigation*, 2003; 21(5): 744-757.
- Sarkar, F H. And Li, Y. Mechanisms of cancer chemoprevention by soy isoflavone genistein. *Cancer and Metastasis Reviews*, 2002; 21: 265-280.
- Sassi-Messai, S., Gibert, Y., Bernard, L., Nishio, S I., Lagneau, K F F., Molina, J., et al. The Phytoestrogen Genistein Affects Zebrafish Development through Two Different Pathways. *PLoS ONE*, 2009; 4(3): e4935.
- Schimmer, AD., Hedley, DW., Chow, S., Pham, NA., Chakrabarty, A., Bouchard, D., et al. Receptor- and mitochondrial-mediated apoptosis in acute leukemia: a translational view. *Blood*, 2001; 98(13): 3541-3553.
- Sjöström, Johanna and Bergh, Jonas. How apoptosis is regulated, and what goes wrong in cancer. *British Medical Journal*, 2001; 322: 1538–1539.
- Sun, Zeyu., Biela, L M., Hamilton, K L., Reardon, K F. Concentration-dependent effects of the soy phytoestrogen genistein on the proteome of cultured cardiomyocytes. *Journal Of Proteomics*, 2012; 75: 3592 – 3604.
- Tejasari, M., Shahib, N ., Iwan, D., Sastramihardja, HS. The Role of Soy Preventing Apoptosis in Liver Injury. *International Journal of Research in Pharmaceutical and Nano Sciences*, 2014; 3(5): 373 – 379.
- Waterhouse, N J., Goldstein, J C., Ahsen, O V., Schuler, M., Newmeyer, D D., dan Green, D R. Cytochrome c Maintains Mitochondrial Transmembrane Potential and ATP Generation after Outer Mitochondrial Membrane Permeabilization during the Apoptotic Process. *The Journal of Cell Biology*, 2001; 153: 319-328.
- Wong, CND, 2013: The Benefits of Phytoestrogens. (Online), (<http://altmedicine.about.com/od/completeazindex/a/phytoestrogens.htm>), diakses 06 Juli 2014.