

DAFTAR PUSTAKA

Abdelkader, Tamer Said, Seo-Na Chang, Tae Hyung Kim, Juha Song, Dong Su Kim, Jae-Hak Park. 2012. *Exposure time to caffeine affects heartbeat and cell damage-related gene expression of zebrafish Danio rerio embryos at early developmental stage*. J. Appl. Toxicol; 33:1277-1283.

Aurora, H. 2012. *Pengaruh Genistein dan Coumestrol Terhadap Neuron Dopaminergik pada Tahap Awal Perkembangan Zebrafish (Danio rerio)*. Tesis. Program Pascasarjana Fakultas Kedokteran Universitas Brawijaya. Malang.

Beere, Helen M., Beni B. Wolf, Kelvin Cain, Dick D. Mosser, Artin Mahboubi, Tomomi Kuwana, Pankaj Tailor, Richard I. Morimoto, Gerald M. Cohen, Douglas R. Green. 2000. *Heat-shock protein 70 inhibits apoptosis by preventing recruitment of procaspase-9 to the Apaf-1 apoptosome*. Nature Cell Biology 2, 469-475.

Blanchard H, Donepudi M, Tschopp M, Kodandapani L, Wu JC and Grutter MG. 2000. *Caspase-8 specificity probed at the subsite S4: crystal structure of the caspase-ZDEVD-cho complex*. J Mol Biol. 302(1), 9-16.

Bogoliubova NA. 1999. *Characteristic of structural and functional organization of two cell mouse embryos expose to inhibitors of cell proliferation*. Tsitogiia, 41, 698-706.

Celine, Cande, Isabelle Cohen, Eric Daugas, Luigi Ravagnan, Nathanael Larochette, Naoufal Zamzami, Guido Kroemer. 2002. *Apoptosis-inducing*

factor (AIF): a novel caspase-independent death effector released from mitochondria. *Biochimie*, 215-222.

Chan, W.H., Lu HY, Shiao NH. 2007. *Effect of genistein on mouse blastocyst development in vitro*. *Acta pharmacologica sinica*, 238-45.

Cheong J.M., Martin B.R., Jackson G.S. 2007. *Soy isoflavones do not affect bone resorption in postmenopausal women: a dose-response study using a novel approach with ⁴¹Ca*. *J Clin Endocrinol Metab*, 577-582.

Chodon, Dechen, S. Mumtaz Banu, R. Padmavathi, D. Sakthisekaran. 2007. *Inhibition of cell proliferation and induction of apoptosis by genistein in experimental hepatocellular carcinoma*. *Molecular and Cellular Biochemistry*, 73-80.

Chomczynski, P., Sacchi N. 2006. *The single-step method of RNA isolation by acid guanidinium thiocyanate-phenol-chloroform extraction: twenty-something years on*. *Nat Protoc*, 581-5.

Dennerly, PA. 2007. *Effects of oxidative stress on embryonic development*. *Birth defects research*, 155-62.

Erika, Varkonyi-Gasic, Rongmei Wu, Marion Wood, Eric F Walton, Roger P. Hellens. 2007. *Protocol: a highly sensitive RT-PCR method for detection and quantification of microRNAs*. HortResearch. New Zealand.

Evans, Tyler G., Yamamoto, Yoshikuyi, Jeffery, William R, Krone, Patrick H. 2005. *Cell Stress and Chaperones*, 10.1: 66-78.

Fleming, A., W.K. Alderton. 2013. *Zebrafish in pharmaceutical industry research: Finding the best fit*. *Drug Discovery Today: Disease Models*, e43-e50.

Graham, J. Lieschke, Peter D. Currie. 2007. *Animal models of human diseases: zebrafish swim into view*. Genetic, 353-367.

Hogervorst, E., Sadjimim T., Yesufu A., Kreager P., Rahardjo T.B. 2008. *High tofu intake is associated with worse memory in elderly Indonesian men and women*. Dement Geriatr Cogn Disord, 50-57.

Kais B., Schneider KE., Keiter S., Henn K., Ackermann C., Braunbeck T. 2013. *DMSO modifies the permeability of the zebrafish (Danio rerio) chorion-implication for the fish embryo test (FET)*. Aquat Toxicol, 140-141; 229-38.

Kamalden, T.A., Ji D., Fawcett R.J., Osborne N.N. 2011. *Genistein Blunts the Negative Effect of Ischaemia to the Retina Caused by an Elevation of Intraocular Pressure*. Ophthalmic Research. 65-72.

Kazuhiko, Tagawa, Shigeki Marubuchi, Mei-Ling Qi, Yasushi Enokido, Takuya Tamura, Reina Inagaki, Miho Murata Ichiro Kanazawa, Erich E. Wanker, Hitoshi Okazawa. 2007. *The Induction Levels of Heat Shock Protein 70 Differentiate the Vulnerabilities to Mutant Huntingtin among Neuronal Subtypes*. The Official Journal of the Society for Neuroscience, 868-880.

Kiang, JG. 2003. *Genistein inhibits herbimycin A-induced over-expression of inducible heat shock protein 70 kDa*. Mol Cell Biochem, 245(1-2):191-9.

Kim, E-K, Park, J D; S-Y Shim; H-S, Kim. 2006. *Physiological Research*, 55.4 : 405-11.

Kim, Hye-Kyeong, Nelson-Dooley, Cassandra, Della-Fera, Mary Anne, Jeong-Yeh, Yang. 2006. *Genistein Decrease Food Intake, Body Weight, and Fat Pad Weight and causes Adipose Tissue Apoptosis in Ovariectomized Female Mice*. The Journal of Nutrition, 136.2 409-14.

Kimmel, Charles B., Ballard, William W., Kimmel, SR., Ullmann, B., Schilling, TF.

1995. *Stages of Embryonic Development of Zebrafish*. Developmental Dynamics, 203, 255-310.

Kirkegaard, Thomas, Roth, Anke G, Petersen, Nikolaj H T, Mahalka, Ajay

K, Olsen, Ole Dines. 2010. Nature , 549-53.

Kishida, M., Tchoudakova, A., Miller, D.S., Callard, G.V. 1999. *Analysis of the goldfish (Carassius auratus) aromatase (P450arom) gene promoters by green fluorescent protein (GFP) expression in living zebrafish (Danio rerio) embryos*. Bull. Mt. Desert Isl. Biol. Lab. 38: 37.

Koller, Michael F, Mohajeri, M Hasan, Huber, Michael, Wollmer, M Axel, Roth

Z'graggen, Birgit V. 2004. *Active Immunization of Mice with an A β -Hsp70 Vaccine*. Neuro - Degenerative Diseases 1.1, 20-8.

Lieschke, Graham J., Peter D. Currie. 2007. *Animal models of human disease : zebrafish swim into view*. Nature Review, 353-367.

Livak, KJ, Schmittgen TD. 2001. *Analysis of relative gene expression data using real-time quantitative PCR and the 2(-Delta Delta C (T)) Method*. Method, 402-8.

Luigi, Ravagnan, Sandeep Gurbuxani, Santos A. Susin, Carine Maisse, Eric

Daugas, Naoufal Zamzami, Tak Mak, Marja Jaattela, Josef M. Penninger, Carmen Garrido, Guido Kroemer. 2001. *Heat-shock protein 70 antagonizes apoptosis-inducing factor*. Nature Cell Biology, 838-843.

Maehara, Y., Oki E., Abe T., Tokunaga E., Shibahara K., Kakeji Y., Sugimachi K.

2000. *Overexpression of the Heat Shock Protein HSP70 Family and p53*

Protein and Prognosis for Patients with Gastric Cancer. Oncology, 144,151.

Mane, VP, Heuer MA, Hillyer P, Navarro MB, Rabin RL. 2008. *Systematic method for determining an idel housekeeping gene for real-time PCR analysis.* J Biomol Tech, 19 (5); 342-7.

Manuel, Sarasa, Victor Sorribas, Jose Terrado, Salvador Climent, Jose M. Palacios, Gaudalupe Mengod. 2000. *Alzheimer β -amyloid precursor proteins display specific pattern of expressioon during embryogenesis.* Mechanisms of Development, 233-236.

Mayer, MP, Bukau B. 1998. *Hsp70 chaperone system : diversity of cellular functions and mechanism of action.* Biological Chemistry, 379(3):261-268.

Muller, P, Ruckova, E, Halada P., Coates, P J, Hrstka, R, et al. 2013. *C-terminal phosphorylation of Hsp70 and Hsp90 regulates alternate binding to co-chaperones CHIP and HOP to determine cellular protein folding/degradation balances.* Oncogene, 32 (25); 3101-10.

Ravagnan, L, Sandeep Gurbuxani, Santos A. Susin, Carine Maisse, Eric Daugas, Naoufal Zamzami, Tak Mak, Marja Jaattela, Josef M. Penninger, Carmen Garrido, Guido Kroemer. 2001. *Heat-shock protein 70 antagonizes apoptosis-inducing factor.* Nature Cell Bioogy 3, 839-843.

Rerole, AL, Jegu G, Garrido C. 2011 . *Hsp70: anti-apoptotic and tumorigenic protein.* Methods in Molecular Biology, 205-30.

Sacks F.M., Lichtenstein A., Van Horn L, Harris W., Kris-Etherton P., Winston M.

2006. *Soy protein, isoflavones, and cardiovascular health: an American Heart Association Science Advisory for professionals from the Nutrition Committee*. Circulation, 113(7):1034-1044.

Scholz, Stefan, Stephan Fischer, Ulrike Gundel, Eberhard, Till Luckenbach, Doris

Voelker. 2008. *The zebrafish embryo model in environmental risk assessment-applications beyond acute toxicity testing*. Environ Sci Pollut Res, 394-404.

Sherwood, Lauralee. 2012. *Fisiologi Manusia*, 6th Ed., EGC, Jakarta.

Shin, Eui Seok, Hyoung Ho Lee, Si Young Cho, Hyun Woo Park, et al. 2007.

Genistein downregulates SREB P-1 regulated gene expression by inhibiting site-1 protease expression in HepG2 cells. The Journal of Nutrition, 137.5 : 1127-31.

Shu, XO., Jin F., Dai Q. 2001. *Soyfood intake during adolescence and*

subsequent risk of breast cancer among Chinese women. Cancer Epidemiol Biomarkers, 10(5):483-488.

Singh, Ripudaman, Kolvraa, Steen, Bross, Peter, Uffe Birk Jensen. 2006.

Reduced heat shock response in human mononuclear cells during aging and its association with polymorphisms in HSP70 genes. Cell Stress Chaperon, 11 (3): 208-15.

Tabuchi, Yoshiaki, Takashi Kondo. 2013. *Targeting heat shock transcription*

factor 1 for novel hyperthermia therapy. International Journal of Molecular Medicine, 3-8.

- Tamer, Said Abdelkader, Seo-Na Chang, Tae-Hyun Kim, Juha Song, Dong Su Kim, Jae-Hak Park. 2012. *Exposure time to caffeine affects heartbeat and cell damage-related gene expression of zebrafish Danio rerio embryos at early developmental stages*. Journal of Applied Toxicology, 1277-1283.
- Whang Z., Zhang S. 2010. *The role of lysozyme and complement in the antibacterial activity of zebrafish (Danio rerio) egg cytosol*. Fish and Shellfish Immunology, 29 (5) : 773-7.
- Whitsett, Jr., Timothy G, Lamartiniere, Coral A. 2006. *Genistein and resveratrol: mammary cancer chemoprevention and mechanism of action in the rat*. Expert Review of Anticancer Therapy, 1699-706.
- Yeh FL., Hsu T. 2002. *Differential regulation of spontaneous and heat-induce HSP 70 expression in developing zebrafish (Danio rerio)*. The Journal of Experimental Zoology, 293 (4) : 349-59.
- Zhou, Yanhong, Amy S. Lee. 1998. *Mechanism for the Suppression of the Mammalian Stress Response by Genistein, an Anticancer Phytoestrogen From Soy*. The Journal of the National Cancer Institute, 381-388.