

DAFTAR PUSTAKA

- Atasayar, S., Orhan, H., dan Özgüneş, H. 2004. Malondialdehyde Quantification in Blood Plasma of Tobacco Smokers and Non-smokers. *Journal of Pharmaceutical Sciences*. 29: 15-19.
- Ceccariglia, S., D'altocolle, A., Fa', A.D., Silvestrini, A., Barba, M., Pizzolante, F., Repele, A., Michetti, F., dan Gangitano, C. 2014. Increased Expression of Aquaporin 4 in The Rat Hippocampus and Cortex During Trimethyltin-induced Neurodegeneration. *Neuroscience*. 274: 273-288.
- Davidson, C.E., Reese, B.E., Billingsley, M.L., dan Yun, J.K. 2014. Stannin, A Protein That Localizes to The Mitochondria and Sensitizes NIH-3T3 Cells to Trimethyltin and Dimethyltin Toxicity. *Molecular Pharmacology*. 66: 855-863.
- Fabrizi, C., Pompili, Z., Vito, S.D., Somma, F., Catizone, A., Ricci, G., Lenzi, P., Fornai, F., dan Fumagalli, L. 2016. Impairment of The Autophagic Flux in Astrocytes Intoxicated by Trimethyltin. *NeuroToxicology*. 52: 12-22.
- Geloso, M.C., Corvina, V., dan Michetti, F. 2011. Trimethyltin-induced Hippocampal Degeneration As A Tool To Investigate Neurodegenerative Processes. *Neurochemistry International*. 58: 729-738.
- Grotto, D., Maria, L.S., Valentini, J., Paniz, C., Garcia, G.S.S.C., Pombum, V.J., Rocha, J.B.T., dan Farina, M. 2009. Importance of The Lipid Peroxidation Biomarkers and Methodological Aspect For Malondialdehyde Quantification. *Quimica Nova*. 32: 169-174.
- Kasperczyk, S., Dobrakowski, M., Kasperczyk, A., Machnik, G., dan Birkner, E. 2014. Effect of N-acetylcysteine Administration On The Expression and Activities of Antioxidant Enzymes and The Malondialdehyde Level in The Blood of Lead-exposed Workers. *Environmental Toxicology and Pharmacology*. 37: 638-647.
- Kaur, J., Rickman, D., dan Schoonen, M.A. 2016. Reactive Oxygen Species (ROS) Generation by Lunar Simulants. *Acta Astronautica*. 122: 196-208.
- Kim, J., Yang, M., Son, Y., Jang, H., kim, D., Kim, J.C., Kim, S.H., Kang, M.J., Im, H.I., Shin, T., dan Moon, C. 2014. Glial Activation With Concurrent Up-regulation of Inflammatory Mediators in Trimethyltin-induced Neurotoxicity in Mice. *Acta Histochemica*. 116: 1490-1500.
- Kim, J., Kim, C.Y., Song, J., Oh, H., Kim, C.H., dan Park, J.H. 2016. Trimethyltin Chloride Inhibits Neuronal Cells Differentiation in Zebrafish Embryo Neurodevelopment. *Neurotoxicology and Teratology*. 54: 29-35.
- Lee, S., Yang, M., Kim, J., Kim, J., Son, Y., Kwon, S., Kim, S., Kim, J.C., Kang, S.S., Wang, H., Shin, T., dan Moon, C. 2014. Nestin Expression and Glial

- Response in The Hippocampus of Mice After Trimethyltin Treatment. *Acta Histochemica*. 116: 1276-1288.
- Liao, W., Chen, L., Ma, X., Jiao, R., Li, X., dan Wang, Y. 2016. Protective Effects of Kaempferol Against Reactive Oxygen Species-induced Hemolysis and Its Antiproliferative Activity on Human Cancer Cells. *European Journal of Medical Chemistry*. 114: 24-32.
- Lithe, R. 2006. *Autism, Brain, and Environment*. Athenaeum Press, U.K.
- Lovrić, J., Mesić, M., Macan, M., Koprivanac, M., Kelava, M., Bradamante, V. 2008. Measurement of Malondialdehyde (MDA) Level in Rat Plasma After Simvastatin Treatment Using Two Different Analytical Methods. *Periodicum Biologorum*. 110: 63-67.
- Macan, M., Vukšić, A., Žunee, S., Konjevoda, P., Lovrić, J., kelava, M., Štambuk, N., Vrkić, N., dan Bradamante, V. 2015. Effects of Simvastatin on Malondialdehyde Level and Esterase Activity in Plasma and Tissue of Normolipidemic Rats. *Pharmacological Reports*. 67: 907-913.
- Nielsen, F., Mikkelsen, B.B., Nielsen, J.B., Andersen, H.R., dan Grandjean, P. 1997. Plasma Malondialdehyde As Biomarker for Oxidative Stress : Reference Interval and Effects of Life-Style Factors. *Clinical Chemistry*. 43: 1209-1214.
- Nordberg, G.F., Fowler, B.A., Nordberg, M., dan Friberg, L. 2007. *Handbook On The Toxicology of Metals*. Edisi ke-3. Elsevier, London. 853.
- Park, S.K., Jin, D.E., Park, C.H., Seung, T.W., Guo, T.J., Song, J.W., Kim, J.H., Kim, D.O., dan Ho, H.J. 2005. Ameliorating Effects of Ethyl Acetate Fraction From Onion (*Allium cepa* L.) Flesh and Peel in Mice Following Trimethyltin-induced Learning and Memory Impairment. *Food Research International*. 75: 53-60.
- Peeters, K., Lespes, G., Milačić, R., dan Ščančar, J. 2015. Adsorption and Degradation Processes of Tributyltin and Trimethyltin in Landfill Leachates Treated With Iron Nanoparticles. *Environmental Research*. 142: 511-521.
- Pengeti, N.I. 2016. *Pengaruh Pemberian Trimethyltin Chloride pada Gambaran Histopatologis Hepar dan Ren Tikus Wistar Jantan*. Skripsi. Universitas Gadjah Mada, Yogyakarta.
- Philbert, M.A., Billingsley, M.L., dan Reuhl, K.R. 2000. Mechanisms of Injury in The Central Nervous System. *Toxicologic Pathology*. 28: 43-53.
- Ramakhrisnan, P., Maclean, M., MacGregar, S.J., Anderson, J.G., dan Grant, M.H. 2016. Cytotoxic Responses to 405 nm Light Exposure in Mammalian and Bacterial Cells : Involvement of Reactive Oxygen Species. *Toxicology in Vitro*. 33: 54-62.
- Ren, X., Wu, X., Sui, G., Gong, Z., Yawson, E., Wu, B., Lai, G., Ruan, X., Gao, H., Zhou, F., Su, B., Olson, J.R., dan Tang X. 2015. Chronic Trimethyltin

- Chloride Exposure and The Development of Kidney Stones in Rats. *Journal of Applied Toxicology*. 35: 500-507.
- Rexroth, S., Poetsch, A., Rögner, M., Hamann, A., Werner, A., Osiewacz, H.D., Schäfer, E.R., Seelert, H., dan Dencher, N.A. 2012. Reactive Oxygen Species Target Specific Tryptophan Site in the Mitochondrial ATP Synthase. *Biochimica et Biophysica Acta*. 1817 : 381-387.
- Rismayawati, M. 2016. *Pengaruh Pemberian Trimethyltin Terhadap Berat Otak, Berat Badan, dan Kadar Malondialdehyde Otak Tikus Putih*. Skripsi. Universitas Gadjah Mada, Yogyakarta.
- Sharma, S.L., Chokshi, S.A., Desai, D., Mewada, H., dan Singh, A. 2013. Non-enzymatic Antioxidants, Malondialdehyde, and Total Antioxidant Activity as Markers of Oxidative Stress in Arthritis and Rheumatoid Arthritis. *NHL Journal of Medical Sciences*. 2: 57-60.
- Shin, E.J., Suh, S.K., Lim, Y.K., Jhoo, W.K., Hjelle, O.P., Ottersen, O.P., Shin, C.Y., Ko, K.H., Kim, W.K., Kim, D.S., Chun, W., Ali, S., dan Kim, H.C. 2005. Ascorbate Attenuates Trimethyltin-induced Oxidative Burden and Neuronal Degeneration in The Rat Hippocampus by Maintaining Glutathione Homeostasis. *Neuroscience*. 133: 715-727.
- Stoner, H.B., Barnes, J.M., dan Duff.J.I. 1955. Studies On The Toxicity of Alkyl Tin Compounds. *British Journal of Pharmacology*. 10: 16-25.
- Tang, X., Yang, X., Lai, G., Guo, J., Xia, L., Wu, B., Xie, Y., Huang, M., Chen, J., Ruan, X., Sui, G., Ge, Y., dan Zuo, W. 2010. Mechanism Underlying Hypokalemia Induced by Trimethyltin Chloride : Inhibition of H⁺/K⁺-ATPase in Renal Intercalated Cells. *Toxicology*. 271: 45-50.
- Varma, M., Makwane, H., Kare, P.K., Jha, R.K., dan Parmar, A. 2016. Study of Serum Ferritin, Serum Uric Acid and Plasma Malondialdehyde (MDA) Levels in Non-alcoholic Fatty Liver Disease. *International Journal of Biomedical and Advance Research*. 7(4) : 169-174.
- Vecchi, A.F., Bamonti, F., Novembrino, C., Ippolito, S., Guerra, L., Lonati, S., Salini, S., Aman, C.S., Scurati-Manzoni, E., dan Cighetti, G. 2009. Free and Total Plasma Malondialdehyde in Chronic Renal Insufficiency and in Dialysis Patients. *Nephrol Dial Transplant*. 24 : 2524-2529.
- Weig, B.C., Richardson, J.R., Lowndes, H.E., dan Reuhl, K.R. 2016. Trimethyltin Intoxication Induces The Migration of Ventricular/ Subventricular Zone Cells to The Injured Murine Hippocampus. *NeuroToxicology*. 54: 72-80.
- Wuryastuti, H. 2000. The Influence of Dietary Protein and Fats on Plasma Lipids in Sprague-Dawley Rats. *Indonesian Food and Nutrition. Progress*. 7: 37-41.
- Yuliani, S., Wasito, Wuryastuti, H. 2002. Pengaruh Pemberian Vitamin E Terhadap Kadar Malondialdehid Plasma pada Tikus Yang Diberi Pakan Lemak Tinggi. *Jurnal Sain Veteriner*. 20: 9-14.



Zajac, A.K., Brzoza, Z., Rogala, B., Polaniak, R., dan Birkner, E. 2008. Antioxidant Enzyme Activity and Malondialdehyde Concentration in The Plasma and Erythrocytes of Patients With Urticaria Induced by Nonsteroidal Anti-inflammatory Drugs. *Journal of Investigational Allergology and Clinical Immunology*. 18: 372-375.