

DAFTAR PUSATAKA

- Abeer M. Waggas. 2009. *Neuroprotective Evaluation of Extract of Ginger (Zingiber officinale) Root in Monosodium GlutamateInduced Toxicity in Different Brain Areas Male AlbinoRats*. Pakistan Journal of Biological Science 12(3): 201- 212, 2009
- Acharya, U., Mishra, M., Tripathy, R., & Mishra, J. 2006. *Testicular dysfunction and antioxidant defence system of Swiss mice after chromic acid exposure reprod toxicol*, 22, 8-91
- Ackman, R.G. 1982. *Fatty acid composition of fish oil.In Nutritional Evaluation of Long Chain Fatty Acid in Fish Oil*.Barlow S.M. and Stasby (Ed).AkademicPress Ltd. London.
- Aidos, I. C., Jacobsen, B., Jensen, J. B., Luten, A., Padt, R. M., Boom. 2002. *Volatile Oxidation Products Formed in Crude Herring Oil Under Accelerated Oxidation Condition. Journal Lipid Science Technology*. 4. 148-161
- Anonimus. 2006. MSG dan Kesehatan. <http://www.infosehat.com> [Accessed 13 Januari, 2013]
- Anwar, F. 2008. Sumber Asam lemak omega-3. Jakarta. 12-15.
- Ardyanto, T. D. 2004. MSG dan Kesehatan : Sejarah, Efek dan Kontroversi. *Standart of Asean Herbal Medicine Vol. 1*.
- Avramovic, N., Dragutinovic, V., Krstic, D., Colovic, M., Trbovic, A., de Luka, S., Milovanovic, I., Popovic, T. 2012. *The effects of omega 3 fatty acid supplementation on brain tissue oxidative status in aged wistar rats*. Hippokratia, 16(3), 241–245.
- Aziztama, R. 2012. Pengaruh Pemberian Vitamin C Terhadap Gambaran Histologi Otak Mencit Jantan Dewasa (Mus Musculus L) yang diinduksi Monosodium Glutamat. Bandar Lampung: Fakultas Kedokteran Universitas Bandar Lampung.
- Babu, G.N., Bawari, M., dan Ali, M. 1994. *Lipid peroxidation potential and antioxidant status of circumventricular organ of rat brain following neonatal monosodium glutamat*. Neurotoxicologgi, 15, 778-7
- Badan Penelitian dan Pengembangan Kesehatan Kementerian Kesehatan RI. 2013. Riset Kesehatan Dasar (Riskesdas) 2013. Jakarta.

- Cole, T.G., Klotzsch S.G., and J.Mn. Namara. 2005. *Measurement of triglyceride concentration*. In: Rifai N, Warnick GR, Dominiczak, M.H. Handbook of lipoprotein testing. Washington. 115.
- Dahlan, S.M. 2014. Statistik untuk Kedokteran dan Kesehatan: Deskriptif, Bivariat dan Multivariat. Salemba Medika. Jakarta. 30-32.
- Debusk, R. F. Clark, M., Ghandour, G., Miller, N. H., Taylor, C. B., Bandura, A.,
2007. *Development and evaluation of a computer-based system for dietary management of hyperlipidemia. Journal of the American Dietary Association*, 97, 146-150.
- Depkes. 2014. <http://depkes.go.id/otakdansaraf.html> [Akses 14 Juli 2014]
- Diniz, Y. S., Faine, L. A., Galhardi, C. M., Rodriges, H. G., Ebaid, G. X., Burneiko, R. C., Cicogna, A. C. & Novelli, E. L. 2005. *Monosodium glutamate in standart and high-fiber diets : metabolic syndrome and oxydative stress in rats. Nutrition*. 21: 749-55.
- Drevon, Christian, A. 2009. *Omega-3 Fatty Acids (Metabolism and Mechanism of Action of Essential Fatty Acids)*. German: Moller's Grunnlagt
- El-Shobaki, F.A., Mahmoud, M.H., Attia, A.E.M., Refaat, O.G., El-Haggar, E.F. 2016. *The Effect of Monosodium Glutamate (MSG) on Brain Tissue, Oxidation State, True Cholinesterase and Possible Protection against Health Hazards Using Natural Spices. Der Pharma Chemica*, 8(23):44-50.
- Eroschenko, V. P. 2003. In *Atlas Histologi diFiore dengan Korelasi Fungsional*. (pp. 153-162). Jakarta. 148-157.
- Fauzi, T. M. 2008. Pengaruh pemberian timbal asetat dan vitamin c terhadap peroksidasi lipid dan kualitas spermatozoa di dalam sekresi epididimis mencit jantan (mus musculus L) strain DD. *Biomedic*. Medan, Sumatera Utara
- FDA. 2011. FDA and monosodium glutamate (MSG) available at <http://www.fda.gov/opacom/backgrounder/msg.html>.
- Felix ML, Velazquez M. 2002. *Current status of lipid nutrition white shrimp, Litopenaeus vannamei. Food Chem*, Vol. 96: 36-45.
- Guyton, A. dan John E. 2006. Buku Ajar Fisiologi Kedokteran Edisi 11. Jakarta. 701-710.

- Guyton, A., & Hall, J. 2009. *Pocket Companion to Guyton & Hall Textbook of Medical Physiology* (11 ed.). Jakarta.446-447
- Hadi, S. A. 2006. Pengaruh berbasis dosis MEPP dan kadar protein pakan terhadap protein plasma dan titer hemagglutinasi inhibisi ND pada ayam niaga pedaging. Skripsi Fakultas Peternakan. Universitas Jenderal Soedirman
- Hajianfar, H., Paknahad, Z., & Bahonar, A. 2013. *The Effect of Omega-3 Supplements on Antioxidant Capacity in Patients with Type 2 Diabetes. International Journal of Preventive Medicine*, 4(Suppl 2), 234–S238.
- Hashem HE, El-Din Safwat MD, Algaidi S, 2012, *The effect monosodium glutamate on the cerebellar cortex of male albino rats and the protective role of vitamin C (histological and immunohistochemical study)*, J MolHistol, vol.43, no. 2.179-86.
- Hoare S, Lithander F, van der Mei I, Ponsonby AL, Lucas R. *Higher intake of omega-3 polyunsaturated fatty acids is associated with a decreased risk of a first clinical diagnosis of central nervous system demyelination:Results from the Ausimmune Study*. Mult Scler. 2016;22(7):884–92.
- Hongjian, P., Yanling, G., & Zhang, W. 2013, June 26. *Omega-3 Polyunsaturated Fatty Acid Supplementation Improves Neurologic Recovery and Attenuates White Matter Injury after Experimental Traumatic Brain Injury. Journal of Cerebral Blood Flow & Metabolism*, 1474-1484.
- Husarova, V., & Ostatnikova , D. 2013. *Monosodium Glutamate Toxic Effect and their Implications for Human Intake: A Review. JMED Research*, 1-12.
- Jho, D. H., Cole, S. M., Lee, E. M., Espat, J. 2004. Role of Omega 3 Fatty Acid Supplementation in Inflammation and Malignancy. *Integrative Cancer Therapies*, 98-111
- Julius, G. 2010. *Omega-3 Increase Brain Volume*. NCBI: Life Extension.
- Junqueira, L. 2007. Histologi Dasar: *Teks dan Atlas Edisi 10*. Jakarta. 389.
- Junquiera, L. C., & Anthony, L. M. 2010. Junqueira's Basic Histology: Text and Atlas 12th Edition. *McGraw-Hill Medical*:371.
- Jusuf AA, Antarianto RD. 2009. Aspek Histologi dalam Neurosains. Jakarta: Departemen Histologi Fakultas Kedokteran Universitas Indonesia.

- Konrad, S. P., Farah, V., Rodrigues, B., Wichi, R. B., Machado, U. F., Lopes, H. F., D'Agord Schaan, B., De Angelis, K. & Irigoyen, M. C. (2012). *Monosodium Glutamate Neonatal Treatment Induces Cardiovascular Autonomic Function Changes in Rodents*. Sao Paulo. 67(10), 1209-14.
- Kusumawati.2004. Bersahabat dengan Hewan Coba. Yogyakarta, 8, 80
- Laymena, E. 2012. Pengaruh Formalin Peroral Dosis Bertingkat Selama 12 minggu Terhadap Gambaran Histopatologi Otak Tikus Wistar. Semarang: [Skripsi] Universitas Diponegoro.
- McVeigh, C., Passmore, P. 2006. *Vascular Dementia Prevention and Treatment*. Review Clinical Intervention in Aging. vol 1(3):229-35
- Park CH, Choi SH., Piao Y, Kim, SH, Lee YJ, Jeong SJ, Rah JL, Seo JH, Chang KA, Syh YA, 2000. *Glutamate and Aspartate Impair Memory Retention and Damage Hypothalamic Neurons in Adult Mice*. Toxicol. Letter. 117-25
- Park, H., Park, M., Choi, J., & Jaewon, L. 2010, October 4. *A high-fat diet impairs neurogenesis: Involvement of Lipid Peroxidation and Brain Derived Neurotrophic Factors*. Neuroscience Letter, 482(3), 235-239.
- Perkasa, R. Y. 2015. Pengaruh Pemberian Jahe Merah (*Zingiber officinale* var. *rubrum*) terhadap Nekrosis Otak Serebellum Tikus Putih (*Rattus norvegicus*) yang diinduksi oleh Monosodium Glutamat . Malang: Fakultas Kedokteran Universitas Muhammadiyah Malang.
- Prastiwi, D., Djunaidi, A., & Partadiredja, G. 2015. *High Dosage of Monosodium Glutamate causes Deficits of the Motor Coordination and the Number of Cerebellar Purkinje Cells of Rats*. Human and Experimental Toxicology, 34, 1171-1179.
- Price, S & Wilson, L, 2006. Patofisiologi: Konsep Klinis Proses-Proses Penyakit. Edisi 6. Jakarta. 567-569.
- Priyanto. 2007. Toksisitas Obat, Zat Kimia dan Terapi Antidotum. Leskonfi. Depok. 5, 9, 34.
- Rachael, P. 2011. *The Omega-3 Fatty Acid Composition and Cost Analysis of Fish Oil Supplements: Fishing for the Best Deals*. The Ohio State of University
- Razali, R. 2015. Monosodium Glutamat (MSG) dan Efek Neurotoksisitasnya Pada Sistem Saraf Pusat. Proceeding Temu Ilmiah: Konsep Mutakhir Tatalaksana Berbagai Persoalan Medis. Fakultas Kedokteran Universitas Syiah kuala. 159-163.

- S Meydan, M. A. 2012. *The protective effects of omega-3 fatty acid against toluene induced neurotoxicity in prefrontal cortex of rats.* Sage Pub.
- Simon, H., Muhartomo, H., Pudjonarko, D. 2013. Pengaruh Pemberian Monosodium Glutamat peroral terhadap Degenerasi Neuron Piramidal CA1 Hipokampus pada Tikus Wistar. *Medica Hospitali*, vol 1(3):175-181
- Sartika, R. 2008. Pengaruh Asam Lemak Jenuh, Tidak Jenuh dan Asam Lemak Trans terhadap Kesehatan. Jakarta. 50-57.
- Sherwood, L. 2014. Fisiologi Manusia (8 ed.). (H. Octavius, & D. Ramadhani, Eds.) Jakarta.587-590.
- Siagian, M., Jusuf, A. A., Handini, M. 2014. Pengaruh Pajanan Monosodium Glutamat terhadap Fungsi dan Gambaran Histologis Ginjal serta Perubahannya Pasca Penghentian Pajanan
- Siegert, E., Paul, F., & Rothe, M. 2017. *The Effect of Omega 3 Fatty Acid on Central Nervous System in Fat-1 Mice.* BMC Neurosci, 1-9.
- Smith, J.& M. 1988. Pemeliharaan, Pembibitan, dan Penggunaan Hewan Percobaan di Daerah Tropis. Jakarta. 230-235.
- Sukawan Uke Yohani, 2008, Efek Toksik Monosodium Glutamat (msg) Pada BinatangPercobaan,<<http://www.ukip.ac.id/journaldown/EfekToksikMonosodiumGlutamatadaBinatangPercobaan.pdf>>
- Supranto, J. 2009. Statistik Teori dan Aplikasi Edisi Ketujuh. Jakarta: Erlangga.
- Tjandra, Aditya. 2010. Pengaruh pemberian dekstrometorfan dosis bertingkat terhadap gambaran histopatologis otak tikus. Skripsi.
- Tortora, GJ, Derrickson, B. 2012. *Principles of Anatomy & Physiology 13th Edition.* United States of America: John Wiley & Sons, Inc.
- World Health Organization. 2006. Geneva. 420-421.
- Wolf, A. P. 1931. *The Histopathology of Nutritional Encephalomalacia of Chicks.* J. Exp Med, 1-11, 399-405.
- Zararsiz, I., Meydan, S., Sarsilmaz, M., Songur, A., Ozen, O. A., Sogut, S. 2011. *Protective effect of Omega-3 essential fatty acids against formaldehyde induced cerebellar damage in rats.* Toxicology and Industrial Health, 27(6). 489-495.