

## DAFTAR PUSTAKA

1. Samuels, A. The Toxicity/Safety of MSG: A Study in Suppression of Information. *Accountability in Research*. 1999; Vol. 6. No. 4: 259-310.
2. Ronald W, John RL. The Safety Evaluation of Monosodium Glutamate. *J Nutr*. 2000; 130: 1049-52.
3. Astuti N. Studi tentang pemakaian Monosodium Glutamat (MSG) beserta faktor-faktor yang berhubungan pada pedagang bakso di sekitar kampus Undip Tembalang. [skripsi]. Semarang: Fakultas Kesehatan Masyarakat, Universitas Diponegoro; 2003.
4. Geha, R., Beiser, A., Ren, C., Patterson, R., Greenberger, P., Grammer, L., Ditto, A., Harris, K., Saughnessy, M., Yarnold, P., Corrent, J., dan Saxon, A. Review of Alleged Reaction to Monosodium Glutamat and Outcome of a Multicenter Double-blind Placebo-controlled Study. *The Journal of Nutrition*. 2000; 130: 1058-62.
5. Farombi, E. O. & Onyema, O. O. Monosodium Glutamate-induced Oxidative Damage And Genotoxicity In The Rat: Modulatory Role of Vitamin C, Vitamin E And Quercetin. *Hum Exp Toxicol*. 2006; 25: 251-9.
6. Sukawan, U. Y. Efek Toksik Monosodium Glutamat (MSG) Pada Binatang Percobaan. [Tesis]. Jakarta: Fakultas Kedokteran Universitas Kristen Indonesia; 2008.
7. Megawati, E. R. Penurunan Jumlah Sperma Hewan Coba Akibat Paparan Monosodium Glutamat. [Tesis]. Medan: Fakultas Kedokteran Universitas Sumatera Utara; 2008.
8. Abass, M. Haleem, M. Evaluation of Monosodium Glutamate Induced Neurotoxicity and Nephrotoxicity in Adult Male Albino Rats. *Journal of American Science*. 2011; 7(8): 264-76.
9. Gao, X, Xu, X, Pang, J, Zhang, C, Ding, JM, Peng, X, Liu,Y, Cao, JM. NMDA receptor activation induces mitochondrial dysfunction, oxidative stress and apoptosis in cultured neonatal rat cardiomyocytes. *Physiol Res*. 2007; 56: 559-69.

10. Eweka, A.O. Histological Studies of the Effect of Monosodium Glutamate on the Kidney of Adult Wistar Rats, *Internet J. of Health*. 2007; 6 (2) ISSN: 1528-8315.
11. Eroschenko, Victor P. *Atlas Histologi diFiore: dengan Korelasi Fungsional* Ed.11. Jakarta: EGC; 2008.
12. Gill, Santokh., Olga Pulido. *Glutamate Receptors in Peripheral Tissue: Excitatory Transmission Outside the CNS*. New York: Plenum Publishers; 2005.
13. Ronconi, Elisa. et. al. Regeneration of Glomerular Podocytes by Human Renal Progenitors. *Journal of the American Society of Nephrology*. Italy: University of Florence; 2009. 322-32.
14. Pramadi D. Flavor Enhancer dalam Produk Pangan. *Food Review*. 2006; 29-32.
15. Freeman, M. Reconsidering the Effects of Monosodium Glutamate: a literature review. *J Am Acad Nurse Pract*. 2006; 18(10): 482-6.
16. Mulyono. *Kamus Kimia*. Jakarta: Bumi Aksara; 2008.
17. Sabri, E. et al. Efek Pemberian Monosodium Glutamat (MSG) terhadap Perkembangan Embrio Mencit (*mus musculus l.*) Strain DDW Selama Periode Praimplantasi hingga Organogenesis. *Jurnal Biologi Sumatera*1. 2006; 1: 8-14.
18. Winarno FG. *Keamanan Pangan Jilid 2*. Bogor: Mbrion Press; 2004.
19. Sand, Jordan. A Short History of MSG. *Gastronomica*. 2005; 5(4): 38-49.
20. Ardiyanto, T. D. MSG dan Kesehatan: Sejarah, Efek dan Kontroversinya. *Kesehatan*. 2004; 1: 52-5.
21. Sheerwood, Lauralee. *Fisiologi Manusia*. Edisi 6. Jakarta: EGC; 2009.
22. Curthoys, NP. Gstraunthaler G. Mechanism of increased renal gene expression during metabolic acidosis. *Am J Physiol Renal Physiol* 2001; 281: 381-90.
23. Pieper MJ, Flor PJ, Dinan TG, dan Cryan JF. Exciting times beyond the brain: metabotropic glutamate receptors in peripheral and non-neural tissues. *Pharmacol Rev*. 2011; 63:35-58.

24. Stegink, L., Filler, L., dan Bake, G. Monosodium Glutamate Metabolism in the Neonatal Pig: Effect of Bad on Plasma, Brain, Muscle and Spinal Fluid Free Amino Acid Levels. *Journal of Nutrition*. 1973; 103: 1138-45.
25. FDA. FDA and Monosodium Glutamate (MSG). 1995. <http://www.fda.gov/opacom/backgrounders/msg.html>. diakses 21 Desember 2013.
26. Konrad, S. P., Farah, V., Rodrigues, B., Wichi, R. B., Machado, U. F., Lopes, H. F., D'Agord Schaan, B., De Angelis, K. and Irigoyen, M. C. Monosodium Glutamate Neonatal Treatment Induces Cardiovascular Autonomic Function Changes in Rodents. *Clinics (Sao Paulo)*. 2012; 67(10): 1209-14.
27. Lipovac, M.N. Holland, T. Poleksic, A. Killian, C. Lajtha, A. The Possible Role of Glutamate Uptake in Metaphit-induced Seizures. *Neurochem Res*. 2003; 28(5): 723-31.
28. Morison J, et al. Sensory and Autonomic Nerve Changes in the Monosodium Glutamate-Treated Rat: a model of type II diabetes. *Experimental Physiology*. 2007; 93: 213-22.
29. Nayatara, A. K. Vinodini, N. A., Damodar, G., Ahemed, B., Ramaswamy, C. R., Shabarianth, Ramesh Bhat, M. Role of ascorbic acid in monosodium glutamate mediated effect on testicular weight, sperm morphology and sperm count, in rat testis. *Journal of Chinese Clinical Medicine*. 2008; 3(1): 1-5.
30. Leeson, C.R., Leeson, T.S., Paparo, A. *Buku Ajar Histologi*. Ed. 5. Jakarta: EGC; 1996.
31. Watson, R. *Anatomy and Physiology for Nurses*, Bell Tillington; 2002.
32. Gartner, J. P., Hiatt, J. L. *Color Textbook of Histology*. 3<sup>th</sup> Edition. Philadelphia: Elsevier Saunders; 2007.
33. Junqueira, LC, Carneiro, J. *Basic Histology, Text and Atlas*, 11<sup>th</sup> Ed. USA: McGraw Hill Companies; 2007.
34. Ganong, W.F. *Review of Medical Physiology*. 22<sup>nd</sup> Ed. USA: McGraw Hill Companies; 2005.
35. Sheerwood, Lauralee. *Fisiologi Manusia*. Edisi 6. Jakarta: EGC; 2009.

36. Attia, HA, Faddah, LM, Yaqub, H. Trans-retinol Precursor and/or N-Acetyl Cysteine Protects Against Monosodium Glutamate-induced Nephrotoxicity in Rats. *Journal of Applied Sciences Research*. 2008; 4(12): 2108-19.
37. Muliani, H. Daya Pemacu Pertumbuhan Monosodium Glutamat dan Efek Sampingnya pada Ren Ayam (*Gallus sp*), *J.Indon.Trop.Anim.Agric*. Desember 2006; 31 [4].
38. Kumar, V, Abbas, AK, Fausto, N. *Pathology Basic of Disease*, 8<sup>th</sup> Ed. Philadelphia: WB Saunders Company; 2010.
39. Underwood, J.C.E. *Patologi Umum dan Sistemik*. Vol.2. 2<sup>nd</sup> ed. Jakarta: EGC; 2000.
40. Rang HP, Dale MM, Ritter JM, Flower RJ, Henderson G. *Rang and dale's pharmacology* 7<sup>th</sup> ed. USA: Elsevier Churchill Livingstone; 2011.
41. Blaylock R.L. *Excitotoxins, Neurodegeneration and Neurodevelopmental*. The Medical Sentinel Journal; 2000.
42. Blumenthal D, Brunton L, Buxton I, parker K. *Goodman and gilman: manual farmakologi dan terapi*. Jakarta: Penerbit Buku Kedokteran EGC; 2010. H. 187-97.
43. Contini, María del Carmen. Néstor Millen. Luisina Riera. Stella Mahieu. *Kidney and Liver Functions and Stress Oxidative of Monosodium Glutamate-Induced Obese Rats*. *Food and Public Health*. 2012; 2(5): 168-77.
44. Onaolapo, Adejoke Yetunde., Olakunle, J.O., Tolulope, J.M., Onigbinde, O.A., Oyeleke, A. *A Histological Study of the Hepatic and Renal Effects of Subchronic Low Dose Oral Monosodium Glutamate in Swiss Albino Mice*. *British Journal of Medicine & Medical Research*. 2011; 3(2): 294-306.
45. Al-Agha, Salam Z. *Histological, Histochemical and Ultrastructural Studies on the Kidney of Rats After Administration of Monosodium Glutamate*. Gaza Palestine: Al-Aqsa University; 2007.
46. Zulfiani. *Pengaruh Pemberian Vitamin C dan E Terhadap Gambaran Histologis Ginjal Mencit (*Mus musculus L.*) yang Dipajankan Monosodium Glutamat (MSG)*. [Tesis]. Medan: Fakultas Kedokteran Universitas Sumatera Utara; 2011.

47. Cotran, R.S., Michel, M.D., Ramzi, S. and Richard, N. Jejas, Adaptasi dan Kematian Sel. In: Robins Pathologic Basic of Disease. Ed.7. Alih Bahasa: Prasetyo A, Pendit UB, Priliono T. Volume 1. Jakarta: EGC; 2007.
48. Shimizu, A. Masuda, Y. Kitamura, H. Ishizaki, M. Sugisaki, Y. Yamanaka, N. 1998. Recovery of Damaged Glomerular Capillary Network with Endothelial Cell Apoptosis in Experimental Proliferative Glomerulonephritis. [Abstract]. *Nephron*. 2000; 79(2): 206-14.
49. Nonclercg, D. Wrona, S. Toubeau, G. Zanen, J. Heuson-Stiennon JA. Schaudies RP. Laurent G. Tubular Injury and Regeneration in the Rat Kidney Following Acute Exposure to Gentamicin: a time-course study. [Abstract]. *Ren Fail*. 1992; 14(4): 507-21.
50. Lin, Fangmin. Ashley Moran. Peter Igarashi. Intrarenal cells, not bone marrow-derived cells, are the major source for regeneration in postischemic kidney. *Journal of Clinical Investigation*. 2005; 115(7): 1756–64.
51. Balogh, Peter., Peter Engelmann. Transdifferentiation and Regenerative Medicine; Kidney Regeneration. 2011. [http://www.tankonyvtar.hu/hu/tartalom/tamop425/0011\\_1A\\_Transzdifferentiacia\\_en\\_book/ch01s11.html](http://www.tankonyvtar.hu/hu/tartalom/tamop425/0011_1A_Transzdifferentiacia_en_book/ch01s11.html) diakses pada 21 Juni 2014.
52. Anil S dan Rajendran. Shafer's textbook of oral pathology 6<sup>th</sup> edition. Elsevier. 2009; 935-53.
53. Lieberthat, W. Menza S.A. Levine J.S. Graded ATP depletion can cause necrosis or apoptosis of cultured mouse proximal tubular cells. *Am J Physiol*. 1998; 274: 315-27.
54. Anggriani, Y. W. Pengaruh Pemberian Teh Kombucha Dosis Bertingkat Per Oral Terhadap Gambaran Histologi Ginjal Mencit BALB/C. *Artikel Karya Tulis Ilmiah*. Semarang: Universitas Diponegoro; 2008.
55. Simon H, Muhartomo H, Pudjonarko. Pengaruh pemberian monosodium glutamat peroral terhadap degenerasi neuron piramidal CA1 hipokampus pada tikus wistar. *Med Hosp* 2013;1(3):175-81.

56. Li, Yue. And Rebecca A. Wingert. Regenerative Medicine For the Kidney: Stem Cell Prospects & Challenges. Clinical and Translational Medicine. 2013; 2:11.

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