

## DAFTAR PUSTAKA

1. Adrienne S. The toxicity-Safety of MSG. *Acct. Res.* 1999;6(4): 259-310.
2. IFIC. Review of monosodium glutamate, examining the Myths. 1994.
3. Ikeda K. On the taste of the salt of glutamic acid. *J Tokyo Chem Soc.* 1909; 30: 820-36.
4. Zhou BF, Stamler J, Dennis B, Moag-Stahlberg A, Okuda N, Robertson C, et al. Nutrient intakes of middle-aged men and women in China, Japan, United Kingdom, and United States in the late 1990s: the INTERMAP study. *J Hum Hypertens.* 2003;17(9):623–30.
5. Prawirohardjo W, Dwiprahasto, Kelly, dkk. The Administration to Indonesian of Monosodium Glutamate in Indonesian Food and assessment of adverse reaction in a randomized double blind cross over, Placebo dash control studies, *J Nutr.* 2000;103(S):1074-6.
6. Russel L, and Blaylock F. Excitotoxins—The taste that kills. Health press, Santa Fe, NM. Book Review. 1994. ISBN: 0-929173-14-7.
7. Snell RS. Neuroanatomi Klinik untuk Mahasiswa Kedokteran. Edisi Ke-5. Jakarta:EGC. 2006. 313p.
8. Mescher AL. Histologi Dasar Junqueira: Teks dan Atlas. Edisi Ke-12. Jakarta:EGC.2009.147p.
9. Musa MA, and Sunday MA. Clumping of the Nuclei Material of Pyramidal Cells of Adult Wistar Rats Following Oral Administration of Monosodium Glutamate. *Journal of Medical and Health Sciences.* 2013. ISSN: 2319–9865.
10. Alao OA, Ashalou JO, Ghazal OK, and Ukwenya VO. Histological and Biochemical effects of MSG on frontal lobe of Adult Wistar Rats. *International Journal of Biomedical and Health Science.* 2010; 6 (4).
11. Synder EY, Yoon C, Flax JD, and Macklis JD. Multipotent neural precursors can differentiate toward replacement of neurons undergoing targeted apoptotic degeneration in adult mouse neocortex. *Proc. Natl Acad Sci.USA* 94, 11663-11668.1997

12. Samuels A. The Toxicity/Safety of MSG: A study in suppression of information. *Acctabil Resch.* 1999;6(4):259–310.
13. Ault A. The monosodium glutamate story: the commercial production of MSG and other amino acids. *J Chem Educ.* 2004 Mar 1;81(3):347.
14. Halpern BP. What's in a name ? Are MSG and Umami the same ? *Chem. Sense,* 2002. 27; 845-846.
15. Newsholme P, Joaquim P, Lima MRL, Pithon-Curi TC, dan Curi R. Glutamine and glutamate-their central role in cell metabolism and function.2003;21:1-9.
16. Stegink LD. Aspartate and glutamate metabolism of Aspartame. New York, Marcel Dekker, pp:47-76.
17. Garattini S. Glutamic Acid, Twenty Years Later. *J Nutr.*2000;130:9018-98.
18. Behar KL, Rothman DL. In vivo NMR studies of glutamates-GABA-glutamine cycling in rodent and human cortex:the central role of glutamine. *J. Nutr.*2001;131:2498-2504.
19. Rothman DL, Sibson NR, Hyder F, Shen J, Behar KL, Shulman RG. In vivo nuclear magnetic resonance spectroscopy studies on the relationship between the glutamate-glutamine neurotransmitter cycle and functional neuroenergetics. *Phil Trans R Soc Lond B.*1999;354:1165-1177.
20. Shulman RG, Rothman DL. Interpreting functional imaging studies in terms of neurotransmitter cycling. *Proc Natl Acad Sci USA.* 1998;95:11993-11998.
21. Mc Kenna MC, Sonnewald U, Huang X, Stevenson J, dan Zielke HR. Exogenous glutamate concentration regulates the metabolic fate of glutamate in astrocytes. *J. Neurochem.*1996;66:386-393.
22. Erecinska M, Silver IA. Metabolism and role of glutamate in mamalian brain. *Prog Neurobiol.*1990;35:245-296.
23. Balazs R, Machiyama Y, Hammond BJ, Julian T, Richter D. The operation of the g-aminoutyrate by path of the tricarboxylic acid ccle in bran tissue in vitro. *J. Biochem.*1970;116:445-461.

24. Ali MM, Bawari M, Misra UK, Babu GN. Locomotor and learning deficits in adult rats exposed to monosodium-L-glutamate during early life. *Neurosci Lett.* 2000; 284 (1-2):57-60.
25. Rang HP, Dale MM, Ritter JM, Flower RJ, Henderson G. Rang and Dale's Pharmacology. Seventh Edition. London:Churchcill Livingstone.2011.
26. Blackstone CD, Huganir RL. Molecular structure of glutamate receptor. Di Stone TW, ed, CNS Neurotransmitters and Neuromodulator. Glutamate. CRC Press, Boca Raton.1995.53-G.
27. Hardman JG, Limbird LE. Goodman and Gilman Dasar Farmakologi Terapi. Edisi ke-10. McGraw Hil.2011. 298.
28. Ghadim H, Kumar S, & Abaci F. Studies on monosodium glutamate ingestion. *Biochemical Medicine.*1971;5:447–456.
29. Folkers K, Shizukuishi S, Scudder SL, Willis R, Takemura K, & Longenecker J. B.Biochemical evidence for deficiency of vitamin B6 in subjects reacting to monosodium L-glutamate by the Chinese restaurant syndrome. *Biochemical and Biophysical Research Communications.*1981;100:972–977.
30. Kenney RA. The Chinese restaurant syndrome: An anecdote revised. *Food and Chemical Toxicology.* 1986;24:351–354.
31. Food and Drug Administration, <http://www.cfsan.fda.gov/~dms/fdacmsg.html>.
32. Woessner KM, Simon RA, Stevenson DD. 1999. Monosodium glutamate sensitivity in asthma. *J Allergy Clin Immunol.* 1999. Aug;104(2 Pt 1):305-10.
33. Gartner LP, and Hiaat JL. Color Textbook Histology. Third Edition. Philadelphia:W.B. Saunders Company.2007. 215p.
34. Guyton AC, dan Hall JE. Buku Ajar Fisiologi Kedokteran Edisi Ke-11. Jakarta:EGC.2007.750p.
35. Megías M, Emri Z, Freund TF, Gulyás AI. Total number and distribution of inhibitory and excitatory synapses on hippocampal CA1 pyramidal cells. *Neuroscience.* 2001;102(3):527–40.

36. Elston GN. Cortex, cognition and the cell: new insights into the pyramidal neuron and prefrontal function. *Cereb Cortex*. 2003;13 (11): 1124–38.
37. García-López P, García-Marín V, Freire M. Three-dimensional reconstruction and quantitative study of a pyramidal cell of a Cajal histological preparation. *J Neurosci*. 2006;26 (44): 11249–52.
38. Walker R, and Lupien JR. The Safety evaluation of Monosodium Glutamate. *J Nutr*. 2000;130:1049S-1052S.
39. Horner PJ, and Gage FH. Regenerating the damaged central nervous system. California:Macmillian Magazine Ltd. 2000. 407.
40. Temple Sally. The developmental of neural stem. California:Macmillian Magazine Ltd. 2001. 414.
41. Lee WJ, Hawkins RA, Vin˜a JR, Peterson DR. Glutamine transport by the blood-brain barrier: a possible mechanism for nitrogen removal. *Am J Physiol* 1998;274:C1101–7.
42. O’Kane RL, Martinez-Lopez I, DeJoseph MR, Vina JR, Hawkins RA (1999). Na<sup>+</sup> dependent glutamate transporters (EAAT1, EAAT2, and EAAT3) of the blood–brain barrier. A mechanism for glutamate removal. *J Biol Chem* 274, 31891–31895.
43. Tsai PJ, Huang PC (1999). Circadian variations in plasma and erythrocyte concentrations of glutamate, glutamine, and alanine in men on a diet without and with added monosodium glutamate metabolism 48, 1455–1460.
44. Yuliana I. Tinjauan Histologi Sawar Darah Otak. Departemen Histologi Fakultas Kedokteran Universitas Lambung Mangkurat, 2013;9(1).
45. Sherwood L. Fisiologi Manusia dari Sel ke Sistem Edisi ke-6. Jakarta:EGC.2012. 151p.
46. Hartanto, O.S. Perubahan Sawar Darah Otak Pada Proses Inflamasi. *J. BNS*. 2006. Vol 7. No.2, pp.49-58. R
47. Sershen H, Lajtha A. Capillary transport of amino acids in the developing brain. *Exp Neurol* 1976;53:465–74.

48. Hutchins, JB and Barger, SW (1998). "Why neurons die: cell death in the nervous system." *Anat Rec* **253**(3): 79-90.
49. Sandi C. Stress, Cognitive impairment and cell adhesion molecules. *Neuroscience*. 2004;5:917-30.
50. McEwen BS. Stress and hippocampal plasticity. *Annu Rev. Neuroscience*. 1992;22:105,116.