

DAFTAR PUSTAKA

- Ahsan, Hakim BA, Tamar M., 2012, Faktor risiko yang memengaruhi keterlambatan konsepsi (infertilitas) pasangan suami istri pada laki-laki di kecamatan palu utara kota palu. *JST Kesehatan*, 179-89
- 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 Conditions*. *Journal Lipid Science Technology*.148-161
- Alalwani AD., 2014, *Monosodium glutamate induced testicular lesions in rats (histological study)*. *Middle East Fertility Society Journal*. 274-80.
- Almatsier, S., 2004, *Prinsip Dasar Ilmu Gizi*. PT Gramedia Pustaka Utama: Jakarta. 49-50
- Anggen, Monica.2012. *Cara instan Sehat Ala Vegetarian*. New Angogos: Jakarta
- Anonim., 2003, *Monosodium Glutamate: A Safety Assessment*. *Canberra BC: Food Standards Australia New Zealand*. *autoimmune disease. J. Am. Coll. Nutr.*495-505.
- Bansal AK & Bilaspuri GS., 2009, *Impacts of Oxidative Stress and Antioxidants on Semen Functions*. *Animal Science Papers and Reports*,5-14.
- Bolsover, Stephen, Wiley John, Sons., 2004, *Cell Biology: A Short Course*. ISBN 978-0-471-46159-3.
- Castillo, R. L., Zepeda, A. B., Short, S. E., Figueroa, E., Bustos-Obregon, E., & Farías, J. G. 2015. *Protective effects of polyunsaturated fatty acids supplementation against testicular damage induced by intermittent hypobaric hypoxia in rats*. *Journal of Biomedical Science*, 8. <http://doi.org/10.1186/s12929-015-0112-8>.
- Ciftci, O., Cetin, A., Aydin, M., Kaya, K., Oguz, F. 2014. *Fish oil, contained in eicosapentaenoic acid and docosahexaenoic acid, attenuates testicular and spermatological damage induced by cisplatin in rats*. *Andrologia*. Vol. 46, Issue 10. 1161-1168.
- Davitashvili DT, Museridze DP, Svanidze IK, Gegenava LG, Sanikidze TV., 2009, *Investigation of oxidative stress-induced alterations in the rat brain cortical cellular culture and their correction with vitamins E and C*. *Georgian medical news*, 177, 73
- Departemen Kesehatan Republik Indonesia., 2013, *Hasil Riset Kesehatan Dasar (RISKESDAS) Departemen Kesehatan Republik Indonesia*. Jakarta : Kementerian.Kesehatan.Republik.Indonesia.

www.depkes.go.id/downloads/riskedas2013/Hasil%20Riskedas%202013.pdf

- Dewi, S. 2010. Kecukupan Energi Dan Protein Serta Sumbangan Energi Dan Protein Makanan Jajanan Pada Anak SD Negeri NO. 060822 Kecamatan Medan Area Tahun 2010. Medan : Fakultas Kesehatan Masyarakat Universitas Sumatera Utara.
- Dorland, W.A. Newman., 2002, Kamus Kedokteran Dorland *Edisi 29 EGC*, Jakarta
- Elangovan N, Chiou TJ, Tzeng WF, Chu ST., 2006, *Cyclophosphamide treatment causes impairment of sperm and its fertilizing ability in mice. Toxicology* 60–70.
- Fauzi, T. M. 2008. Pengaruh Pemberian Timbal Asetat dan Vitamin C Terhadap Kadar Malondaldehyde dan Kuantitas Spermatozoa di Dalam Sekresi Epididimis Mencit Albino (Mus musculus L Strain Balb/C. Tesis. Medan : Universitas Sumatera Utara
- Franca L, Suescun M, Miranda J, Giovambattista A, Perello M, Spinedi E, et al., 2006,. *Testis structure and function in nongenetic hyperadipose rat model at prepubertal and adult ages. Endocrinology*.1556-63.
- FSANZ., 2003, Monosodium Glutamat A Safety Assesment. *Food Standards Australia.New.Zealand..Canberra,Australia.*
<http://www.foodstandards.gov.au>.
- Gartner, leslie P and james L. Hiatt., 2007, Color textbook of histology third edition. Philadelphia. Elseivier Saunder.
- Geha, R., Beiser, A., Ren, C., Patterson, R., Greenberger, P., Grammer, L., Ditti, A., Harris, K., Saughnassy, M., Yarnold, P., Corrent, J., & Saxon, A., 2000, *Review og alleged reaction to monosodium glutamate and outcome of a multicenter double-blind placebo-controlled study.* The Journal of Nutrition.1058-62
- Guyton A.C. and J.E. Hall., 2007, Buku Ajar Fisiologi Kedokteran. Edisi 9. Jakarta: EGC. 74,76, 80-81, 244, 248, 606,636,1070,1340.
- Harper HA, Rodwell VW, Mayes PA., 2002, Biokimia. Edisi 29. EGC, Jakarta.
- Jenkins, D. R dan A. R. Josse., 2008, *Fish Oil and Omega-3 Fatty Acids* Diperoleh dari <http://www.cmaj.ca/cgi/content/full/2/178/150.pdf>
- Jethro Budiman, Hermawan Istiadi, Siti Amarwati. 2015. Pengaruh Madu Terhadap Gambaran Mikroskopis Testis Pada Tikus Wistar Yang Diinduksi Monosodium Glutamat. Vol.4 : 1040-1048

- Jinab S, Hajep P., 2010, *Glutamate, its applications in food and contribution to Health*. Elsevier [Internet]. [cited 2014 November 15]; 1-10. Available from: National Center for Biology Information.
- Junquiera, Carlos L., Carnero Jote, Kelley Robert V., 2007, *Histologi Dasar*. EGC, Jakarta.
- Kumar V, Cotran RS, Robbins SL. 2007. Buku ajar patologi. Edisi 7, Vol. 1. EGC. Jakarta ; 189-1.
- Kusumawati. 2004. Bersahabat dengan Hewan Coba. Gajahmada University Press. Yogyakarta, 8, 80
- Lehninger AL., 2000, *Principles of Biochemistry*. New York:Worth Publishers Inc;1982.p.35-40
- Liangli yu., 2001, Free Radical Scavenging Properties of Conjugated Linoleic Acids. *J Agric. Food Chem.*, 49, 7, 3452–3456
- M Rashed, N Ragab, A Shalaby, W Ragab. 2007. The Internet Journal of Urology. Patterns Of Testicular Histopathology In Men With Primary Infertility [internet]. 2007 [cited : 2015 June 1st];Vol. 5. Available from : ispub
- Madaniyah S, Lioe HN, Andarwulan N, Briawan D, Nuraida L., 2014, Free glutamate intake from foods among adults : case study in bogor and jakarta *Jurnal Mutu Pangan*. 100-109
- Masters, W.H.; Johnson, V.E., 2011, *Human Sexual Response*. Bantam Books.Toronto; New York
- Mohamed IK., 2012, *The effect of oral dosage monosodium glutamate applied for short and long term on the histology and ultrastructure of testes of the adult rats*. *J Anim Vet Adv* [Internet]. 124-33.Available from Medwell Journals.
- Mu'nisa, A., 2003, Pengaruh Diet Asam Lemak Essensial Terhadap Kadar Kolesterol Darah dan Permasalahannya
- Muchtadi, Deddy. 2013.*Antioksidan dan Kiat Sehat di Usia Produktif* Alfabeta Bandung.
- Nayanatara, A., Vinodini, N., Damodar, G., Ahamed, B., Ramaswamy, C.,Shabarinath & Bath, R., 2008, *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*.1-5

- Nosseir NS, Ali MHM, Ebaid HM., 2012, *A histological and morphometric study of monosodium glutamate toxic effect on testicular structure and potentiality of recovery in adult albino rats*. J Biol [Internet]. 66-78. Available from: Scientific Journals.
- Ozen OA, Cosar M, Sahin O, Fidan H, Eser O, Mollaoglu H, Alkoc O, Yaman M, Songur A (2008) *The protective effect of fish n-3 fatty acids on cerebral ischemia in rat prefrontal cortex*. Neurol Sci 147–152.
- Panjaitan, Ruqiah Ganda Putri. 2003. *Bahaya Gagal Hamil Yang Diakibat Minuman Beralkohol*. Program Pasca Sarjana IPB Bogor.
- Pasha, RSDM, Wijayahadi N. 2014. *Pengaruh pemberian monosodium glutamat per oral dalam bumbu masak terhadap fungsi memori spasial tikus*. 1-21.
- Prawirohardjono, W., Dwiprahasto, I., Indwiani, A., Hadiwandowo, S., Kristin, E., Muhammad, M., dan Michael, F.K., 2000, *The Administration to Indonesians of Monosodium L glutamat in Indonesian Foods: An Assessment of Adverse Reactions in a Randomized*. Journal Of Nutrition. 1074
- Rees, T.J., 2005, *The Toxicology of Male Reproduction*. Literature Review in Applied Toxicology. Portsmouth University
- Reham Z. Hamzaa, Mohammad S. AL-Harbi.2014.*Monosodium glutamate induced testicular toxicity and the possible ameliorative role of vitamin E or selenium in male Rats* 1037-1045
- Saravana Kumar, K. Bhagya Deepthi, M. Devi Vara Prasad, P. Grace Mary, S. Sujeeth Kumar , M. Swathi., 2011, *Evaluation of the Protective Effects of Omega-3 Fatty Acids against Methotrexate Induced Testicular Toxicity in Male Albino Mice*. 22, 48-52
- Schmidt EB, Pedersen JO, Varming K, et al., 2001, *n-3 fatty acids and leukocyte chemotaxis*. Effects in hyperlipidemia and dose-response studies in healthy men. Arteriosclerosis & Thrombosis. Mar;11(2):429-35
- Siagian, M., Jusuf, A. A., Handini, M. 2014. *Pengaruh Pajanan Monosodium Glutamat terhadap Fungsi dan Gambaran Histologis Ginjal serta Perubahannya Pasca Penghentian Pajanan*
- Simopolus, A. P., 2008, *Omega-3 fatty acids in inflammation and autoimmune disease*. J Am Clin Nutr ; 495-505
- Siregar, J.H. 2008. *Pengaruh Pemberian Vitamin C Terhadap Jumlah Sel Leydig dan Jumlah Sperma Mencit Jantan Dewasa (Mus musculus L) Yang*

Terpapar Monosodium Glutamat (MSG). Tesis Pascasarjana. Universitas Sumatra Utara

- Sitepoe, M. 2000. *Kekhususan Rokok Indonesia*. Gramedia Widiasarana Indonesia, Jakarta
- Strzezek J, Fraser L, Kuklińska M, Dziekońska A, Lecewicz M., 2004, *Effects of dietary supplementation with polyunsaturated fatty acids and antioxidants on biochemical characteristics of boar semen*. *Reprod Biol*. 271–287. [PubMed]
- Sukmaningsih, A.A., 2009. Penurunan Jumlah Spermatisit Pakiten dan Spermatisid Tubulus Seminiferus Testis Pada Mencit (*Mus musculus*) yang Dipaparkan Asap Rokok. *Jurnal Biologi*, 31-35
- Supranto J. 2000. Teknik sampling untuk survey dan eksperimen. PT Rineka Cipta, Jakarta
- Tortora, G.J. dan Derrickson, B.H. 2009. *Principles of Anatomy and Physiology*. Twelfth Edition. Asia: Wiley
- Tranggono. 2001. Lipid dalam Perspektif Ilmu dan Teknologi Pangan. *Jurnal Kesehatan Masyarakat Indonesia*, 28, 9, 540-546.
- Uygur, R., C. Aktas, F. Tulubas, E. Uygur, M. Kanter, M. Erboğa, V. Çağlar, B. Topcu, and O. A. Ozen., 2013, *Protective effects of fish omega-3 fatty acids on doxorubicin-induced testicular apoptosis and oxidative damage in rats andrologia*.
- Verit, F.F et al. 2006. *Paroxonase-1 Activity in Subfertile Men and Relationship to Sperm Parameter*. *Int. J. Androl*
- Winarno, F.G., 2004, *Keamanan Pangan Bogor: Himpunan Alumni Fakultas Teknologi Pertanian IPB*. Halaman 15-30
- Xin YF, You ZQ, Gao HY, Zhou GL, Chen YX, Yu J, Xuan YX., 2012, *Protective effect of Lycium barbarum polysaccharides against doxorubicin-induced testicular toxicity in rats*. *Phytother Res* 26:716–721.
- Yi. 2007. Analisis Buku Ajar Sains berdasarkan Literasi Ilmiah sebagai Dasar untuk memilih Buku Ajar Sains (BIOLOGI). Makalah diseminarkan dalam Seminar Nasional Pendidikan Biologi dan Biologi di Jurusan Pendidikan Biologi FMIPA UPI. Bandung.
- Young VR, Ajami AM., 2000, *Glutamate: an amino acid of particular distinction*. *In: International Symposium on Glutamate*. *J. Nutr* 1998; 130: 892-900.

Zararsiz I, Sonmez MF, Yilmaz HR, Tas U, Kus I, Kavakli A, Sarsilmaz M., 2006b, *Effects of omega-3 essential fatty acids against formaldehyde-induced nephropathy in rats*. *Toxicol Ind Health* 22:223–229