

DAFTAR PUSTAKA

- Agarwal, A., Prabakaran, S.A., and Said, T.M. 2005. Prevention of Oxidative Stress Injury to Sperm. *Journal Andrologi*. 26 (6): 654-660.
- Aitken, R.J. and Shoun, D.R. 2008. *Antioxidant System and Oxidative Stress in The Testes*. London Bioscience. Chapter 9. 154-171.
- De Kretser and Kerr. 1988. *The Cytology of The Testis in The Physiology of Reproduction*. Raven Press, New York.
- Diniz, Y.S., Faine, L.A., Galhardi, C.M., Rodrigues, H.G., Ebaid, G.X., Burneiko, R.C., Cicogna, A.C., and Novelli, E.L. 2005. Monosodium Glutamate in Standard and High-Fiber Diets: Metabolic Syndrome and Oxidative Stress in Rats. *The Journal of Nutrition*. 21 (6): 749-755.
- Eweka, A. O. 2007. Histological Studies of The Effects of Monosodium Glutamate on The Kidney of Adult Wistar Rats. *The Internet Journal of Health*. 6 (2): 6-9.
- Farombi, E.O. and Onyema, O.O. 2006. Monosodium Glutamate-Induced Oxidative Damage and Genotoxicity in The Rat: Modulatory Role of Vitamin C, Vitamin E, and Quercetin. *Human Experiment Toxicol*. 25 (5): 251-259.
- FDA. (1995). *FDA and Monosodium Glutamate (MSG)*. <http://www.fda.gov/opacom/backgrounders/msg.html>. Diakses tanggal 23 Mei 2014
- Federer, W. 1963. *Experimental Design, Theory, and Application*. Mac. Millan, New York.
- Garattini, S. 2000. Glutamic Acid, Twenty Years Later. *The Journal of Nutrition*. 130 (4): 901S-909S.
- Geha, R.S., Beiser, A., Ren, C. Patterson, R., Greenberger, P.A., Grammer, L.C., Ditto, A.M., Harris K.E., Saughnessy, M.A., Yarnold, P.R., Corrent, J., and Saxon, A. 2000. Review of Alleged Reaction to Monosodium Glutamate and Outcome of A Multicenter Double-Blind Placebo-Controlled Study. *The Journal of Nutrition*. 130: 1058S-1062S.

- Giovambattista, A., Suescun, M.O., Nessralla, C.C., Franca, L.R., Spinedi, E., and Calandra, R.S. 2003. Modulatory Effects of Leptin on Leydig Cell Function of Normal and Hyperleptinemic Rats. *Journal of Neuroendocrinology*. 78 : 270–279.
- Gritter, R.J., James, M.B., and Arthur, E.S. 1991. *Pengantar Kromatografi*. ITB, Bandung.
- Grune, T., Lietz, G., Palou, A. Ross, C., Stahl, W., Tang, G., Thurnham, D., Yin, S., and Biesalski, H.K. 2010. B-Carotene is an Important Vitamin A Source for Humans. *The Journal of Nutrition*. 2268S-2285S.
- Harborne, J.B. 1984. *Metode Fitokimia*. ITB, Bandung.
- Herbach, K. M., Stintzing, F.C., and Carle, R. 2004. Thermal Degradation of Betacyanins in Juices from Purple Pitaya (*Hylocereus polyrhizus* (Weber) Britton and Rose) Monitored by High-Performance Liquid Chromatography–Tandem Mass Spectrometric Analyses. *European Food Research and Technology*. 219 (6): 377-385.
- Ismail, N.H. 2012. Assessment Of DNA Damage in Tester from Young Wistar Male Rate Treated with Monosodium Glutamate (MSG). *Journal of Life Science*. 9 (1): 930-939.
- Khopkar, S.M. 2003. *Konsep Dasar Kimia Analitik* . UI-Press, Jakarta.
- Kuldip, S. and Ahluwalia, P. 2002. Studies on The Effect of Monosodium Glutamate Administration on The Activity of Xanthine Oxidase, Superoxide Dismutase, and Catalase in Hepatic Tissue of Adult Male Mice. *The Journal of Clinic Biochemistry*. 17 (1): 29-33.
- Kuncahyo, I. and Sunardi. 2007. *Uji Antioksidan Ekstrak Belimbing Wuluh (*Averrhoa bilimbi*, L.) Terhadap 1,1-Diphenyl-2-Picrylhidrazyl (DPPH)*. Seminar Nasional Teknologi (SNT 2007). E1-E9.
- Le Bellec, F., Vaillant, F., and Imbert, E. 2006. Pitahaya (*Hylocereus* spp.) : A New Fruit Crop, A Market with A Future. *Journal of Fruits*. 61 (4): 237-250.
- Loliger, J. 2000. Function and Importance of Glutamate for Savory of Food. *The Journal of Nutrition*. 130: 915S-920S.

- Mahattanatawee, K., Manthey, J.A., Luzio, G., Talcott, S.T., Goodner, K., and Baldwin, E.A. 2006. Total Antioxidant Activity and Fiber Content of Select Florida Grown Tropical Fruits. *Journal of Agricultural and Food Chemistry*. 54 (19): 7355-7363.
- Manitto, P. 1981. *Biosintesis Produk Alami*. IKIP Semarang Press, Semarang.
- Marhazlina, M. 2008. *Departement of Nutrition and Dietetic Faculty of Medicine and Health Sciences*. University Putra, Malaysia.
- Miskowiak, B., Limanowski, A., and Partyka, M. 1993. Effect of Perinatal Administration of Monosodium Glutamate (MSG) on The Reproductive System of The Male Rat. *Endocrinol Pol*. 44 (4): 497-505.
- Molyneux, P. 2004. The Use of Stable Free Radical Diphenylpicryl-hydrazil (DPPH) for Estimating Antioxidant Activity. *Journal Science Technology*. 26 : 211-219.
- Morton, J.F. 1987. *Fruits of Warm Climate*. Florida Flair Books. Miami, USA. 347-348.
- Mosby, I. 2009. That Won-Ton Soup Headache: The Chinese Restaurant Syndrome, MSG, and The Making of American Food, 1968–1980. *Social History of Medicine*. 22 (1): 133–151.
- Murat, B., Selim, S., Cavit, K., Deniz, K., Funda, K., Hande, S.Y., Mehmet, O.A., Ferda, A. 2014. The Protective Effects of Vitamin C on The DNA Damage, Antioxidant defenses, and Aorta Histopathology in Chronic Hyperhomocysteinemia Induced Rats. *Experimental and Toxicologic Pathology*. 66 : 407–413.
- Mursyidi, A., Ahmad, M.F., Sumarno, Sandjiman, Retna, S., and Sugeng, R. 1990. *Analisis Metabolit Sekunder*. Proyek Pengembangan Pusat Fasilitas Bersama Antar Universitas. PAU Bioteknologi. UGM, Yogyakarta : 63-250.
- Nayanatara, A. K., Vinodini, N. A. Damodar, G., Ahmed, B. Ramaswamy, C.R., and Shanarienth. 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*. 3 (1): 1-5.
- Onakewor, J.U.E., Oforofuo, I.A.O., and Singh, S.P. 1998. Chronic Administration of Monosodium Glutamate Induces Oligozoospermia and Glycogen Accumulation in Wister Rat Testis. *Africa Journal Reproduction Health*. 2: 190-197.

- Padayatty, S.J., Sun,H., Wang, Y., Riordan, H.D., Hewitt, S.M., Katz, A., Wesley, R.A., Levine, M. 2004. Vitamin C Pharmacokinetics: Implications for Oral and Intravenous Use. *Annals of Internal Medicine*. 140 : 533–537.
- Parapat, C.A. 2014. Identifikasi Golongan Senyawa Antioksidan Pada Ekstrak Kloroform dan Ekstrak Metanol Daun dan Bunga Jengger Ayam (*Celosia cristata* L.). *Tesis*. Program Studi Biologi. Program Pascasarjana Fakultas Biologi. Universitas Gadjah Mada.
- Patel, S., and Sigman, M. 2008. Antioxidant Therapy in Male Infertility. *Urology Clinic North America*. 35:319–330.
- Phebe, D., Chew, M.K., Suraini, A.A., Lai, O.M., and Janna, O.A. 2009. Red-Fleshed Pitaya (*Hylocereus polyrhizus*) Fruit Colour and Betacyanin Content Depend on Maturity. *Journal International Food Research*. 16: 233-242.
- Ping, O. B. 2011. *Benefits of Dragon Fruit*. Project Report. School Of Art and Science. Campbell University, USA.
- Prawirohardjono, W., Dwiprahasto, I., Astuti, I., Hadiwandowo, S., Kristin, E., Muhammad, M., and Kelly, M.F. 2000. The Administration to Indonesian Monosodium L-Glutamate in Indonesian Foods, Crossover, Placebo-Controlled Study. *Journal of Nutrition*. 130: 1074S-1076S.
- Rao, A.V. and Rao, L.G. 2007. Carotenoids and Human Health. *Pharmacological Research*. 55 : 207–216.
- Reece, J.B., Lisa, A.V., Michael, L.C., Stevan, A.W., Peter, V.M., and Robert B.J. 2009. Campbell: Biologi. 8th Edition. USA. 1004-1006p. www.pearsonhighered.com.
- Roman, M., Kaczor, A., Dobrowolski, J.C., and Baranska, M. 2013. Structural Changes of B-Carotene and Some Retinoid Ppharmaceuticals Induced by Environmental Factors. *Journal of Molecular Structure*. 1037 : 99–108.
- Robinson, T. 1991. *The Organic Constituen of Higher Plants*. 6th Edition. Departement of Biochemistry, University of Massachusetts.
- Ross, M.H. and Reith, E.J. 1985. *Hystology. A Text and Atlas*. 6th Edition. Harper & Row, New York.
- Samiadji, S. 2008. *Anatomi dan Fisiologi Testis*. UPF Bedah RSDK, Semarang.

- Samuels, A. 1999. The Toxicity/ Safety of Processed Free Glutamic Acid (MSG): A Study in Suppression of Information. *Accountability in Research*. 6 (4): 259-310.
- Sand, J. 2005. Short History of MSG: Good Science, Bad Science, and Taste Cultures. *The Journal of Nutrition*. 5 (4): 38– 49.
- Schmidt, S., Zietz, M., Schreiner, M., Rohn, S., Kroh, L.W., and Krumbein, A. 2009. Genotypic and Climatic Influences on the Concentration and Composition of Flavonoids in Kale (*Brassica oleracea* var. *sabellica*). *Food Chemistry*. 119 : 1293–1299.
- Senja, R.S., Issusilaningtyas, E., Nugroho, A.K., and Setyowati, E.P. 2014. The Comparison of Extraction Method and Solvent Variation on Yield and Antioxidant Activity of *Brassica oleracea* L. var. *capitata* f. *rubra* Extract. *Traditional Medic Journal*. 19 (1): 43-48
- Setyowati, A. 2008. Analisis Morfologi dan Sitologi Tanaman Buah Naga Kulit Kuning (*Selenicereus megalanthus*). *Skripsi*. Fakultas Pertanian. Universitas Sebelas Maret. 15-30.
- Sherwood, L. 2011. *Fisiologi Manusia: Dari Sel Ke Sistem*. 6th Edition. ECG. Jakarta. 826-827.
- Sichel, G., Corsaro, C., Scalia, M., Di Bilio, A.J., and Bormono, R.P. 1991. In Vitro Scavenger Activity of Some Flavonoids and Melanins Against O₂. *Free Radical Biology and Medicine*. 11 (1): 1-8.
- Suparni, 2009. Pengaruh Pemberian Vitamin C Terhadap Jumlah Sperma dan Morfologi Sperma Mencit Jantan Dewasa (*Mus musculus* L.) yang Dipapar Monosodium Glatamate (MSG). *Tesis*. 31-32.
- Tremallen, K. 2008. Oxidative Stress and Male Infertility – A Clinical Perspective. *Human Reproduction Update*. 1 – 16.
- Umayah, E. and Hasan, M.A. 2007. Uji Antioksidan Ekstrak Buah Naga (*Hylocereus undatus* (Haw.) Britt. & Rose). *Jurnal Ilmu Dasar*. 8 (1): 83-90.
- Vinodini, N., Nayanatara, A.K., Damodara, G.C., Ahamed, G., C Ramaswamy, Shabarinath, and M Ramesh, B. 2008. Effect of Monosodium Glutamat-Induce Oxidative Damage on Rat Testis. *Journal of Chinese Clinical Medicine*. 3 (7): 370-373.

- Vinodini, N.A., Nayatara, A.K. Ramaswamy, C., Anu, V.R., Reka, D.K., and Damodara, G.K.M. 2010. Study on Evaluation of Monosodium Glutamate-Induced Oxidative Damage on Renal Tissue on Adult Wistar Rats. *Journal of Chinese Clinical Medicine*. 5 (3): 144-147.
- Wibowo, D.S. 2008. *Anatomi Tubuh Manusia*. 3th Edition. 116-119.
- Widhati, W. I. 2011. Pengaruh Pemberian Ekstrak Buah Mengkudu (*Morinda citrifolia*) Terhadap Morfologi dan Viabilitas Sperma Tikus Putih (*Rattus norvegicus*) Galur Wistar yang Diberi Paparan Asap Rokok. *Skripsi*. IKIP. Semarang.
- Winarsih, H. 2007. *Antioksidan Alami dan Radikal Bebas: Potensi dan Aplikasinya dalam Kesehatan*. 155-195p.
http://www.google.co.id/books?hl=en&lr=&id=A1C1KQ2Oaj0C&oi=fnd&pg=PA5&dq=Antioksidan+Alami+dan+Radikal+Bebas:+Potensi+dan+Aplikasinya+dalam+Kesehatan&ots=F07a3U29aT&sig=5YsfR2CHLU9SowQ2CM-gNqym1Io&redir_esc=y#v=onepage&q=Antioksidan%20Alami%20dan%20Radikal%20Bebas%3A%20Potensi%20dan%20Aplikasinya%20dalam%20Kesehatan&f=false. Diakses pada 23 Mei 2014.