

## DAFTAR PUSTAKA

- Agarwal, A., and Sekhon, L.H., (2010), The Role of Antioxidant Therapy in The Treatment of Male Infertility, *The British Fertility Society* 13(4): 217–225.
- Anas, E., dan Asterina, (2011), Efek Pemberian Jus Tomat Terhadap Spermatogenesis Pada Tikus Putih Jantan Dewasa Hypercholesterolemia, *Majalah Kedokteran Andalas* 1(35): 27-36.
- Anindita, K., dan Sutyarso, (2012), Pengaruh Pemberian Vitamin C Terhadap Berat Testis, Jumlah Sel Leydig, dan Diameter Tubulus Seminiferus Mencit (*Mus musculus L*) Jantan Dewasa Yang Diinduksi Monosodium Glutamat, *Biomed* 1(1): 36-48.
- Armstrong, G.A., and Hearst, J.E., (1996), Carotenoids 2, Genetics and Molecular Biology of Carotenoid Pigment Biosynthesis, *FASEB Journal* 10(2): 228-37.
- Ault, A., (2004), The Monosodium Glutamate Story, The Commercial Production of MSG and Other Amino Acids, *Journal Chemistry Education* 81(3): 347-55.
- Bevelander, G, and Ramaley, J.A., (1988), *Essentials of Histologi*, Erlangga, Jakarta.
- Bloom, W. and Fawcett, D., (2002), *Buku Ajar Histologi*, Edisi 12, Terjemahan Jan Tambayong, EGC, Jakarta.
- Dewantari, N.M., (2013), Peranan Gizi dalam Kesehatan Reproduksi, *Jurnal Skala Husada* 10 (2), 219 – 224.
- Dillingham, B.L., and Rao, A.V., (2009), Biologically Active Lycopene in Human Health, *International Journal of Nutrition and Metabolism* 4(1): 23-27.
- Donatus, I.A., (1990), *Toksikologi Pangan, Edisi I*, PAU Pangan dan Gizi Universitas Gadjah Mada, Yogyakarta.
- Durairajanayagam, D., Argawal, A., Ong, C., and Prashast, P., (2014), Lycopene and Male Infertility, *Asian Journal Andrology* 16 (3): 420–425.
- Edward, Z., (2010), Pengaruh Pemberian Monosodium Glutamat (MSG) pada Tikus Jantan (*Rattus norvegicus*) terhadap FSH dan LH, *Majalah Kedokteran Andalas* 34 (2): 160-166.
- FDA, (2012), Questions and Answers on Monosodium Glutamate (MSG), <https://www.fda.gov/food/ingredientspackaginglabeling/foodadditivesingredients/ucm328728.htm> (Diakses pada 27 juli 2017)

- Fitria, F.L., (2011), *Pengaruh Pemberian Sari Tomat (Lycopersicum esculentum Mill) Terhadap Struktur Testis Mencit (Mus musculus L.) Strain Balb C Setelah Paparan Methoxychlor*, Skripsi, Universitas Jember, Jember.
- Fitria, T., (2017), *Pengaruh Pemberian Kombinasi Zink dan Tomat (Solanum lycopersium) Terhadap Jumlah dan Viabilitas Sperma Tikus Putih (Rattus norvegicus) Galur Sprague Dawley yang Diinduksi Gelombang Elektromagnetik Ponsel*, Skripsi, Universitas Lampung, Lampung.
- Federer, W.T., (1977), *Experimental Design Theory and Application, Third Edition*, Oxford and IBH Publishing Co, New Delhi.
- Franca, L.R., Suescun, M.O., Miranda, J.R., Giovambattista, A., Perello, M., Spinedi, E., and Calandra, R.S., (2006), Testis Structure and Function in a Nongenetic Hyperadipose Rat Model at Prepubertal and Adult Ages, *Endocrinology* 147(3): 1556-1663.
- Geneser, F., (1994), *Buku Teks Histologi*, Binarupa Aksara, Jakarta.
- Geha, R., Beiser, A., Ren, C., Patterson, R., Greenberger, P., Grammer, L., Ditto, A., Harris, K., Saughnessy, M., Yarnold, P., 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-62S.
- Guyton, A.C., and Hall, J.E., (2005), *Buku Ajar Fisiologi Kedokteran Edisi ke-11*, EGC, Jakarta.
- Halpern, B.P., (2002), What`s in a Name ? Are MSG and Umami The Same ?, *Chemical Senses* 27: 845-846.
- Hayati, A., (1998), *Pengaruh Amfetamin terhadap spermatogenesis dan fertilitas tikus jantan (Rattus nervegicus L)*, Tesis, Program Pascasarjana Universitas Airlangga, Surabaya.
- Heffner, L.J., and Schust, D.J., (2005), *At a Glance Sistem Reproduksi Edisi 2*, Erlangga, Jakarta.
- Institute of Food Technologists, (1987), Monosodium Glutamate, *Food Technol*, 41(5):143-145.
- Jhon, G., (2015), Testicular Diagram, <http://357wall.ga/files/images/testicular-diagram.html> (diakses tanggal 1 April 2018)
- Jones B Jr, (2008), *Tomato Plant Culture, in the Field, Greenhouse and Home Garden*, CRC Press, New York.
- Kalsum, U., Ilyas, S., dan Hutahaeon, S., (2013), Pengaruh pemberian Vitamin C dan E terhadap Gambaran Histologi Testis Mencit (*Mus Musculus L.*) yang Dipajankan MSG, *Saintia Biologi* 1(3): 7-12, dari <https://jurnal.usu.ac.id/sbiologi/article/view/1366> diakses 31-3-2018

- Krinke. G.J., (2000), *The Laboratory Rat*, Academic Press, San Diego.
- Lea, M.C., Becker-Silva, H., Chiarini-Garcia, and França, L.R., (2004), Sertoli cell efficiency and daily sperm production in goats (*Capra hircus*), *Animal Reproduction* 1(1): 122-128.
- Maulida D, dan Naufal Z, (2010), *Ekstraksi Antioksidan ( Likopen ) dari Buah Tomat dengan Menggunakan Solven Campuran, N – Heksana, Aseton, dan Etanol*, Skripsi, Universitas Diponegoro, Semarang.
- Megawati, E.R., (2008), *Penurunan Jumlah Sperma Hewan Coba Akibat Paparan Monosodium Glutamate*, Tesis, Fakultas Kedokteran Universitas Sumatera Utara, Medan.
- Mishra, M., and Acharya, U.R., (2004), Protective action of vitamins on the spermatogenesis in lead-treated swiss mice, *Journal of Trace Elements in Medicine and Biology* 18:173-8.
- Nayantara, A., Vinodini, N., Damodar, G., Ahamed, B., Ramaswamy, C., Shabarinath, and 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* 3(1): 1-5.
- Nizamuddin, (2000), Pengaruh Pemberian MSG Peroral terhadap Spermatogenesis dan Jumlah Anak Tikus Putih Jantan Dewasa, *Jurnal Kedokteran YARSI* 8(3), 93-113.
- Pasha, R.S.D.M., dan Wijayahadi, N., (2014), Pengaruh Pemberian Monosodium Glutamat Per Oral dalam Bumbu Masak terhadap Fungsi Memori Spasial Tikus, *Jurnal Media Medika Muda* 3(1): 1-21.
- Prawirohardjono, W., Dwiprahasto, I., Astuti, I., Hadiwandowo, S., Kristin, E., Muhammad, M., and Kelly, M., (2000), The Administration to Indonesians of Monosodium L-Glutamate in Indonesian Foods, An Assessment of Adverse Reactions in a Randomized Double-Blind, Crossover, Placebo-Controlled Study, *Journal of Nutrition* 130: 1074S-1076S.
- Rahmi, A., (2011), *Pengaruh Pemberian Ekstrak Minyak Jintan Hitam (Nigella sativa) terhadap Gambaran Histopatologi Organ Testis Mencit (Mus musculus)*, Skripsi, IPB, Bogor.
- Samo, R., (2000), *Peran Ekstrak Phyllanthus niruri L terhadap Proses Spermatogenesis Mencit (Mus musculus)*, Tesis, Program Pascasarjana Airlangga Surabaya.
- Sengupta, A., Ghosh, S., and Das, S., (2013), *Tomato and Garlic Can Modulate Azoxy methane, Induced Colon Carcinogenesis in Rats*, Blackwell Verlag GmbH, Tunisia.

Sheti, S., and Chaturvedi, C.M., (2010), Temporal Phase relation of circadian neural oscillations as the basis of testicular maturation in mice: a test of a coincidence model, *Journal bioscience* 35(4): 3-8.

Silitonga, P.M., (2011), *Statistik*, FMIPA Unimed, Medan.

Siregar, J.H., (2009), *Pengaruh Pemberian Vitamin C Terhadap Jumlah Sel Leydig dan Jumlah Sperma Mencit Jantan Dewasa (Mus Musculus L.) yang Dipapari Monosodium Glutamate (MSG)*, Tesis, Universitas Sumatera Utara, Medan.

Smith, B., (2016), Zika virus destroys testicles in mice, <https://cosmosmagazine.com/biology/zika-virus-destroys-testicles-in-mice> (diakses pada 1 april 2018)

Soehardi, S., (2004), *Memelihara Kesehatan Jasmani Melalui Makanan*, ITB, Bandung.

Sugeng, S.U., Hartini, T., dan Vikie, N.A., (2010), Pengaruh Pasta Tomat (*Solanum lycopersicum*) terhadap Diameter Tubulus Seminiferus Mencit (*Mus musculus*) Galur DDY yang Terpajan Asap Rokok Berfilter, *Jurnal Kesehatan Masyarakat* 10(1): 47-54.

Sukmaningsih, A.S., dan Ermayanti, G.A.M., (2011), Gangguan Spermatogenesis Setelah Pemberian Monosodium Glutamat Pada Mencit (*Mus musculus L.*), *Jurnal Biologi* XV (2): 49 – 52.

Sulistiyowati, Y., (2006), *Pengaruh Pemberian Likopen Terhadap Status Antioksidan (Vitamin C , Vitamin E dan Glutathion Peroksidase) Tikus (Rattus norvegicus Galur Sprague Dawley) Hiperkolestolemik*, Tesis, Universitas Diponegoro, Semarang.

Suntoro, H., (1983), *Metode Pewarnaan*, Bhratara Karya Aksara, Jakarta.

Suryadi, E., Detty, I., dan Sri, K.S., (2007), Perubahan sel-sel leydig tikus putih (*Rattus norvegicus*) jantan dewasa setelah pemberian monosodium glutamat peroral, *Jurnal Anatomi Indonesia* 1(03): 129-132.

Tambunan, H.S., Muhartomo, H., dan Pudjonarko, D., (2013), Pengaruh Pemberian Monosodium Glutamat Peroral terhadap Degenerasi Neuron Piramidal Ca1 Hipokampus pada Tikus Wistar, *Medical Hospital* 1(3): 175-81.

Tranggono, (1989), *Bahan Tambahan Pangan*, PAU Pangan Gizi UGM, Yogyakarta.

Wakidi, R.F., (2012), *Efek Protpektif Vitamin C dan E Terhadap Mutu Sperma Mencit Jantan Dewasa Yang Dipajan Dengan Monosodium Glutamat*, Tesis, Fakultas Farmasi Universitas Sumatera Utara, Medan.

Wallis, C.J., (1974), *Practical zoology: For advanced level and intermediate students*, Sixth Ed, Butterworth-Heinemann Pub, Oxford, p: 283.

Widyaningsih, D.T., Rukmi, D.W., Nurcholis, M., dan Maligan, J.Y., (2010), Aneka Produk Olahan Tomat dan Cabe, Fakultas Teknologi Pertanian Universitas Brawajaya, Malang, *Pengabdian Masyarakat*, 1-44.

Wijayanti, E., (2013), Pertumbuhan dan Produksi Dua Varietas Tomat (*Lycopersicon esculentum* Mill.) secara Hidroponik dengan beberapa Komposisi Media Tanam, *Departemen Agronomi dan Hortikultura* 1(1): 104-112.

Yama, O.E. (2011), Sperm Qoutient in Sprague Dawley Rats Fed Graded Doses of Seed Extract of *Momordica charantia*, *Middle East Fertility Society Journal* 16: 154-158.

