

DAFTAR PUSTAKA

- Agarwal A. Saleh RA, Bedaiwy MA, 2003, Role of reactive oxygen species in the pathophysiology of human reproduction, *Fertil Steril*, 79:829-43,
- Amersham Bioscience, Protein Purification Handbook, Edition AC 18-1132-29
- Beattie, M.C., Chen, H., *et al.*, 2013, Aging and Luteinizing Hormone Effects on Reactive Oxygen Species Production and DNA Damage in Rat Leydig Cells, *Biology of Reproduction*, vol. 88: 1-7
- Berry, R.J. (1970). "The natural history of the house mouse". *Field Studies* (Field Studies Council) 3:219–262. Retrieved 18 December 2013.
- Bhasin, S., Pencina, M., Jasuja, G.K. *et al.*, 2011, Reference ranges for testosterone in men generated using liquid chromatography tandem mass spectrometry in a community-based sample of healthy nonobese young men in the Framingham Heart Study and applied to three geographically distinct cohorts. *The Journal of Clinical Endocrinology and Metabolism*, 96, 2430–2439.
- Chan, G.C., Chan, W.K., *et al.*, 2009, The Effects of β -Glucan on Human Immune and Cancer Cells, *Journal of Hematology and Oncology*, 2-25
- Cheema, Rajna S., G. Bhakri., *et al.*, 2011, SDS-PAGE of Sperm Membrane-, Epididymal Tissue-and Fluid Proteins of Indian Mongrel: Identification and Characterization of Sperm Specific Proteins, *International Journal of Innovations in Biological and Chemical Sciences*, Vol, 2: 22-34,
- Cheng, C. Yan, and Dolores, D., Mruk, 2012, The Blood-Testis Barrier and Its Implications for Male Contraception, *Pharmalogical Reviews*, 64 : 16-64
- Chen, H., and Zikrin, B.R., 1999, Long-term Suppression of Leydig Cell Steroidogenesis Prevents Leydig Cell Aging, *Proc Nat Acad Sci USA*, 96:14877-14881
- Chu, K.K., Chow, A.H., 2002, *Coriolus versicolor* : A Medicinal Mushroom with Promising Immunotherapeutic Values, *The Journal of Clinical Pharmacology*, 42 : 976
- Cooper, T.G., and Ching-hei Yeung, 2006, Sperm Maturation in the Human Epididymis, *The Sperm Cell, Production, Maturation, Fertilization, Regeneration*, Cambridge University Press
- Cox, R., M., Skelly, S. L., & John-Adler, J. B., 2005, Testosterone Inhibits Growth in Juvenile Male Eastern Fence Lizards (*Sceloporus undulatus*):

- Implications for Energy Allocation and Sexual Size Dimorphism, *Physiological and Biochemical Zoology*, 78(4): 531-45
- Cui, J., dan Chisti, Y., 2003, Polysaccharopeptides of *Coriolus versicolor*: physiological activity, uses, and production, *Biotechnology Advances*, 21(2):109-122,
- Cui, J., Goh, K.K.T., Archer, R., 2007, Characterisation and bioactivity of protein-bound polysaccharides from submerged-culture fermentation of *Coriolus versicolor* Wr-74 and ATCC-20545 strains, *Journal Industrial Microbiology Biotechnology*, 34: 393–402.
- Diemer, T., *et al.*, 2002, Reactive Oxygen Disrupts Mitochondria in MA-10 Tumor Leydig Cells and Inhibits Steroidogenic Acute Regulatory (StAR) Protein and Steroidogenesis, *Endocrinology*, 144 : 2882-2891
- Douglas, M. Stocco, and Thomas C. Sodeman, 1991, The 30-kDa Mitochondrial Protein Induced by Hormone Stimulator in MA-10 Mouse Leydig Tumor Cells are Processed from Larger Precursor. *The Journal of Biological Chemistry*, Vol, 266 : 29
- Evans, D.R. *et al.*, 2009, Concentration of proteins and removal of solutes. *Methods Enzymol* 463, 97–120.
- Fessenden, R.J., dan J.S., Fessenden, 1986, *Kimia Organik*, Erlangga: Jakarta
- Habermann B, Mi HF, Edelmann A, Bohring C, Backert IT, Kiesew-etter F, Aumuller G, Vogt PH., 1998, DAZ (Deleted in Azoospermia) genes encode proteins located in human late spermatids and in sperm tails. *Hum Reprod*; 13:363–369.
- Hamada, A.J., Aspinder Singh, Ashok Agarwal, 2011, Cell Phones and their Impact on Male Fertility: Fact or Fiction, *The Open Reproductive Science Journal*, 5, 125-137
- Hayati, Alfiyah, 2011, *Spermatologi*, Pusat Penerbitan dan Percetakan Unair, Surabaya
- Hinsch, K.D., Hinsch, E., Aumuller, G. *et al.*, 1992, Immunological Identification of G Protein alpha- and beta-subunits in Tail Membrane of Bovine Spermatozoa, *Biology Reproducty*, 47, 337-346,
- Keizer, Gerrit J., 1998, *The complete encyclopedia of mushrooms*, Rebo Publisher, Lisse,

- Klomberg, K.F., Theodore Garland Jr., *et al.*, 2002, Dominance, Plasma Testosterone Levels, and Testis Size in House Mice Artificially Selected for High Activity Levels, *Elsiver, Physiology and Behavior*, 77 (27-38)
- Kuehnel, Wolfgang, 2003, Male Sexual Organ, *Color Atlas of Citology, Histology, and Microscopic Anatomy*, Thieme, 378
- Kusumawati D, 2004, *Bersahabat Dengan Hewan Coba*, Yogyakarta: Gadjah Mada University Press.
- Lamaison, Jean-Louis dan Polese, Jean-Marie, 2005, The great encyclopedia of mushroom, English Edition, Könemann, London
- Lavranos G., Balla M., Tzortzopoulou A., Syriou V., Angelopoulou R., 2012, Investigating ROS sources in male infertility: a common end for numerous pathways, *Reprod Toxicology*, 34:298-307,
- Lewis, B., and Aitken, R.J., 2001. A redox-regulated tyrosine phosphorylation cascade in rat spermatozoa. *Journal of Andrology*. 22(4): 611-622.
- Macholán, M., 2007, Genetic Variation and Phylogeography of Free-living Mouse Species (genus *Mus*) in the Balkans and the Middle East, *Molecular Ecology*
- Mantovani, M.S., Bellini, M.F., *et al.*, 2008, Beta-Glucans in Promoting Health : Prevention Against Mutation and Cancer, *Mutation Research*, (658) : 154-161
- Martinez-Heredia, J., *et al.*, 2006, Proteomic Identification of Human Sperm Proteins, *Proteomic Journal*, 6 : 4356-4369
- McLachlan, R.I., Wreford, N.G., *et al.*, 1996, The Endocrine Regulation of Spermatogenesis: Independent Roles for Testosterone and FSH, *Journal of Endocrinology*, 148 : 1-9.
- Murtini, J., T., Priyanto, N., dan Siregar, S.T., 2007, Toksisitas Subkronik Alginat pada Histopatologi Hati, Ginjal dan Lambung Mencit, *Jurnal Bioteknologi Kelautan dan Perikanan*, Vol, 5, No, 2
- Murray R.F., Harper H.W., 2006, *Harper's Illustrated Biochemistry*. New York: Lange Medical Books/McGraw-Hill. ISBN 0-07-146197-3.
- Naz, R.K., and Cynthia, M.V., 1998, Testis-Specific Protein and Their Role in Contraceptive Vaccine Development, *Frontiers in Bioscience* 3, e39 – 48.

- Nelson D.L., Cox M.M., 2005, *Lehninger's Principles of Biochemistry (4th ed.)*, New York: W. H. Freeman and Company.
- Ohwada, S., Ikeya, T., *et al.*, 2004, Adjuvant immunochemotherapy with oral Tegafur/Uracil plus PSK in patients with stage II or III colorectal cancer: a randomised controlled study, *Br J Cancer*, 90: 1003-1010,
- Ooi, Liu F., 1999, A review of pharmacological activities of mushroom Polysaccharides, *Int J Med Mushrooms*, 1:195–206
- Papadopoulos, V., 2015. How is the Synthesis of Testosterone Regulated. *Handbook of Andrology*. Chapter V.
- Payne, A.H., and Dale, B. Hales, 2004, Overview of Steroidogenic Enzymes in the Pathway from Cholesterol to Active Steroid Hormones, *Endocrine Reviews*, 25(6) : 947-970
- Reddy, K. V. R., *et al.*, 2006, Inhibition in Sperm-egg Binding and Fertilisation in Mice by a Monoclonal Antibody Reactive to 57-kDa Human Sperm Surface Antigen, *Reproduction, Fertility and Development*: 18, 875 - 884
- Reijo, Renee A., *et al.*, 2000, DAZ Family Protein Exist Throughout Male Germ Cell Development and Transit from Nucleus to Cytoplasm at Meiosis in Human and Mice, *Biology of Reproduction*, 63 : 1490 - 1496
- Sagita, A.A., Sri, Puji A.A., *et al.*, 2013, Uji Toksisitas Subkronik Polisakarida Krestin dari Ekstrak *Coriolus versicolor* Terhadap Kadar SGPT *Mus musculus*, *Jurnal Ilmiah Biologi FST*, vol.1 (1)
- Schwiebert, R., 2007, *The laboratory mouse*, Retrieved January 8, 2013, from <http://www.nus.edu.sg/iacuc/files/The%20Laboratory%20Mouse.pdf>
- Seftel, A.D., 2006, Male hypogonadism. Part I: epidemiology of hypogonadism. *International Journal of Impotence Research*, 18, 115–120
- Setchell, B.P., and S.J., Main, 1978, Drugs and the Blood-Testis Barrier, *Environmental Health Perspective*, vol. 24 : 61-64
- Shang Y., Myers M., Brown M., 2009, Formation of the androgen receptor transcription complex, *Mol Cell*, 9:601–610
- Shi, Y., *et al.*, 2013, The Mouse Transcription Factor-like 5 Gene Encodes a Protein Localized in the Manchette and Centriole of the Elongating Spermatid, *Andrology*: 431-439

- Simamatra, Yettrie, B.C., *et al.*, 2012, Hipouricemia Effect of the Sidaguri Leaves Extract (*Sida Rhombifolia* L) To Male Mice, *Journal of Pharmaceutics and Pharmacology*, Vol. 1 (1) : 21-28
- Soehadi, K., 1996, Diabetes Mellitus Pria: Profil Spermogram, Hormon Reproduksi dan Potensi Seks, Airlangga University Press, Surabaya.
- Swaab DF, Garcia-Falgueras A (2009). "Sexual differentiation of the human brain in relation to gender identity and sexual orientation". *Funct. Neurol.* 24 (1):17–28.
- Tremellen K., 2008, Oxidative stress and male infertility--a clinical perspective,
- Ueno, S., Yoshikumi, C., *et al.*, 1980, Method of producing nitrogen-containing polysaccharides, US Patent, 4:202-969,
- Van Holde K.E., Mathews C.K., 1996, *Biochemistry*. Menlo Park, California: Benjamin/Cummings Pub. Co., Inc. ISBN 0-8053-3931-0.
- Wahyuningsih, S.P.A., 2006, Pemanfaatan ekstrak jamur *Coriolus versicolor* sebagai imunomodulator respon imun non-spesifik pada tikus putih akibat infeksi *M. Tuberculosis*, Lembaga Penelitian Universitas Airlangga, Penelitian DIPA Universitas Airlangga, Surabaya,
- Wahyuningsih, S.P.A., dan Darmanto, W., 2010, Uji Toksisitas Akut Polisakarida Krestin dari Ekstrak dan Miselium Jamur *Coriolus versicolor*: *Upaya Menggali Potensi Bahan Hayati sebagai Imunomodulator Respon Imun Terhadap Mycobacterium tuberculosis*, Laporan Penelitian, Universitas Airlangga, Surabaya
- Wahyuningsih, S.P.A., 2011, Analisis Potensi Protein Subunit Membran Spermatozoa Kelinci Sebagai Kandidat Bahan Imunikontrasepsi, *Disertasi*, Universitas Airlangga, Surabaya
- Walker, William H., 2010, Non-classical Actions of Testosterone and Spermatogenesis, *Philosophical Transaction of The Royal B-Society*, 365 : 1557-1569.
- Waterston R.H., Lindblad-Toh, K., 2002, Mouse Genome Sequencing Consortium, "Initial sequencing and comparative analysis of the mouse genome", *Nature*, 520–562.
- Ye, Leping, Su, Z.J., *et al.*, 2011, Inhibitors of Testosterone Biosynthetic and Metabolic Activation Enzymes, *Molecules*, 9983-10001
- Zaidman, B.Z., Yassin, M., Mahajna, J., Wasser S.P., 2005, Medicinal mushroom

modulators of molecular targets as cancer therapeutics, *Appl Microbiol Biotechnol*, 67: 453-468,

