

Daftar Pustaka

- Akao, Y, Nakagawa, Y, Iinuma, M, Nozawa, Y 2008, Anti-cancer effects of xanthenes from pericarps of mangosteen, *Int J Mol Sci*, vol.9, pp.355-370.
- Al-Olayan, EM, El-Khadragy, M, Metwally, DM, Moneim, AE 20014, Protective effects of pomegranate (*Punica granatum*) juice on testes against carbon tetrachloride intoxication in rats, *BMC Complimentary and Alternative Medicine*, vol.14, pp.164.
- Basta, G, Schmidt, AM, Caterina, RD 2004, Advanced glycation end products and vascular inflammation: implications for accelerated atherosclerosis in diabetes, *Cardiovascular Research*, vol.63, pp.582-592.
- Chang, H, Yang, L 2012, Gamma-Mangostin a micronutrient of mangosteen fruit induces apoptosis in human colon cancer cells, *Molecules* vol.17, pp.8010-8021.
- Chang, M, Kim, W, Yang, W, Kim, H, Oh, J, Park, S 2008, Cytoprotective effects of *Morinda officinalis* against hydrogen peroxide-induced oxidative stress in Leydig TM3 cells, *Asian J Androl* vol.10, no.4, pp.667-674.
- Dewita, G 2015, Effectiveness of pericarp Mangosteen extract as nephroprotector, *J Majority* vol.4, no.2, pp.12-17.
- Goldin, A, Beckman, JA, Schmidt, AM, Creager, MA 2006, Advanced glycation end products: Sparking the Development of Diabetic Vascular Injury, *American Hearts Association*, vol.114, pp.597-605.
- Guyton, AC & Hall, JE 2006, *Textbook of Medical Physiology*, 11 edn, Elsevier, Philadelphia.
- Herring, MJ, Oskui, PM, Hale, SL, Kloner, RA 2013, Testosterone and the Cardiovascular System: A Comprehensive Review of the Basic Science Literature, *Journal of the American Heart Association*, vol.2, pp.1-12.
- Irvine, DS 1998, Epidemiology and aetiology of male infertility, *Human Reproduction*, vol.13, pp.33-44.

- Jameson, JL 2010, *Harrison's Endocrinology*, 2 edn, The McGraw-Hill Companies, London.
- Jen, C, Lin, C, Huang, B, Leu, S 2008, Cordycepin induced MA-10 mouse Leydig cell tumor cell apoptosis through Caspase-9 pathway, *Evidence-Based Complementary and Alternative Medicine* vol.2011, pp.1-11.
- Jung, HA, Su, BN, Keller, WJ, Mehta, RG, Kinghorn, AD, 2006, Antioxidant xanthenes from the pericarp of *Garcinia mangostana* (Mangosteen), *J Agric Food Chem* vol.54, no.6, pp.77-82
- Mallidis, C, Czerwiec, A, Filippi, S, O'Neill, J, Maggi, M, McClure, N 2011, Spermatogenic and sperm quality differences in an experimental model of metabolic syndrome and hypogonadal hypogonadism, *Reproduction* vol.142, pp.63-71.
- Matsuura, N, Gamo, K, Miyachi, H, Iinuma, M, Kawada, T, Takahashi, N, et al. 2013, γ -mangostin from *Garcinia mangostana* pericarps as a dual agonist that activates both PPAR α and PPAR δ , *Biosci. Biotechnol, Biochem.*, vol.77, no.12, pp.2430-2435.
- Mayo Clinic 2014, Infertility: causes (Citation), diakses 4 Juni 2015, <<http://www.mayoclinic.org/diseases-conditions/infertility/basics/causes/con-20034770>>.
- Merhi, Z 2013, Advanced glycation end products and their relevance in female reproduction, *Human Reproduction* vol.0, no.0, pp.1-11.
- Mizdak, AS, Chen, H, Papadopoulos, V, Zirkin, BR 2009, Leydig cell aging and the mechanisms of reduced testosterone synthesis, *Molecular and Cellular Endocrinology* vol.299, pp.23-31.
- Murugesan, P, Balaganesh, M, Balasubramanian, K, Arunakaran, J 2007, Effects of polychlorinated biphenyl (Aroclor 1254) on steroidogenesis and antioxidant system in cultured adult rat Leydig cells, *Journal of Endocrinology* vol.192, pp.325-338.
- Nakatani, K, Yamakuni, T, Kondo, N, Arakawa, T, Oosawa, K, Shimura, S, Inoue, H, Ohizumi, Y 2004, γ -Mangostin inhibits Inhibitor- κ B kinase activity and decreases lipopolysaccharide-induced cyclooxygenase-2 gene expression in C6 rat glioma cells, *Mol Pharmacol* vol.66, pp.667-674.

- Olooto, WE 2012, Infertility in male; risk factors, causes and management-A review. *J Microbiol Biotech Res* vol.2, no.4, pp.641-645.
- Pedraza-Chaverri, J, Cardenas-Rodrigues, N, Orosco-Ibarra, M, Perez-Rojas, J 2008, Medicinal properties of mangosteen (*Garcinia mangostana*), *Food and Chemical Toxicology* vol.46, pp.3227-3239.
- Rizal, DM 2014, 'Kadar Testosteron, Ekspresi COX-2, dan Ekspresi Reseptor Advanced Glycation End Products Pada Kultur Sel Leydig Tikus Sprague Dawley yang diinduksi Advanced Glycation End Products dan diberi Gamma-mangostin' [Disertasi], Universitas Gadjah Mada, Yogyakarta.
- Shakui, T, Iguchi, K, Ito, T, Baba, M, Usui, S, Oyama, M, Tosa, H, Iinuma, M, Hirano, K 2014, Anti-androgenic activity of hydroxanthones in prostate cancer LNCaP cells, *Fitoterapia* vol.92, pp.9-15.
- Shan, T, Ma, Q, Guo, K, Liu, W, Wang, F, Wu, E 2011, Xanthones from mangosteen extracts as natural chemopreventive agents: potential anticancer drugs, *Curr Mol Med* vol.11, no.8, pp.666-677.
- Sharma, RK, Pasqualotto, FF, Nelson, DR, Thomas, AJ, Agarwal, A 1999, The reactive oxygen species-total antioxidant capacity score is a new measure of oxidative stress to predict male infertility, *Human Reproduction* vol.14, no.11, pp.2801-2807.
- Singh, R, Barden, A, Mori, T, Beilin, L 2001, Advanced glycation end-products: a review, *Diabetologia* vol.44, pp.129-146.
- Sutyarso, Busman, H 2003, Hubungan Keadaan Hormon Testosteron Dengan Jumlah Dan Kualitas Spermatozoa Pria Infertil Idiopatik, *J Sains Tek*, vol.9, no.3, pp.29-34.
- Tahara, N, Imaizumi, T, Takeuchi, M, Yamagishi, S 2010, Insulin resistance is an independent correlate of high serum levels of advanced glycation end products (AGEs) and low testosterone in non-diabetic men, *Oxidative Medicine and Cellular Longevity* vol.3, no.4, pp.262-265.
- Tanikawa, T, Okada, Y, Tanikawa, R, Tanaka, Y 2009, Advanced Glycation End Products Induce Calcification

of Vaskular Smooth Muscle Cells through RAGE/p38
MAPK, *Vascular Research* vol.4, pp.572-580.

Wang, J, Sanderson, B, Zhang, W 2011, Cytotoxic effect
of xanthones from pericarp of tropical fruit
mangosteen (*Garcinia mangostana* Linn.) on human
melanoma cells, *Food and Chemical Toxicology* vol.49,
pp.2385-2391.

World Health Organization 2012, Infertility definitions
and terminology (*Citation*), diakses 4 Juni 2015,
<<http://www.who.int/reproductivehealth/topics/infertility/definitions/en/>>.