

DAFTAR PUSTAKA

- Amin A, Hamza, A. 2005. *Hepatoprotective effects of Hibiscus, Rosmarinus and Salvia on azathioprine-induced toxicity in rats*. Life Sci. 77 (3): 266-278.
- Agarwal, Ashok, Makker, Kartikeya, Sharma, Rakesh. 2007. *Clinical Relevance of Oxidative Stress in Male Factor Infertility: an update*. <http://ccf.org/reproductiveresearchcenter/docs/agradoc261.pdf>. Diakses bulan Agustus 2016.
- Ahmadnia H, Ghanbari M, Moradi, Dalouee. 2007. *Effect of Cigarette Smoke on Spermatogenesis in Rats*. Urol Journal, 3(4):159-163.
- Ali, B.H, N.A. Wabel & G. Blunden. 2005. Phytochemical, pharmacological, And toxicological aspects of *Hibiscus sabdariffa* L. : A review. *Phytotherapy Research* 19 : 369-375
- Arellano H, Romero F, Soto C.M.A, Tortoriello J. 2004. *Effectiveness and Tolerability of A Standardized Extract from Hibiscus Sabdariffa in patients with mild to moderate hypertension, a controlled and Randomized Clinical Trial*. *Phytomedicine* 11(2004): 375-82.
- Aspan R. 2010. *Rosella (Hibiscus Sabdariffa Linn)* Serial data ilmiah terkini tumbuhan obat. Jakarta. Direktorat obat asli Indonesia. Badan pengawas obat dan makanan RI.
- Bardin J. 1986. *Pituitary-Testicular-Axis*. Reproductive Endocrinology, Saunders. Philadelphia.
- Berne, Robert M. 1983. *Endocrine System*. Physiology. Philadelphia.
- Brook D. E. 1981. *Metabolic Activity in the Epididymis and Its Regulation by Androgen*, Physiology. Reven Press. New York
- Burgos M.H. 1980. *Fine Structure of Testis and Its Functional Significan*, The Testis, Academic Press. New York.
- Clarkson P.M, and Thompson H.S. 2000. Antioxidants: what role do they play in physical activity and health? *Am. J. Clin. Nutr.* 72 (Suppl): 6375-6465.

- Clemont Y. 1982. *Kenetic of Spermatogenesis in Animals, Seminiferous Ephytelium Cycle and Spermatogonial Renewal*, Philadelphia.
- Chevion S, Moran D.S, Heled Y, Shani Y, Regrev G, Abbou B, *et all.* 2003. *Plasma Antioxidant Status and Cell Injury After Severe Physical Exercise*. Proc Nati Acad Sci. 100(9): 5119-5123.
- Dahiru D, Obi O.J, Umaru, H. 2003. *Effect of Hibiscus sabdariffa calyx extract on carbon tetrachloride induced liver damage*. Biokemistri 15(1): 27-33.
- Darmawan. 2007. *Production of ROS and its effect on mitochondrial and nuclear DNA, human spermatozoa, and sperm function*. http://mji.ui.ac.id/v2/?page=journal.download_process&id=190. Diakses bulan September 2016
- de Kretser D. 1997. *Evaluation of Male Gonadal Function*. In: P.J. Rowe and E.M. Vikhlyaeva (eds). *Diagnosis and Treatment of Infertility*. Hans Huber Publisher. Toronto. p. 93-97.
- Feter J, Csomos G and Vereckel A. 1992. *Role of fret radical reaction in liver disease. Free radical and the liver*, Csomos G and Feter J (eds). Springer Verlag. Berlin.
- Hanafiah, Kemas Ali. 1991. *Rancangan Percobaan, Teori dan Aplikasi*. Jakarta: Rajawali Pers.
- Hinting A. 2008. *Study protokol penatalaksanaan dan efektivitas pengobatan infertilitas pria*. <http://digilib.litbang.depkes.go.id/go.pid=skpkbppk-gdl-res-2000-aucky-989inferlitit&node=124&start=836>. Diakses bulan Agustus 2016.
- Havez E.S.E. 1976. *Human Semen and Fertility Regulation in Men*. The C.V. Mosby Company. Saint Louis: 31-43.
- Halliwell B, Gutteridge J.M.C. 1999. *Free Radicals, Reactive Species and Toxicology*. Dalam: *Free radicals in biology and medicine* Third edition. New York: Oxford University Press: 547-550.
- Halliwell B, Gutteridge, J.M.C. 2007. *Free Radicals in Biology and Medicine. Fourth edition*. New York. Oxford University Press.

- Heim, K.E., A.R. Tagliaferro, & D.J. Bobilya. 2001. Flavonoid antioxidants: Chemistry, metabolism and structure-activity relationships. *Journal of Nutritional Biochemistry* 13: 572--584
- Hirunpanich, V., A. Utaipat, N.P. Morales, N. Bunyaphatsara, H.Sato, A.Herunsale, & C. Suthisisang .2005 Antioxidant effects of aqueous extracts From dried calyx of *Hibiscus sabdariffa* Linn. (roselle) in vitro using rat Low-density lipoprotein (LDL). *Biology Pharmacy Bulletin* 28(3) : 481- 484
- Kumalaningsih S. 2007. Antioksidan Alami, Penangkal Radikal Bebas “Sumber, Manfaat, Cara Penyajian dan Pengolahan”. Trubus Agrisarana, Surabaya.
- Kustyawati M.E, Sulastri R. 2008. Pemanfaatan Hasil Tanaman Hias Rosella sebagai Bahan Minuman. *Jurnal Jurusan Teknologi Hasil Pertanian Vol II No.2 Bulan November hal:1-4. Fakultas Pertanian Universitas Lampung.*
- Kusmardiyana S, Melati I, Nawawi A. 2007. Detail Penelitian Obat Bahan Alam. <http://bahan-alam.fa.itb.ac.id> (15 Januari 2011).
- Kusumawati D. 2004. Bersahabat dengan Hewan Coba. Yogyakarta. Gajah Mada University Press.
- Lazze M.C, Pizzala R, Savio M, Stivala L.A, Prosperi E, Bianchi L. 2003. *Anthocyanins protect against DNA damage induced by tert-butyl-hydroperoxide in rat smooth muscle and hepatoma cells.* *Mutation Research* 535: 103-115.
- Lin W.L, Hsieh Y.J, Chou F.P, Wang C.J, Cheng M.T, Tseng T.H. 2003. *Hibiscus protocatechuic acid inhibits lipopolysaccharide-induced rat hepatic damage.* *Arch. Toxicol* 77: 42-47.
- Liu C.L, Wang J.M, Chu C.Y, Cheng M.T, Tseng T.H. 2002. *In vivo protective effect of protocatechuic acid on tert-butyl hydroperoxide-induced rat hepatotoxicity.* *Food Chem. Toxicol* 40: 635-641.
- Wald M, Sandlow L, Fisher. 2008. *Male infertility.* <http://www.uihealthcare.com/topics/medicaldepartments/urology/maleinfertility/index.html>. Diakses pada bulan September 2016.

- Manach, C., A. Scalbert, C. Morand, C. Remesy, & L. Jimenez. 2010. Polyphenols: Food source and bioavailability. *The American Journal of Clinical Nutrition* 79: 727—747
- Mardiah, Sawarni H, Ashadi A dan Rahayu. 2009. Budi Daya dan Pengolahan Rosella si Merah Segudang Manfaat. Cetakan 1. Agromedia Pustaka. Jakarta.
- Maryani H, Kristina L. 2008. Khasiat dan manfaat Rosella. Jakarta. Argomedia.Pustaka.
- Murray R.K, Granner D.K, Mayes P.A, Rodwell V.W. 2000. Biokimia Harper. Edisi 25. Jakarta. EGC. hal: 609-612.
- Moeloe N. 1983. Standarisasi Analisa Sperma Manusia. Perkumpulan Kontrasepsi Mantap Indonesia. Jakarta : 14-24.
- Nasution A.W, 1999. *Andrologi*. Fakultas Kedokteran Universitas Andalas Padang.
- Nijveldt, R.J., E.V. Nood, D.E.C van Horn, P.G. Boelens, K.V.Norren, & P.A.M. van Leewen. 2001. Flavonoids: A review of probable mechanisms of action and potential applications. *American Journal Clinical Nutrition* 74: 418-425
- Ojokoh O.A. 2006. *Roselle (Hibiscus sabdariffa) calyx Diet and histopatological Changes in Liver Albino Rats*. *J Food Tec* 5(2): 110-113.
- Oteiza, P.I., A.G. Erlejman, S.V. Verstraeten, C.L. Keen, & C.G. Fraga. 2005 Flavonoid-membrane interaction: A protective role of flavonoids at the Membrane surface? *Clinical and Developmental Immunology* 12(1): 19—25
- Pangkahila W. 2007. Memperlambat Penuaan Meningkatkan Kualitas Hidup. Anti-Aging Medicine. Cetakan ke-1. Jakarta. Penerbit Buku Kompas. hal:8-11.
- Pham-Huy L.A.P, He H, Pham-Huy C. 2008. *Free Radicals, Antioxidants in Disease and Health*. *Int J Biomed Sci* 4:89-96.
- Perey B. 1981. *The Wave of the Seminiferous Epithelium of the Rat*. *Am. J. Anatomy*.
- Rahmawati 2012. *Khasiat dan manfaat Rosella*. Jakarta. EGC

- Rush J.W.E, Denniss S.G, Graham D.A. 2005. *Vascular Nitric Oxide and Oxidative Stress: Determinants of Endothelial Adaptations to Cardiovascular Disease and to Physical Activity*. Can J Appl Physiol 30(4): 442-474.
- Rugh R. 1997. *The Mouse, Its Reproduction and Development*. Burgers Publishing Co. Minneapolis.
- Rojks H.K and Schill, W.B. 1979. *Serum Prolactin in Male Infertility*. Andrologi.
- Saleh, Ramadan A, Agarwal, Ashok. 2002. *Oxidative Stress and Male Infertility: From Research Beach to Clinical Practice*. J. Androl. 23(6):737-752. www.clevelandclinic.org/ReproductiveResearchCenter/docs/agradocs110.pdf. Diakses pada bulan Agustus 2016.
- Siti, Untari Subekti. 2009. Pengaruh vitamin E terhadap Proses Spermatogenesis Mancit Jantan Strain B/C yang diberi Paparan Asap Rokok
- Suryohudoyo P. 2000. *Kapita Selekta Ilmu Kedokteran Molekuler*. Perpustakaan Nasional RI. Jakarta. Penerbit CV Sagung Seto. hal:31-47
- Soehadi K. 1992. *Analisis Sperma*. Airlangga University Press. Surabaya.
- Szocs K. 2004. Endothelial Dysfunction and Reactive Oxygen Species Production in Ischemia/Reperfusion and Nitrate Tolerance. *Gen Physiol. Biophys* 23:265-295.
- Taher A. 2008. Infertilitas pada pria. <http://www.asrihospital.com/?q=node/52>. Diakses pada bulan September 2016.
- Tremellen K. 2008. *Oxidative Stress and Male Infertility-a clinical perspective*. www.repromed.com.au/custom/files/Oxidative%20stress%20and%20male%20infertility.pdf. Diakses pada bulan Agustus 2016.
- Tilak J. C dan Devasagayam T. P. A. 2006. *Oxidative Damage to Mitochondria*. In Singh, K. K., editor. *Oxidative Stress, Disease and Cancer*. Singapura: Mainland Press, p. 85-150.
- Utami S, Tiono H, Anandaputri, Vikie N. Pengaruh Pasta Tomat (*Solanum lycopersicum*) terhadap Diameter Tubulus Seminiferus Mencit (*Mus musculus*) Galur DDy yang terpajan asap rokok berfilter. <http://majour.maranatha.edu/index.php/jurnal->

- [kedokteran/article/download/pp.%2047-54/pdf](#). Diakses pada bulan Agustus 2016.
- Valko M. 2002. *Free Radical, metal and antioxidant in oxidative stress induced cancer*. J Chem. Biol. Rusia edisi 160.p.1-40.
- Wang, H., G. Cao, & R.L. Prior. 1997. Oxygen radical absorbing capacity of Anthocyanins. *Journal Agricultural Food Chemistry* 45: 304--309
- Washington. 1990. *Introduction of Morphology Abnormal Sperm in Rat Exposed to Oxylene*. Arch. Andrology.
- World Health Organization. 1994. Penuntun Laboratorium WHO untuk Pemeriksaan Semen Manusia dan interaksi Sperma-Getah Serviks. Jakarta: Balai Penerbit Fakultas Kedokteran Universitas Indonesia.
- World Health Organization. 2005. *Infertility*.
<http://www.who.int/reproductivehealth/infertility/index.htm>. Diakses pada bulan Agustus 2016.
- WHO. 2002. *Selenium. Human Vitamin and Mineral*. FHO/WHO. Roma
- Wong and Young C.H. 1978. *Absorbative and Secretary Function of the Perfused Rat Cauda Epididymis*. J.Physiology.
- Yatim W. 1996. Reproduksi dan Embriologi. Bandung, Tarsito.
- Zainuddin M. 2000. Metodologi Penelitian. Universitas Airlangga Press. Surabaya.