

## DAFTAR PUSTAKA

- Abeeleh, M.A., Ismail, Z.B., Alzaben, K.R., Abu-Halaweh, S.A., Al-Essa, M.K., Abuabeeleh, J. 2009. Induction of Diabetes Mellitus in Rats Using Intraperitoneal Streptozotocin: A Comparison between 2 Strains of Rats. *European Journal of Scientific Research*. 32(3): 398-402.
- Boudreau, L. 2011. *Principles of Immunohistochemistry Queen's Laboratory For Molecular Pathology*. [http://www.path.queensu.ca/qlmp/sites/default/files/Principles\\_of\\_ImmunoHisto\\_Chemistry%20\(1\).pdf](http://www.path.queensu.ca/qlmp/sites/default/files/Principles_of_ImmunoHisto_Chemistry%20(1).pdf) [19 Februari 2020].
- Collins L.L., Lee H.J., Chen Y.T., Chang M., Hsu H.Y., Yeh S., Chang C., 2003. The Androgen Resesptor in Spermatogenesis. *Cutogenet genome Res*. 103:299-301.
- Ding GL, Liu Y, Liu ME, Pan JX, Guo MX, Sheng JZ. 2015. The effects of diabetes on male fertility and epigenetic regulation during spermatogenesis. *Asian Journal of Andrology*. 17. 10.4103/1008-682X.150844.
- Eleazu, C.O., Eleazu, K.C., Chukwuma, S., dan Essien, U.N. 2013. Review of The Mechanism of Cell Death Resulting from Streptozotocin Challenge in Experimental Animals, Its Practical Use and Potential Risk to Humans. *Journal of Diabetes and Metabolic Disorders*. 12: 60
- Eroschenko, V. P. 2008. *DiFiores's Atlas of Histology with Functional Correlations Eleventh Edition*. Philadelphia; Lippincott Williams & Wilkins. Halaman : 409-424.
- Eroschenko, V. P. 2010. *Atlas Histologi DiFiore dengan Korelasi Fungsional*. Jakarta; Penerbit Buku Kedokteran EGC. Halaman : 423-439.
- Fischer, A.H., Jacobson, K.A., Rose, J., dan Zeller, R. 2006. *Hematoxylin and Eosin Staining of Tissue and Cell Sections*. Central Staining Histology Protocol.
- Fung, A.Y.F. dan Tam, D.C.C. 2010. Review on The Effectiveness of Immunohistochemical Stainings. *Journal of Hong Kong Institute of Medical Laboratory Sciences*. 12: 49-55
- Guyton. 1995. *Fisiologi Manusia dan Mekanisme Penyakit*. Jakarta; Buku Kedokteran EGC
- Halim, D., Murti, H., Sandra, F., Boediono, A., Djuwantono, T., dan Setiawan, B. 2010. *Stem Cell: Dasar Teori dan Aplikasi Klinis*. Erlangga, Jakarta. 4-13

- Handoko, T., dan B, Suharto. 1995. *Insulin, Glukagon dan Anti Diabetic Oral*. Bagian Farmakologi Fakultas Kedokteran Universitas Indonesia. Jakarta : 467-481.
- Johnson L., Thompson DL., Varner DD. 2008. Role of Sertoli Cell Number and Function on Regulation of Spermatogenesis. *Anim Reprod Sci*. 105:23-51
- Junqueira, L.C. 2007. *Persiapan Jaringan untuk Pemeriksaan Mikroskopik. Histology Dasar : Teks dan Atlas. Edisi 10*. Penerbit Buku Kedokteran EGC. Jakarta. 3-5.
- Kementrian Kesehatan RI. 2014. Situasi dan Analisis Diabetes. *InfoDATIN*. Nov 14. 1
- Kiernan, J.A. 1990. *Histology and Histochemical Methods : Theory and Practice 2nd Edition*. Oxford : Pergamon Press.
- Kuehnel, W. 2003. *Color Atlas of Cytology, Histology, and Microscopic Anatomy 4th edition, revised and enlarged*. New York: Thieme Stuttgart. Halaman : 376-386.
- Nugroho, W.S., Kusindarta, D.L., Susetya, H., Fitriana, I., Mulyani, G.T., Fibrianto, Y.H., Haryanto, A., Budipitojo, T. 2016. The Structural and Functional Recovery of Pancreatic  $\beta$ -cells in type 1 Diabetes Mellitus Induced Mesenchymal Stem Cell-Conditioned Medium. *Veterinary World* Vol.9 May 2016.18
- Padeta, I., Nugroho, W. S., Kusindarta, D. L., Fibrianto, Y. H., dan Budipitojo, T. 2017. Mesenchymal Stem Cell-conditioned Medium Promote the Recovery of Skin Burn Wound. *Asian Journal of Animal and Veterinary Advances* 12(3): 132-141
- Pawitan, J. A. 2014. Prospect of Stem Cell Conditioned Medium in Regenerative Medicine. *Biomedical Research International*: 1-14.
- Prihatno S.A., Padeta I., Larasati A.D., Sundari B., Hidayati A., Febrianto Y.H., Budipitojo T., 2018. Effects of secretome on cisplatin-induced testicular dysfunction in rats. *Journal of Veterinary World*. 2018 Sep; 11(9): 1349-1356.
- Rantam, F. A. 2003. *Metode Imunologi*. Airlangga University Press : Surabaya. Halaman : 3-88.
- Reddy, K.P., Madhu, P., dan Reddy, P.S. 2016. Protective Effects of Resveratrol Against Cisplatin-Induced Testicular and Epididymal Toxicity in Rats. *Food and Chemical Toxicology* 91 (2016) 65e72

- Rehiara, R. E. 2009. Pengaruh Fotoperiode Prelahir dan Pascalahir Terhadap Jumlah Lapisan Sel Spermatogenik Testis Tikus Putih (*Rattus norvegicus* L.). *Jurnal Kedokteran Dan Kesehatan Volume II, Nomor 1: 16-22*.
- Sarugaser, R., Lickorish, D., Baksh, D., Hosseini, M. M., dan Davies, J. E. 2005. Human Umbilical Cord Perivascular (HUCPV) Cells : A Source of Mesenchymal Progenitors. *Stem Cells* (23) : 220-229.
- Schoeller EL, Albanna G, Frolova AI, Moley KH. 2012. Insulin Rescues Impaired Spermatogenesis via the Hypothalamic-Pituitary-Gonadal Axis in Akita Diabetic Mice and Restores Male Fertility. *Diabetes*. 1869-1878. 10.2337/db11-1527
- Sisman, A.R., Kiray, M., Camsari, U.M., Evren, M., Ates, M., Baykara, B., Aksu, I., Guvendi, G., dan Uysal, N. 2014. Potential Novel Biomarkers for Diabetic Testicular Damage in Streptozotocin-Induced Diabetic Rats: Nerve Growth Factor Beta and Vascular Endothelial Growth Factor. *Disease Markers* (2014) 108106
- Smith L.B., dan Walker W.H. 2014. The Regulation of Spermatogenesis by Androgens. *Elsevier-Semin Cell Dev Biol*, DOI: [dx. doi. org/ 10. 1016/ j. emcdb. 2014.02.012](https://doi.org/10.1016/j.emcdb.2014.02.012)
- Srinivasan, K. dan Ramarao, P. 2007. Animal Models in Type 2 Diabetes Research: An Overview. *Indian Journal of Medical Research*. **125**: 451-472
- Suryadi, E., Iryani, D., dan Suyono, S. K. 2007. Perubahan Sel-Sel leydig Tikus Putih (*Rattus Norvegicus*) Jantan Dewasa Setelah Pemberian Monosodium Glutamat Peroral. *Jurnal Anatomi Indonesia Volume 1 No. 03 April*: 129 – 132.
- Sutedjo, A.Y. 2007. *Buku Saku Mengenal Penyakit Melalui Hasil Pemeriksaan Laboratorium*. Amara Books. Yogyakarta.
- Szkudelski, T. 2001. The Mechanism of Alloxan and Streptozotocin Action in  $\beta$  Cells of The Rat Pancreas. *Physiological Research*. **50**: 536-546
- Tandra, H. 2008. *Segala Sesuatu Yang Harus Anda Ketahui Tentang Diabetes*. PT Gramedia Pustaka Utama. Jakarta.
- Unitly, A. J. A., Kusumorini, N., Agungpriyono, S., Satyaningtjas, A. S., dan Boediono, A. 2014. Perubahan Kualitas Spermatozoa dan Jumlah Sel- sel Spermatogenik Tikus Yang Terpapar Asap Rokok. *Jurnal Kedokteran Hewan Vol. 8 No 2:116-119*.

- Wahyuni, S., Agungpriyono, S., Agil, M., dan Yusuf, T. L. 2012. Histologi dan Histomorfometri Testis dan Epididimis Muncak (*Muntiacus muntjak muntjak*) pada Periode Ranggah Keras. *Jurnal Veteriner Vol. 13 No. 3: 211-219*.
- Wijaya, C.H., Rahminiwati, M., Wu, M.C., Lo, D. 2011. Inhibition of  $\alpha$  Glukosidase and  $\alpha$ -Amylase Activities of some Indonesian Herbs : In Vitro Study. *The 12th ASEAN Food Conference 2011. Bangkok 16-18 June*.