

DAFTAR PUSTAKA

- Agilli, M., F. N. Aydin, Y. G. Kurt, dan T. Cayci. 2016. Importance of Serum Amyloid-A in Behçet's Disease. *Clinical Rheumatology* 35:551–552.
- American Diabetes Association. 2018. Standards of Medical Care in Diabetes-2018 Abridged for Primary Care Providers. *Clinical Diabetes* 36 (1): 14-37.
- Anwer. T. 2014. Melatonin Ameliorates Hyperinsulinemia, Glucose Intolerance, and Insulin Resistance in STZ-Nicotinamide Induced Type 2-Diabetic Rats. *International Journal of Pharmacy and Pharmaceutical Sciences* 6 (2): 133-136.
- Arulmozhi, D. K., A. Veeranjanyulu, S. L. Bodhankar. 2004. Neonatal Streptozotocin-Induced Rat Model of Type 2 Diabetes Mellitus: A Glance. *Indian Journal of Pharmacology* 36 (4): 217-221.
- Badawi, A., A. Klip, P. Haddad, D. E. Cole, B. G. Bailo, A. El-Sohemy, and M. Karmali. 2010. Type 2 Diabetes Mellitus and Inflammation: Prospects for Biomarkers of Risk and Nutritional Intervention. *Diabetes, Metabolic Syndrome and Obesity: Targets and Therapy* 3: 173–186.
- Barbierato, M., M. Borri, L. Facci, M. Zusso, S. D. Skaper, and P. Giusti. 2017. Expression and Differential Responsiveness of Central Nervous System Glial Cell Populations to The Acute Phase Protein Serum Amyloid A. *Scientific Reports* 7 (1): 12158.
- Brill, M. T. 2012. *USA Today Health Reports : Diseases and Disorders Diabetes*. Minneapolis : Twenty-First Century Books.
- Burmester, G.R., and A. Pezzutto. 2003. *Color Atlas of Immunology*. Stuttgart : Thieme. 82-83.
- Crowther, J. R. 1995. *ELISA Theory and Practice*. New Jersey : Humana Press. 36-37
- De Buck, M., M. Gouwy, J. M. Wang, J. V. Snick, G. Opendakker, S. Struyf, and J. V. Damme. 2016. Structure and Expression of Different Serum Amyloid A (SAA) Variants and their Concentration-Dependent Functions During Host Insults. *Current Medicinal Chemistry* 23 (17): 1725-1755.

- Eckersall, P. D., and R. Bell. 2010. Acute Phase Proteins: Biomarkers of Infection and Inflammation in Veterinary Medicine. *The Veterinary Journal* 185: 23-27
- Eleazu, C. O., K. C. Eleazu, S. Chukwuma, U. N. Essien. 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 & Metabolic Disorders* 12:60.
- Faty, A., P. Ferre, S. Commans. 2012. The Acute Phase Protein Serum Amyloid A Induces Lipolysis and Inflammation in Human Adipocytes through Distinct Pathways. *Plos One* 7 (4): 1-10.
- Fitria, L., dan M. Santo. 2014. Profil Hematologi Tikus (*Rattus norvegicus* Berkenhout, 1769) Galur Wistar Jantan dan Betina Umur 4, 6, dan 8 Minggu. *Biogenesis* 2 (2): 94-100.
- Goud, B. J., Dwarakanath.V, B. K.C. Swamy. 2015. Streptozotocin - A Diabetogenic Agent in Animal Models. *International Journal of Pharmacy and Pharmaceutical Research* 3 (1): 253-269.
- Graham, M. L., J. L. Janecek, J. A. Kittredge, B. J Hering, dan H. J. Schuurman. 2011. The Streptozotocin-Induced Diabetic Nude Mouse Model: Differences between Animals from Different Sources. *Comparative Medicine* 61 (4): 356-360.
- Gundmi, S., A. G. Maiya, A. K. Bhat, N. Ravishankar, M. H. Hande, and K. V. Rajagopal. 2018. Hand Dysfunction in Type 2 Diabetes Mellitus: Systematic Review with Meta-Analysis. *Annals Physical and Rehabilitation Medicine* 61 (2): 99-104.
- Hu, L., Y. Zhang, X. Wang, L. You, P. Xu, X. Cui, L. Zhu, C. Ji, X. Guo, and J. Wen. 2018. Maternal Vitamin D Status and Risk of Gestational Diabetes: A Meta-Analysis. *Cellular Physiology Biochemistry* 45 (1): 291-300.
- Kementerian Kesehatan RI. 2014. *Situasi dan Analisis Diabetes*. Jakarta: Kementerian Kesehatan RI. 1-2
- Krinke, G. J. 2000. *The Laboratory Rat*. London: Academic Press. 4-5.
- Li, W., W. Ruan, Y. Peng, and D. Wang. 2018. Soy and The Risk of Type 2 Diabetes Mellitus: A Systematic Review and Meta-Analysis of Observational Studies. *Diabetes Research and Clinical Practice* 137: 190-199.

- Liu, D., X. Li, J. Zhou, S. Liu, T. Tian, Y. Song, Z. Zhu, L. Zhou, T. Ji, C. Yang. 2017. A Fully Integrated Distance Readout ELISA-Chip for Point-of-Care Testing with Sample-in-Answer-Out Capability. *Biosensors and Bioelectronics* 96: 332–338.
- Mao, J. Y., J. T. Sun, K. Yang, W. F. Shen, L. Lu, R. Y. Zhang, X. Tong, Y. Liu. 2017. Serum Amyloid A Enrichment Impairs The Anti-Inflammatory Ability of HDL from Diabetic Nephropathy Patients. *Journal of Diabetes and Its Complications* 31: 1538–1543.
- Markey, B., F. Linola, M. Archambault, A. Culliname, and D. Maguire. 2013. *Clinical Veterinary Microbiology Second Edition*. London : Mosby Elsevier. 53-55.
- McTiernan, A. 2011. *Physical Activity, Dietary Calorie Restriction, and Cancer*. Seattle : Springer. 112.
- Murata H., Shimada N., Yoshioka M. 2004. Current Research on Acute Phase Proteins in Veterinary Diagnosis: An Overview. *The Veterinary Journal* 168: 28-40.
- Ozougwu, J. C., K. C. Obimba, C. D. Belonwu, and C. B. Unakalamba. 2013. The Pathogenesis and Pathophysiology of Type 1 and Type 2 Diabetes Mellitus. *Journal of Physiology and Pathophysiology* 4 (4): 46-57.
- Pandey, J. C. and C. K. Prasad. 2016. Study of Acute Phase Proteins in Liver Disease. *Asian Journal of Biomedical and Pharmaceutical Sciences* 6 (53): 35-36
- Polepalle, T., S. Moogala, S. Boggarapu, D. S. Pesala, and F. B. Palagi. 2015. Acute Phase Proteins and Their Role in Periodontitis: A Review. *Journal of Clinical and Diagnostic Research* 9 (11): ZE01-ZE05.
- Poretzky, L. 2010. *Principles of Diabetes Mellitus* Second Edition. Springer. New York. 180-196.
- Pournaghi, P., R. Sadrkhanlou, S. Hasanzadeh, and A. Foroughi. 2012. An Investigation on Body Weights, Blood Glucose Levels and Pituitary-Gonadal Axis Hormones in Diabetic and Metformin-Treated Diabetic Female Rats. *Veterinary Research Forum* 3 (2): 79–84.
- Punchard, N. A., C. J. Whelan, and I. Adcock. 2004. The Journal of Inflammation. *Journal of Inflammation* 1:1-4.
- Ramadhona, E. 2018. Gambaran Protein Fase Akut *C-Reactive Protein* (CRP) dan Kadar Glukosa Darah Tikus Wistar Diabetik yang Diinduksi

Streptozotocin. Skripsi. Fakultas Kedokteran Hewan Universitas Gadjah Mada, Yogyakarta.

Rosyadi, I., E. Romadhona, A. T. Utami, Y. N. Hijrati, C. M. Santosa 2018. Analisis Kadar Fibrinogen sebagai Biomarker Diabetik pada Tikus Wistar yang Diinduksi Streptozotocin. *ARSHI Veterinary Letters* 2 (1): 3-4.

Selim, S. A., and A. O. Selim. 2012. Effect of Streptozotocin-Induced Diabetes Mellitus on The Cerebellar Cortex of Adult Male Albino Rats: Histological and Immunohistochemical Study. *The Egyptian Journal of Histology* 36: 103-113.

Sen, S., R. Chakraborty, and B. De. 2016. *Diabetes Mellitus in 21st Century*. Springer. Singapore. 13-22.

Sengupta, P. 2013. The Laboratory Rat: Relating It's Age with Human's. *International Journal of Preventive Medicine* 4 (6): 624-630.

Silbernagl, S. and F. Lang. 2016. *Color Atlas of Pathophysiology* Third Edition. Stuttgart: Thieme. 278-279.

Smith J. B., dan S. Mangkoewidjojo. 1988. *Tikus Laboratorium (Rattus norvegicus)*. Dalam: *Pemeliharaan, Pembiakan, dan Penggunaan Hewan Percobaan di Daerah Tropis*. Jakarta: Penerbit Universitas Indonesia (UI-Press). 37-53.

Togashi, Y., J. Shirakawa, T. Okuyama, S. Yamazaki, M. Kyohara, A. Miyazawa, T. Suzuki, M. Hamada, and Y. Terauchi. 2016. Evaluation of The Appropriateness of Using Glucometers for Measuring The Blood Glucose Levels in Mice. *Scientific Reports* 6: 25465.

Tsun, J. G. S, S. W. M. Shiu, Y. Wong, S. Yung, T. M. Chan, and K. C. B. Tan. 2013. Impact of Serum Amyloid A on Cellular Cholesterol Efflux to Serum in Type 2 Diabetes Mellitus. *Atherosclerosis* 231: 405-410.

Uhlar, C. M., and A. S. Whitehead. 1999. Serum Amyloid A, the Major Vertebrate Acute-Phase Reactant. *European Journal of Biochemistry* 265: 501-523.

Walker, J. M., and R. Rapley. 2008. *Molecular Biomethods Handbook* Second Edition. Totowa : Humana Press. 669-670.

WHO. 2016. *Global Report On Diabetes*. World Health Organization. France 6-7.

Wilcox, G. 2005. Insulin and Insulin Resistance. *The Clinical Biochemistry Reviews* 26: 19-30

- Zambrana, S., L. C. E. Lundqvist, V. Veliz, S. B. Catrina, E. Gonzales, and C. G. Ostenson. 2018. Amaranthus Caudatus Stimulates Insulin Secretion in Goto-Kakizaki Rats, A Model of Diabetes Mellitus Type 2. *Nutrients* 10 (1).
- Zheng, G., F. Mo, C. Ling, H. Peng, W. Gu, M. Li, and Z. Chen. 2018. Portulaca Oleracea L. Alleviates Liver Injury in Streptozotocin-Induced Diabetic Mice. *Drug Design Development Therapy* 12: 47-55.
- Zhuo, J., Q. Zeng, D. Cai, X. Zeng, Y. Chen, H. Gan, X. Huang, N. Yao, D. Huang, and C. Zhang. 2018. Evaluation of Type 2 Diabetic Mellitus Animal Models Via Interactions Between Insulin and Mitogenactivated Protein Kinase Signaling Pathways Induced by A High Fat and Sugar Diet and Streptozotocin. *Molecular Medicine Reports* 17 (4): 5132-5142.