

DAFTAR PUSTAKA

- Akinchi, F., Yildirim, A., Gozu, H., Sargin, H., Orbay, E., and Sargin, M. 2008. Assessment of health-related quality of life (HRQoL) of patient with type 2 diabetes in Turkey. *Diabetes Research and Clinical Practice*. 79: 117-123.
- Arora, J.B. and Dwayne, H. 2009. Common catfish (*Clarias bathracus*) extract as a antidiabetic agent in streptozotocin induced rats. *International Journal of Diabetes*. 45: 2007-2010.
- Astuti, M. 2007. *Pengantar Ilmu Statistik untuk Peternakan dan Kesehatan Hewan*. Binasti, Bogor. 215.
- Badan Pengawasan Obat dan Makanan Republik Indonesia. 2008. *Direktorat Obat Asli Indonesia*. Departemen Kesehatan Republik Indonesia, Jakarta.
- Badan Pengawasan Obat dan Makanan Republik Indonesia. 2007. *Acuan Sediaan Herbal Volume Ketiga Edisi Pertama*. Badan Pengawasan Obat dan Makanan Republik Indonesia, Jakarta. 62-63.
- Baker, H.J., Lindsey, J.R., and Wesibroth, S.H. 1979. *The Laboratory Rat: Biology and Disease* Volume 1. Academic Press, New York. 38.
- Bandawane, D., Juvekar, A., and Juvekar, M. 2011. Antidiabetic and antihyperlipidemic effect of *Alstonia scholaris* Linn bark in streptozotocin induced diabetic rat. *Indian Journal of Pharmaceutical Education and Research*. 45(2): 114-120.
- Bhandary, M.J., Chandrashekar, K.R., and Kaveriappa, K.M. 1995. Medical ethnobotany of the Siddis of Uttara Kannada district, Karnataka, India. *Journal Ethnopharmacology*. 47(3): 149-158.
- Bharadwaj, S. and Gakhar, S.K. 2005. Ethnomedicinal plants used by the tribals of Mizoram to cure cuts and wound. *Indian Journal of Traditional Knowledge*. 4(1): 75-80.
- Conn, P.M. 2017. *Animal Models for the Study of Human Disease*. Academic Press, London. 250.
- Dabbs, D.J. 2014. *Diagnostic Immunohistochemistry: Theranostic and Genomic Applications*. Elseiver, Philadelphia. 1-3.
- Dalimartha, S. dan Adrian, F. 2012. *Makanan dan Herbal untuk Penderita Diabetes Mellitus*. Penebar Swadaya, Bogor. 14.

- Dash, G.K. and Padhy, S. 2006. Review on ethnomedicines for diarrhea diseases from Orissa: prevalence versus culture. *Journal of Human Ecology*. 20(1): 59-64.
- Departemen Kesehatan Republik Indonesia. 2005. *Pharmaceutical Care untuk Penyakit Diabetes*. Departemen Kesehatan Republik Indonesia, Jakarta. 7, 36.
- Descamps, F.J., Van den Steen, P.E., Nelissen, I., Damme, J.V., and Opdenakker, G. 2003. *Glycobiology and Medicine*. Edited by Axford, J.S. Kluwer Academic, New York. 74.
- Dey, A. 2011. *Alstonia scholaris* R. Br. (Apocynaceae): phytochemistry and pharmacology: A concise review. *Journal of Applied Pharmaceutical Science*. 1(6): 51-57.
- Dufrane, D., Steenberghe, M., Guiot, Y., Goebbels, R. M., Saliez, A., and Gianello, P. 2006. Streptozotocin-induced diabetes in large animals (pigs, primates): role of GLUT2 transporter and β -cell plasticity. *Transplantation*. 81: 36-45.
- Eleazu, C.O., Eleazu, K.C., Chukwuma, S., and 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 Diabetic and Metabolic Disorders*. 12(60): 1-7.
- Elsner, M. 2000. Relative importance of transport and alkylation for pancreatic betha-cell toxicity of streptozotocin. *Diabetogenia*. 43: 2528-2533.
- Estridge, B.H., Anna, P.R., and Norma, J.W. 2000. *Basic Medical Laboratory Techniques* 4th Edition. Thomson Learning, USA. 429.
- Evy. 2008. *Waspada! Ancaman Diabetes Mellitus*. <http://www.kompas.com>. Diakses tanggal 28 Januari 2018.
- Faiz, O. dan Moffat, D. 2002. *At a Glance Series Anatomi*. Penerjemah: Rahmalia, A. Judul buku asli: *Anatomy at a Glance*. Penerbit Erlangga, Jakarta. 43.
- Frandsen, R.D. 1992. *Anatomi dan Fisiologi Ternak*. Penerjemah: Srigandono, B. Judul buku asli: *Anatomy and Physiology of Animals*. UGM Press, Yogyakarta. 864-867.
- Goel, S. 2017. *Causes and Cure of Diabetes*. Diamond Pocket Books, New Delhi. 5.

- Greco, D.S. and Autumn, P.D. 2017. *Blackwell's Five-Minute Veterinary Consult Clinical Companion: Small Animal Endocrinology and Reproduction*. John Wiley and Sons Inc, Iowa. 322.
- Hamid, M.A. and Moustofa, N. 2013. Protective effect of curcumin on histopathology and ultrastructure of pancreas in the alloxan treated rats for induction of diabetes. *The Journal of Basic and Applied Zoology*. 66: 169-179.
- Hariono, B., Christin, M.S., dan Imron, R. 2017. Efek Perasan Kulit Batang Pule (*Alstonia scholaris* L. R. Br.) terhadap Kadar Glukosa Darah dan Gambaran Histopatologik Hati, Ginjal, dan Pankreas Tikus Wistar (*Rattus norvegicus*) yang Diinduksi Streptozotocin (STZ). Laporan Penelitian Pengembangan Departemen Patologi Klinik Fakultas Kedokteran Hewan Universitas Gadjah Mada.
- Harmanto, N. dan Prapti, U. 2013. *Jamu Ajaib Penakluk Diabetes*. AgroMedia Pustaka, Jakarta. 131.
- Hastuti, N.W. dan Lubis, H.M.L. 2011. Manfaat pemeriksaan imunohisto(sito)kimia. *Cermin Dunia Kedokteran*. 38(5): 384-386.
- Hau, J. and Van Hooiser, G.L. 2002. *Handbook of Laboratory Animal Science* 2nd Edition. CRC Press, Florida. 524-526.
- Hayes, P.C. dan Thomas, W.M. 1993. *Buku Saku Diagnosis dan Terapi*. Penerjemah: Ronardy, D.H. Judul buku asli: *Churchill's Pocketbook of Medicine*. Penerbit Buku Kedokteran EGC, Jakarta. 16.
- Hedrich, H.J. 2000. *The Laboratory Rat*. Diedit oleh Krinke, G.J. Academic Press, California. 3.
- Igor, B.B. and Werner, B. 2010. *Immunohistochemistry: Basics and Methods*. Springer, New York. 2.
- Johnson, K.C. 1994. *Seri Kapita Selekta Histologi dan Biologi Sel*. Penerjemah: Gunajaya, A. Judul buku asli: *Histology and Cell Biology*. Binarupa Aksara, Jakarta. 310-315.
- Johns Hopkins University. 2011. *Species Specific Information: Rat*. <http://web.jhu.edu/animalcare/procedures/rat.html>. Diakses tanggal 5 Februari 2018.

- Kee, J.L. dan Hayes, E.R. 1993. *Farmakologi: Pendekatan Proses Keperawatan*. Penerjemah: Anugerah, P. Judul buku asli: *Pharmacology: A Nursing Process Approach*. Penerbit Buku Kedokteran EGC, Jakarta. 569.
- Khanna, A.K., Rizfi, F., and Chander, R. 2002. Lipid lowering activity of *Phyllanthus niruri* in hiperlipidermic rats. *Journal of Ethnopharmacology*. 82(1):19-22.
- Khare, C.P. 2007. *Indian Medicinal Plants*. Springer Science and Business Media LLC, New Delhi. 434-435.
- Lanywati, E. 2001. *Diabetes Mellitus, Penyakit Kencing Manis*. Kanisius, Yogyakarta. 7.
- Laurence, D.R. and Bacharach, J.M. 1964. *Evaluation of Drug Activities*. Academic Press, London. 117.
- Leeson, T.S., Lesson, C.R., and Paparo, A.A. 1988. *Text/Atlas Histology*. Saunders, USA.473.
- Leeson, C.R. 1990. *Textbook of Histology* 6th Edition. W.B. Saunders, Philadelphia.373-383.
- Lenzen, S. 2008. The mechanism of alloxan- and streptozotocin- induced diabetes. *Diabetologia*. 51(2): 216-226.
- Marks, D.B., Marks, A.D., dan Smith, C.M. 1996. *Biokimia Kedokteran Dasar*. Penerjemah: Pendit, B.U. Judul buku asli: *Basic Medical Biochemistry: A Clinical Approach*. Penerbit Buku Kedokteran EGC, Jakarta. 368.
- Meschner, A. 2016. *Junquiera's Basic Histology Text and Atlas* 14th Edition. The McGraw-Hill Companies Inc, New York. 332-334.
- Misnadiarly. 2006. *Diabetes Mellitus: Gangren, Ulcer, Infeksi. Mengenal Gejala, Menanggulangi, dan Mencegah Komplikasi*. Pustaka Populer Obor, Jakarta. 53-54.
- Mollik, M.A.H., Hossan, M.S., Paul, A.K., Taufiq-Ur-Rahman, M., Jahan, R., and Rahmatullah, M.A comparative analysis of medicinal plants used by folk medicinal healers in three districts of Bangladesh and inquiry as to mode of selection of medicinal plants. *Ethnobotany Research and Application*. 8: 195-218.
- Muchtar, A.F. 2009. *Rahasia Hidup Sehat dan Bahagia*. PT Bhuana Ilmu Populer, Jakarta. 37.

- Neal, M.J. 2005. *At a Glance: Farmakologi Medis* Edisi ke-5. Penerjemah: Juwita, S. Judul buku asli: *Medical Pharmacology at a Glance*. Penerbit Erlangga, Jakarta. 78.
- Novianto, F. dan Triyono, A. 2015. Studi klinis formula jamu antihiperqlikemia terhadap fungsi hati. *Prosding Seminar Peluang Herbal sebagai Alternatif Medicine*. 35-41.
- Nugroho, A.E. 2006. Hewan percobaan diabetes mellitus: patologi dan mekanisme aksi diabetogenik. *Biodiversitas*.7(4): 378-382.
- Ozoguwu, J.C., Obimba, K.C., Belonwu, C.D., and Unkalamba, C.B. 2013. The pathogenesis and pathophysiology of type 1 and type 2 diabetes mellitus. Abia State: Rhema University Aba. *Journal of Physiology and Pathophysiology*. 4(4): 46-57.
- Pathak, S., Dorfmueller, H.C., Borodkin, V.S., and Aalten, M.F. 2008. Chemical dissection of the link between streptozotocin, O-GlcNAc, and pancreatic cell death. *PubMed Central Journal*. 15(8): 799-807.
- Paulsen, D.F. 2000. *Histology and Cell Biology Examination and Board Review* 1st Edition. McGraw-Hill, Singapore. 270-271.
- Pavri, S.K.R. 2001. *Essentials of Diabetes Mellitus and It's Treatment by Homeopathy*. B. Jain Publishers Ltd, USA. 1-2.
- Pearce, E.C. 2000. *Anatomi dan Fisiologi untuk Paramedis* Edisi ke-23. Penerjemah: Handoyo, S.Y. Judul buku asli: *Anatomy and Physiology for Nurses*. Gramedia Pustaka Utama, Jakarta. 207-208.
- Perkumpulan Endokrinologi Indonesia (PERKENI). 2015. *Konsensus Pengelolaan dan Pencegahan Diabetes Melitus Tipe 2 di Indonesia*. Penerbit Perkeni, Jakarta. 1-14.
- Powers, A.C. 2008. *Diabetes Mellitus: Harrison's Principle of Internal Medicine* Volume II 17th Edition. McGraw-Hill Medical, New York. 2275-2304.
- Prusti, A.B. and Behera, K.K. 2007. Ethnobotanical exploitation of Malkangiri district of Orissa, India. *Ethnobotanical Leaflets*. 11: 122-140.
- Rahmatullah, M., Mollik, M.A.H., Ali Azam, A.T.M., Islam, M.R., Chowdhury, M.A.M., Jahan, R., Chowdhury, M.H., and Rahman, T. 2009. Ethnobotanical survey of the santal tribe residing in Thakurgaon district, Bangladesh. *American-Eurasian Journal of Sustainable Agriculture*. 3(4): 889-898.

- Rahmawati, P. 2014. Manajement of diabetes mellitus type II not controlled with hypertension grade I. *Jurnal Medula Unila*. 3(1): 80-89.
- Rajakumar, N. and Shivanna, M.B. 2010. Traditional herbal medicinal knowledge in Sagar taluk of Shimoga district, Karnataka, India. *Indian Journal of Natural Products and Resources*. 1(1): 102-108
- Raju, S.M. and Raju, B. 2010. *Illustrated Medical Biochemistry* 2nd Edition. Jaypee Brothers Medical Publishers Ltd., India. 645.
- Riduan, R.J. 2015. Pengaruh pemberian ekstrak jahe merah terhadap gambaran histopatologi pankreas yang diinduksi aloksan. *Majority*. 4(8): 11-16.
- Rowley, W.R and Bezold, C. 2012. Creating Public Awareness State 2025 Diabetes Forecasts. *Population Health Management*. 194-200.
- Rukmana, R. 1995. *Temulawak-Tanaman Rempah dan Obat*. Kanisius, Yogyakarta. 11.
- Saikia, B. 2006. Ethnomedicinal plants from Gohpur of Sonitpur district, Assam, India. *Journal of Traditional Knowledge*. 67(9): 1591-1594.
- Santoso, S. 2001. *SPSS Versi 10, Mengolah Data Statistik Secara Profesional*. PT Elex Media Komputindo, Jakarta. 272-273.
- Sharma, T.K., Singh, R., and Yadav, V.K. 2015. Toxic Effect of Titanium (TiO₂) on Wistar Rat (*Rattus norvegicus*) Injected by Intravenously. *Journal of Materials Science and Nanotechnology*. <https://jmsnjournal.wordpress.com/2015/07/01/toxic-effect-of-titanium-tio2-on-wistar-rat-rattus-norvegicus-injected-by-intravenously/>. Diakses tanggal 5 Februari 2018.
- Shaw, J.E., Sicree, R.A., and Zimmet, P.Z. 2010. Diabetes atlas: Global estimates of the prevalence of diabetes for 2010 and 2030. *Diabetes Research and Clinical Practice*. 87: 4-14.
- Singh, B. and Sangwan, P. 2011. Taxonomy, ethnobotany, and antimicrobial activity of *Alstonia scholaris* (L.) R. Br., *Carissa carandas* L., and *Catharanthus roseus* (L.) G. Don. *International Journal of Biotechnology and Bioscience*. 1(1): 102-112.
- Smith, J.B. dan Soesanto, M. 1988. *Pemeliharaan, Pembiakan, dan Penggunaan Hewan Percobaan di Daerah Tropis*. UI Press, Jakarta. 38-39.

- Sohilait, H.J., Pentury, Th., Rupilu, J.A., Bandjar, A., Hutagalung, R. 2010. *Proseding Seminar Nasional Basic Science II*. Universitas Pattimura, Ambon. 19.
- Suriani, N. 2012. *Gangguan Metabolisme Karbohidrat pada Diabetes Melitus*. Universitas Brawijaya, Malang. 7-13.
- Syauqi, A. 2015. Perbedaan kadar glukosa darah puasa pasien diabetes melitus berdasarkan pengetahuan gizi, sikap, dan tindakan di poli penyakit dalam Rumah Sakit Islam Jakarta. *Jurnal Gizi Indonesia*. 3(2): 60-67.
- Szkudelksi, T. 2001. The mechanism of alloxan and streptozotocin action in cells of the rat pancreas. *Physiology Research*. 50: 536-546.
- Tambajong, J. 1995. *Sinopsis Histologi Edisi Pertama*. Penerbit Buku Kedokteran EGC, Jakarta. 138-141.
- Utami, P. dan Tim Lentera. 2003. *Tanaman Obat untuk Mengatasi Diabetes Mellitus*. AgroMedia Pustaka, Jakarta. 48.
- Vikneshwaran, D., Viji, M., and Raja, L.K. 2008. A survey of the ethnomedicinal flora of the Sirumalai Hills, Dindugul district, India. *Ethnobotanical Leaflets*. 12: 948-953.
- Wiar, C. 2006. *Medicinal plants of the Asia-Pacific Drugs for the Future*. World Scientific Publishing Co. Pte.Ltd., Singapore. 447-450.
- Widyastuti, S. dan Suarsana, I.Y. 2011. Ekstrak air tapak dara menurunkan kadar glukosa dan meningkatkan jumlah sel beta pankreas kelinci hiperglikemia. *Jurnal Veteriner*. 12(1): 7-12.
- Yusuf, M., Wahab, M.A., Chowdhury, J.A., and Begum, J. 2006. Ethnomedicobotanical knowledge from Kaukhali proper and Betbungia of Rangamati district, Bangladesh. *Journal Plant Taxonomy*. 13(1): 55-61.
- Zashim, U, Hassan, M.A., and Sultan, M. 2006. Ethnobotanical survey of medicinal plants in Phulbari upzalia of Dinajpur district, Bangladesh. *Journal Plant Taxonomy*. 13(1): 63-68.
- Zulkarnain. 2013. Perubahan kadar glukosa darah puasa pada tikus *Sprague Dawley* yang diinduksi streptozotocin dosis rendah. *Jurnal Kedokteran Syiah Kuala*. 13(2): 71-76.