

## DAFTAR PUSTAKA

- Adji, D. Hubungan Konsentrasi Malondealdehida, Glukosa dan Total Kolesterol pada Tikus Putih yang Diinjeksi dengan Streptozotocin. *J. Sain Vet.*, 2008; Vol. 26, No. 2.
- Andallu, B., A.V. Vinay Kumar, and N. Ch. Varadacharyulu. Lipid abnormalities in streptozotocin-diabetes: Amelioration by *Morus indica* L. Cv Suguna leaves. *Int J Diab Dev Ctries*, 2009; Volume 29, Issue 3.
- Arulmozhi, S., Papiya Mitra M., Sathiyarayanan L., and Prasad T. Antidiabetic and antihyperlipidemic activity of leaves of *Alstonia scholaris* Linn. R.Br. *European Journal of Integrative Medicine*, 2010; 2: 23–32.
- Astuti, S.M., Mimi S., Retno A., and Awalludin R. Determination of Saponin Compound from *Anredera cordifolia* (Ten) Steenis Plant (Binahong) to Potential Treatment for Several Diseases. *Journal of Agricultural Science*, 2011; Vol. 3, No. 4.
- Astuti, S.M. 2013. *Skrining Fitokimia dan Uji Aktifitas Antibiotika Ekstrak Etanol Daun, Batang, Bunga dan Umbi Tanaman Binahong (Anredera cordifolia (Ten) Steenis)*. Tidak diterbitkan. Fakultas Kejuteraan Kimia dan Sumber Asli (Bioproses), Universitas Malaysia Pahang, Malaysia.
- Bachtiar, W. 2014. *Ekstrak Daun Anredera cordifolia terhadap kadar serum insulin tikus putih model DM2*. Tugas Akhir. Tidak diterbitkan, Fakultas Kedokteran Universitas Brawijaya, Malang.
- Banzal, P., Piya P., Jayesh M., Pawan G.N., Steve T.P., K.I. Priyadarsini, and M.K. Unnikrishnan. Antidiabetic, antihyperlipidemic and antioxidant effects of the flavonoid rich fraction of *Pilea microphylla* (L.) in high fat diet/streptozotocin-induced diabetes in mice. *Experimental and Toxicologic Pathology*, 2012; 64: 651–658.
- Bekti, R.S., Cholid T.T. dan Linda O.S.C. 2011. *Efek Ekstrak Kulit Manggis (Garcinia Mangostana L.) Peroral Terhadap Kadar HDL dan LDL Serum pada Tikus Putih (Rattus norvegicus) Strain Wistar Model Aterogenik*. Tugas Akhir. Tidak diterbitkan, Fakultas Kedokteran Universitas Brawijaya, Malang.
- BPOM. 2008. *Direktorat Obat Asli Indonesia*.
- Cobas. 2006. *Triglycerides, Cholesterol, HDL-cholesterol, and LDL-cholesterol*. USA: Roche Diagnostics.
- Cook, C.L, John T.J. and William E.W. dalam Chisholm-Burns, M.A., Barbara G.W., Terry L.S., Patrick M.M., Jill M.K, John C.R. and Joseph T. Dipiro. 2008. *Pharmacotherapy Principles and Practices*. The McGraw-Hill Companies, Inc. United States of America.

- Cramer, J.A. A Systematic Review of Adherence With Medications for Diabetes. *American Diabetes Association. Diabetes Care*, 2004; Volume 27, Number 5.
- Dewi, M. Resistensi Insulin Terkait Obesitas: Mekanisme Endokrin dan Intrinsik Sel. *Jurnal Gizi dan Pangan*, 2007; 2(2): 49 – 54.
- Depkes RI. 1995. *Farmakope Indonesia Edisi IV*. Jakarta: Direktorat Jenderal Pengawasan Obat dan Makanan, Departemen Kesehatan Republik Indonesia.
- Federer, W.T. 1991. *Statistics and Society: Data Collection and Interpretation. 2nd Ed.* New York: Marcel Dekker.
- Food Review Indonesia. 2013. *Freeze Drying Technology: for Better Quality & Flavor of Dried Products*. Vol. VIII, No. 2.
- Gadja, A.M. High Fat Diets for Diet-Induced Obesity Models: A Brief Review of the Scientific Literature. *Obesity*, 2008; 3000-2-09. Research Diets, Inc.
- Gani, N., Lidya I.M., dan Mariska M.P. Profil Lipida Plasma Tikus Wistar yang Hiperkolesterolemia pada Pemberian Gedi Merah (*Abelmoschus manihot* L.). *Jurnal MIPA Unsrat Online*, 2013; 2 (1): 44-49.
- Handayani. Modifikasi Gaya Hidup dan Intervensi Farmakologis Dini untuk Pencegahan Penyakit Diabetes Mellitus Tipe 2. *Media Gizi Masyarakat Indonesia*, 2012; Vol.1, No.2: 65-70.
- Harini, M dan Okid Parama A. Kadar Kolesterol Darah Tikus Putih (*Rattus norvegicus*) Hiperkolesterolemik Setelah Perlakuan VCO. *Bioteknologi*, 2009; 6 (2): 55-62.
- Hartoyo, A., Dahrulsyah, Nurheni S., dan Purwono N. Pengaruh Fraksi Karbohidrat Kacang Komak (*Lablab purpureus* (L.) sweet) Terhadap Kolesterol dan Manoldehid Serum Tikus Percobaan yang Diberi Ransum Tinggi Kolesterol. *Jurnal Teknologi dan Industri Pangan*, 2008; Vol. XIX No 1.
- Inawati, S., dan Hendiq W. Pengaruh Ekstrak Daun Inai (*Lawsonia inermis* Linn.) Terhadap Penurunan Kadar Glukosa, Kolesterol Total dan Trigliserida Darah Mencit yang Diinduksi Aloksan. *Jurnal Kimia Indonesia*, 2007; Vol. 2(1).
- Indrawati, S. 2014. *Efek Pemberian Ekstrak Daun Binahong (Anredera cordifolia) Terhadap Kadar Glikogen Otot Pada Tikus Putih (Rattus norvegicus) Strain Wistar Model Diabetes Mellitus Tipe 2*. Tugas Akhir. Tidak diterbitkan, Fakultas Kedokteran Universitas Brawijaya, Malang.
- Jack D. 2003. *Overview of The Antidiabetic Agents*. Endocrine Pharmacotherapy Module. Spring.



- Kittappa, P. and Sandip M. Metformin beyond hypoglycemic effect. *International Journal of Clinical Cases and Investigations*, 2012; Volume 4 (Issue 1).
- Koda-Kimble, M.A., Lloyd Y.Y., Brian K.A., Robin L.C., B. Joseph G., Wayne A.K., and Bradley R. W. 2009. *Applied Therapeutics: The Clinical Use Of Drugs, 9th Edition*. Lippincott Williams & Wilkins.
- Krishna, D.B., Sugana R. And M.L. Satyanarayana. Serum Insulin Levels and Lipid Profiles of Streptozotocin Induced Diabetic Wistar Rats. *J. Ind. Vet. Assoc.*, 2012; 10 (2).
- Kristina, N.N., Edy D.K., dan Putri K.L. Analisis Fitokimia dan Penampilan Polapita Protein Tanaman Pegagan (*Centella asiatica*) Jasil Konversi *In Vitro*. *Bul. Litro.*, 2009; Vol. 20 No. 1, 11-20.
- Kumalasari, E. dan Nanik S. Aktivitas Antifungi Ekstrak Etanol Batang Binahong (*Anredera cordifolia* (Tenore) Steen.) Terhadap *Candida albicans* Serta Skrining Fitokimia. *Jurnal Ilmiah Kefarmasian*, 2011; Vol. 1, No. 2, page: 51 – 62.
- Laurence, D.R. and A.L. Bacharach. 1964. *Evaluation of Drugs Activities*. London: Pharmacometrics.
- Lehninger, A.L., David L.N., Michael M.C. 2005. *Lehninger Principles of Biochemistry, Fourth Edition*. W.H. Freeman.
- Lensen, S. The mechanisms of alloxan- and streptozotocin-induced diabetes. *Diabetologia*, 2008; 51:216–226.
- Longo, D.L., Dennis L.K., J. Larry J., Anthony S.F., Stephen L.H., and Joseph L. 2012. *Harrison's Principles of Internal Medicine*. United States: The McGraw-Hill Companies, Inc.
- Makalalag, I.W., Adeanne W., dan Weny W. Uji Ekstrak Daun Binahong (*Anredera cordifolia* Steen.) Terhadap kadar Gula Darah Pada Tikus Putih Jantan Galur Wistar (*Rattus norvegicus*) yang Diinduksi Sukrosa. *Jurnal Ilmiah Farmasi – Unsrat*, 2013; Vol. 2 No. 01.
- Malik, V.S., Barry M., George A.B., Jean-Pierre D. and Frank B. Sugar-Sweetened Beverages, Obesity, Type 2 Diabetes Mellitus, and Cardiovascular Disease Risk. *American Heart Association, Inc. Circulation*, 2010;121:1356-1364.
- Manaf, A. 2008. *DPP-4 Inhibitor : A New Pathway in Diabetes Management*. Tidak diterbitkan. Padang: Fakultas Kedokteran Universitas Andalas.
- Marks, D.B., Allan D.M., dan Colleen M.S. 1996. Basic Medical Biochemistry: A Clinical Approach, Joko Suyono, Vivi S. dan Lydia I.M (Ed). *Biokimia Kedokteran Dasar: Sebuah Pendekatan Klinis*, Brahm, U.P. (penterjemah), 2000. Jakarta: Buku Kedokteran EGC.

- McPhee, S.J. and William F.G. 2005. *Pathophysiology of Disease*. San Fransisco, California: The McGraw-Hill Companies.
- Miladiyah, I. and Bayu R.P. Ethanol extract of *Anredera cordifolia* (Ten.) Steenis leaves improved wound healing in guinea pigs. *Universa Medicina*, 2012; Vol. 31 – No. 1.
- Mooradian, A.D. Dyslipidemia in type 2 diabetes mellitus. *Nature Clinical Practice Endocrinology and Metabolism*, 2009; Vol 5 No 3.
- Murray, R.K., Daryl K.G., Peter A.M., and Victor W.R. 2003. *Harper's Illustrated Biochemistry, 26th Edition*. United States of America: McGraw-Hill Companies, Inc.
- Narender, T., T. Khaliq, G. Madhur. Naturally occurring antihyperglycemic and antidyslipidemic agents. India. *Opportunity, Challenge and Scope of Natural Products in Medicinal Chemistry*, 2011; 155-185 ISBN: 978-81-308-0448-4.
- Nathan, D.M., John B.B., Mayer B.D., Ele F., Rury R.H., Robert S., and Benard Z. Medical Management of Hyperglycemia in Type 2 Diabetes: A Consensus Algorithm for the Initiation and Adjustment of Therapy. *American Diabetes Association and Springer. Diabetes Care*, 2009; Volume 32, Number 1.
- Nugroho, A.E. Hewan Percobaan Diabetes Mellitus: Patologi Dan Mekanisme Aksi Diabetogenik. *Biodiversitas*, 2006; Vol. 7, No. 4, hal. 378-382.
- Nurdiana, Inggita K., dan Petika Rizky S. 2013. *Pengaruh Pemberian Tepung Sorgum (Sorghum bicolor L.) Terhadap Kadar Trigliserida Darah pada Tikus (Rattus norvegicus Strain Wistar) yang Diberi Diet Aterogenik*. Tugas Akhir. Tidak diterbitkan, Fakultas Kedokteran Universitas Brawijaya, Malang.
- Olokoba, A.B., Olusegun A.O, and Lateefat B.O. Type 2 Diabetes Mellitus: A Review of Current Trends. *Oman Medical Journal*, 2012; Vol. 27, No. 4: 269-273.
- Pasaribu, F., Panal S., dan Saiful B. Uji Ekstrak Etanol Kulit Buah Manggis (*Garcinia mangostana* L.) terhadap Penurunan Kadar Glukosa Darah. *Journal of Pharmaceutics and Pharmacology*, 2012; Vol 1(1): 1-8.
- Pederson, O. 2006. *Pharmaceutical Chemical Analysis*. United States of America: Taylor & Francis Group, LLC.
- Pranata, F.J. 2010. *Pengaruh Pemberian Ekstrak Daun Pare terhadap Kadar Insulin pada Tikus Putih Strain Wistar Model Diabetes Melitus Tipe 2 dengan Hiperinsulinemia*. Tugas Akhir. Tidak diterbitkan. Fakultas Kedokteran Brawijaya, Malang.
- Ratimanjari, D.A. 2011. *Pengaruh Pemberian Infusa Herba Sambiloto (Andrographis paniculata Nees) Terhadap Glibenklamid dalam Menurunkan Kadar Glukosa Darah Tikus Putih Jantan yang Dibuat*



*Diabetes. Skripsi.* Tidak Diterbitkan. Fakultas Matematika dan Ilmu Pengetahuan Alam, Universitas Indonesia, Depok.

Riesanti, D.G., Masdiana C.P., dan Herawati. 2013. Kadar HDL, Kadar LDL dan Gambaran Histopatologi Aorta Pada Hewan Model Tikus (*Rattus norvegicus*) Hiperkolesterolemia dengan Terapi Ekstrak Air Benalu Mangga (*Dendrophthoe pentandra*). Tugas Akhir. Tidak diterbitkan. Fakultas Kedokteran Hewan Universitas Brawijaya, Malang.

Shehata, M.M.A., Zaki Y.A.E., Ebtesam A.E.A., and Noha A.T.A. Comparison of Effect of Stagliptin and Glimpiride on Glycemic Control and Potential Cardiovascular Complications in Diabetic Albino Rats. *Z.U.M.J.*, 2013; Vol. 19, N. 4.

Shibayagi. 2006. *Insulin Rat Kit*. Gunnam.

Shridar, M.G., R. Vinayagamoorthi, V. Arul S., Z. Bobby, and N. Selvaraj. Bitter Gourd (*Momordica charantia*) Improves Insulin Sensitivity by Increasing Skeletal Muscle Insulin Stimulated IRS-1 Tyrosine Phosphorylation in High-Fat-Diet Fed Rats. *British Journal of Nutrition*, 2008; Vol 99: 806-812.

Siegel E.G., E.R. Trimble, A.E. Renolds, and H.R. Berthoud. Importance of Preabsorptive Insulin Release on Oral Guucose Tolerance: Studies on Pancereatic Islet Transplanted Rats. *Gut*, 1980; Vol 21: 1002-1009.

Srinivasan, K., B. Viswanad, Lydia A., C.L. Kaul, and P. Ramarao. Combination of high-fat diet-fed and low-dose streptozotocin-treated rat: A model for type 2 diabetes and pharmacological screening. *Pharmacological Research*, 2005; 52 pages 313-320.

Sugiyono. 2007. *Statistika untuk Penelitian*. Bandung: Alfabeta.

Sukandar, E.Y., Atun Q. dan Lady L. Efek Ekstrak Metanol Daun Binahong (*Anredera cordifolia* (Ten.) Steenis) Terhadap Gula Darah pada Mencit Model Diabetes Melitus. *Jurnal Medika Planta*, 2011; Vol. 1 No. 4.

Sukandar, E.Y., Fidrianny I., and Adiwibowo. Efficacy of Ethanol Extract of *Anredera cordifolia* (Ten) Steenis Leaves on Improving Kidney Failure in Rats. *Asian Network for Scientific Information. International Journal of Pharmacology*, 2011; 7 (8): 850-855.

Sumartiningsih, S. The Effect of Binahong to Hematoma. *World Academy of Science, Engineering and Technology* 78, 2011.

Szkudelski, T. The Mechanism of Alloxan and Streptozotocin Action in B Cells of the Rat Pancreas. *Physiological Research*, 2001; 50: 536-546.

Tiwari, A.K., and J. Madhusudana R. Diabetes mellitus and multiple therapeutic approaches of phytochemicals: Present status and future prospects. *Current Science*, 2002; Vol. 83, No. 1.

Tripathi, B.K. and Arvind K.S. Diabetes mellitus: Complications and therapeutics. *Med Sci Monit*. 2006. 12(7): RA130-147.

- Triplitt, C.L., Charles A.R. and William L.I. *dalam* Dipiro, J.T., Robert L.T., Gary C.Y., Gary R.M., Barbara G.W., and L. Michael P. 2008. *Pharmacotherapy: a Pathophysiological Approach, 7<sup>th</sup> Edition*. McGraw-Hill Company. New York.
- Tsalissavrina, I., Djoko W., dan Dian H. 2013. *Pengaruh Pemberian Diet Tinggi Karbohidrat Dibandingkan Diet Tinggi Lemak Terhadap Kadar Trigliserida dan HDL Darah Pada Rattus norvegicus strain wistar*. Tugas Akhir. Tidak diterbitkan, Laboratorium Ilmu Penyakit Dalam Fakultas Kedokteran Universitas Brawijaya/RSU dr. Saiful Anwar, Malang.
- Vijan, S., Rodney A.H., David L.R., and Timothy P.H. Brief Report: The Burden of Diabetes Therapy - Implications for the Design of Effective Patient-centered Treatment Regimens. *J Gen Intern Med*, 2005; 20:479–482.
- Wardhani, L. K. dan Nanik S. Uji Aktivitas Antibakteri Ekstrak Etil Asetat Daun Binahong (*Anredera scandens* (L.) Moq.) Terhadap *Shigella flexneri* beserta Profil Kromatografi Lapis Tipis. *Jurnal Ilmiah Kefarmasian*, 2012; Vol. 2, No. 1: 1-16.
- Widowati, L., Sumali W., dan Pudjiastuti. Pengaruh Ekstrak Etanol Biji Klabat (*Trigonella foenum-graecum* L.) Terhadap Kadar Gula Darah Tikus NIDDM. *Buletin Penelitian Kesehatan*, 2006; Volume 32: 172-182.
- Wulandari, L.T. 2011. *Pengaruh Pemberian Ekstrak Daun Pare (Momordica Charantia L.) Terhadap Kadar Total Kolesterol Tikus (Rattus norvegicus) Strain Wistar Model Diabetes Melitus Tipe 2*. Tugas Akhir. Tidak diterbitkan, Fakultas Kedokteran Universitas Brawijaya, Malang.
- Zhang, M., Xiao-Yan Lv, Jing Li, Zhi-Gang Xu, and Li Chen. The Characterization of High-Fat Diet and Multiple Low-Dose Streptozotocin Induced Type 2 Diabetes Rat Model. *Experimental Diabetes Research*, 2008; Article ID 704045,9 pages. Hindawi Publishing Corporation.