

DAFTAR PUSTAKA

- ADA, 2007, Standards of Medical Care in Diabetes. American Diabetes Association.
- Adnyane, I. K. M., Macdonald, A. A., Winarto, A., Agungpriyono, S., (2010), Studi Mikroanatomi Pankreas Babirusa (*Babirusa babirusa*) Menggunakan Metode Pewarnaan Baku dan Imunohistokimia, *J Kedokteran Hewan*, 4(2),
- Akbar, B., (2010), *Tumbuhan dengan Kandungan Senyawa Aktif yang Berpotensi Sebagai Bahan Antifertilitas*, Adabia Press UIN, Jakarta.
- Ali S, Rohilla A, Dahiya A, Kushnoor A, Rohilla S., (2014) Streptozotocin induced diabetes: Mechanisms of induction. *Int J Pharm Res Develop*. 4(04)
- Amic, D., Beslo, D., Trinajstic, N., & Davidovic, (2002). Structure-Radical Scavenging Activity Relationships of Flavonoids. *Croatia Chemica Acta*, 6(1), 55-61.
- Badole, S.L., Bonhankar, S., (2007), Interaction of Aqueous Extract of *Pleurotus pulmonarius* (Fr.) Quel-Champ with Glyburide in Alloxan Induced Diabetic Mice, *J Applied Biomedicine*: 16.
- Chandrappa, S.M., Hugar, S., Itgappa, M., Nagarajappa, K., (2009). *Antidiabetic and Antioxidant Potential of Coleus aromaticus Leaf Extracts In Alloxan Induced Diabetic Rats*. Department of Biochemistry, S.S. Institute of Medical Science and Research Centre, Davangere – 577005 Karnataka, India.
- Coskun O, Kante, r M., Korkaz, A., and Oter, S., (2005), *Quercetin, a Flavonoid Antioxidant , Prevent and Protectsts Streptozotozin Induced Oxidative Stress and Beta Cell Damage in Rat Pancreas*. *Pharmacological Research*. 51(2).
- Damanik, R., Damanik, N., Daulay, Z., Saragih, S., Premier., R., Wattanapenpaiboon., N., Wahlqvist. M. L., (2001), Consumption of bangun-bangun leaves (*Coleus amboinicus* Lour) to increase breast milk production among Batakneese women in North Sumatra Island, Indonesia, *Proceedings of the Nutrition Society of Australia*.
- Damanik, R., (2005), Effect Of Consumption Of Torbangun Soup (*Coleus amboinicus* Lour) On Micronutrient Intake Of The Batakneese Lactating Women, *Medan Gizi & Keluarha*, 29 (1).

- Devi, M., Syarief, H., Damanik, R., Sulaeman, A., Setiawan, B., Dewi, R., (2010), *Suplementasi Daun Torbangun (Coleus Amboinicus Lour) Untuk Menurunkan Keluhan Sindrom Premenstruasi Pada Remaja Putri*, 33(2).
- Diani, A. R., Sawada, G., Wyse, B., Murray, F.T dan Khan, M., (2004), Pioglitazone preserves pancreatic islet structure and insulin secretory function in three murine models of type 2 diabetes. *Am. J Physiol. Endocrinol. Metab.*
- Dinara, J.M., Marc, F.R., Jane, M.B., Joa˜o, 8. A.P.A.H., & Jenifer, S. (2007). Antioxidant Properties of β -Carboline Alkaloids are Related to Their Antimutagenic and Antigenotoxic Activities. *Mutagenesis*, 22(4).
- Dragan.,(2003), Structure Radical Scavenging Activity Relationship Of Flavonoids, *Croatica Chemica Actaccacca* 76(1).
- Etuk, E. U 13; Muhammed, B. J., (2010), Evidence Based Analysis of Chemic al Methode of Introducti on of Diabetes Mellitus in Experimental Rats. *Int. J. Res. Pharm. Sci* 1(2).
- Esmawati, E., (2015), Pengaruh Ekstrak Daun Sirsak (*annona muricata L.*) terhadap Kadar Glukosa dan Histologi Pankreas Tikus (*Rattus norvegicus*) yang Diinduksi Aloksan, Skripsi, Jurusan Biologi Fakultas Sains dan Tekbologi Universitas Islam Negeri (UIN) Maulana Malik Ibrahim Malang.
- Evacuasiani, E., Delima, E. R., Boen , R., (2010). The Effect Of *Morinda citrifolia L.* Ethanol Extract On Blood Glucose In Alloxan Induced Maale Mice Swiss webster Strain, *J Medica Planta* 1(1), Fakultas Kedokteran, Universitas Kristen Maranatha Jl Prof. Drg. Soeria Soemantri, MPH No. 65, Bandung.
- Faurholt-J. D, Range, N., PrayGod, G., Jeremiah, K., (2011., Diabetes is a risk factor for pulmonary tuberculosis: A case-control study from Mwanza, Tanzania. *PLoS ONE*. 6(8).
- Fauzi, T. M., (2008), Pengaruh Pemberian Timbal Asetat dan Vitamin C Terhadap Kadar Malondialdehyde dan Kualitas Spermatozoa di Dalam Sekresi Epididimis Mencit Albino (*Mus musculus*) Strain Balb/ C, *Tesis Magister Sains*, Program Studi Biomedik, Universitas Sumatera Utara, Medan.
- Filipponi, p., Gregorio, F., Cristallini, S., Ferrandina, C., Nicoletti I., Santeusanio, F., (2008)., Selective Impairment Of Pancreatic a Cell Suppression by Glucose During Acute Induced Insulinopenia: In Vitro Study On Isolated Perfused Rat Pancreas.

- Garvey, W. T., Maianu, L., Zhu, J. H., Hook, G. B., Wallace, P., Baron, A. D., (1998)., Evidence for Defects in the Trafficking and Translocation of GLUT4 Glucose Transporters in Skeletal Muscle as a Cause of Human Insulin Resistance. *The Journal of Clinical Investigation*; 101 (11).
- Giri, L. N., (2008), Potensi Antioksidasi Daun Salam: Kajian In Vivo Pada Tikus Hiperkolesterolemia dan Hiperglikemia, Skripsi, Program Studi Biokimia Fakultas Matematika Dan Ilmu Pengetahuan Alam Institut Pertanian Bogor Bogor.
- Gultom, Herdi., (2012), *Kajian Manfaat Ekstrak Daun Bangun-Bangun (Coleus amboinicus Lour) Sebagai Antioksidan Pada Tikus Putih (Rattus norvegicus) Yang Diberi Aktivitas Fisik Maksimal (AFM)*, Skripsi Program Studi Biologi, UNIMED.
- Guo, S dan L.A. DiPietro., (2010), Factors Affecting Wound Healing. *J Dent Res.* 89 (3):219-229.
- Gunawijaya, A., (1994), *Buku Teks Histologi Jilid 2*, Binarupa Aksara, Jakarta.
- Guyton., (1987), *Fisiologi Manusia dan Mekanisme Penyakit*, Buku Kedokteran IGC.
- Guyton dan Hall, 1996. *Buku Ajar Fisiologi Kedokteran*. Edisi 15. Jakarta: ECG
- Hazimah, Teruna, H. Y., Jose, C., (2013), Aktivitas Antioksidan dan Antimikrobia dari Ekstrak *Plectranthus amboinicus*, *Jurnal Penelitian Farmasi Indonesia* 1(2): ISSN 2302-187X.
- Hsieh, P. C., Huang, G. J., Ho, Y. L., Lin, Y. H., Huang, S. S., Chiang, Y. C., Tseng, M. C., Chang, Y. S., (2010), Activities of Antioxidant, A Glukosidase Inhibitors and Aldose Reductase Inhibitors of The Aquous Extracts of Four Flemingia Species in Taiwan. *Botanic al Studies*: 51.
- Huijberts, M.S.P., 1994, *Vasculer Dysfunction In Experimental Diabetes, Dissertation, Universitaire Pers Maastricht, Netherlands.*
- Ibrahim, M. A., (2001), *Insecticidal, Repellent, Antimicroba Activity and Phytotoxicity of Essential Oils: With Special Reference to Limonene and its Suitability for Control of Insect Pest. Agric Food Sci Finl*, 10.
- Inawati., (2011). *Pengaruh Ekstrak Biji Juwet terhadap p Penurunan Glukosa Darah pada Mencit BALB/c Jantan yang Diinduksi Streptozotocin.* [E-Library]. Universitas Wijaya Kusuma, Surabaya.

Jauniaux, E., Davies, T.C., Johns, J., Dunster, C., Hempstock, J., Kelly, F. J., and Burton, G. J., (2004), Distribution and Transfer Pathways of Antioxidant Molecules Inside the First Trimester Human Gestational Sac. *J Clin Endocrinol Metab*; 89(3).

Juniastuti, T., (2003), *Pengaruh Pemberian Forskolin Terhadap Kadar Insulin dan Kadar Glukosa Darah Pada Tikus Putih (Rattus norvegicus) Hiperlikemi Eksperimental*, Lembaga Penelitian UNAR.

Kahn, B. B; Flier, J. S. Obesity and Insulin Resistance., (2000), *The Journal of Clinical Investigation*. 106 (4.).

Karam, J. H. Pancreatic Hormones and Diabetes Mellitus . In: Greenspan FS, Stewler GJ, editors. Basic and Clinical Endocrinology. Appleton & Lange, Stamford CT USA; 1997 p. 601-2.

Kardika, I. B. Y; Herawati, S; Yasa, I. W. P. S, *Preanalitik dan Interpretasi Glukosa Darah untuk Diagnosis Diabetes Melitus*, Bagian Patologi Klinik, Fakultas Kedokteran, Universitas Udayana Rumah Sakit Umum Pusat Sanglah: 1-14.

Kramer W., (1995). *The molecular interaction of sulphonylureas*. DRCP 28.

Kurniawan, I., (2010), *Diabetes Melitus Tipe 2 Pada Usia Lanjut*. Klinik Usila Puskesmas Pangkalbalam, Pangkalpinang, Kepulauan Bangka Belitung, *Maj Kedokt Indon*:60 (12).

Kandungu, J., Anjarwalla, P., Mwaura, L., Ofori, D. A., Jamnadass, R., Stevenson P. C; Smith, P, *Pesticidal Plant Leaflet Thitonia diversifolia (Hamsley)A. Gray*, The University Of Grenwich, Royal Botanic Gardens, World Agroforestry Center.

Kim, J. S., Ju, J. B., Choi, C.W., Kim, S.C., (2006), Hypoglycemic and antihyperlipidemic effect of four korean medicinal plants in alloxan induced diabetic rats. *Am, J Biochem. Biotech*: 2(4).

Kim, S; Shin, J. S., Kim, H. J., Fisher, R.C., Lee, M. J., Kim, C. W., (2007), Streptozotocin-induced diabetes can be reversed hepatic oval cell activation through hepatic transdifferentiation and pancreatic islet regeneration. *Lab. Investigation* 87.

Kwon, O., Eck, P., Shenglin, C., (2007), Inhibition of the Intestinal Glucose Transporter GLUT 2 by Flavonoids. *The FASEB J*; 21.

- Larasaty, W., (2013), *Uji Antifertilitas Ekstrak Etil Asetat Biji Jarak Pagar (*Jatropha curcas L.*) Pada Tikus Putih Jantan *Rattus norvegicus* Galur *Sprague Dawley* Secara *In Vivo.**, Skripsi, Program Studi Farmasi Fakultas Kedokteran dan Ilmu Kesehatan, Universitas Islam Negeri Syarif Hidayatullah, Jakarta.
- Lawrence, J.C., (1994), Insulin and Oral Hypoglycemic Agents, In Brody, T.M., Lerner, J., Minneman, K.P., and Neu, H.C. (Ed.), *Human Pharmacology*, 2nd Ed., 523-539, Mosby, London.
- Lenzen, S., (2008), Review: The mechanisms of alloxan- and streptozotocin-induced diabetes, *Diabetologia* 51.
- Levine, M., 1 February 2003. "Vitamin C as an antioxidant: evaluation of its role in disease prevention". *J Am Coll Nutr* 22 (1): 18 – 35.
- Mahesh T and Menon V., (2004), *Quercetine Allievat es Oxidative Stress in Streptozotocin-Induced Diabetic Rats* . *Phytotherapy Research*. 18(2).
- Muchid, A., (2005), *Pharmaceutical Care Untuk Penyakit Diabetes Mellitus: 1-85*: Direktorat Bina Farmasi Komunitas Dan Klinik Direktorat Jenderal Bina Kefarmasian Dan Alat Kesehatan Departemen Kesehatan RI.
- Mu'nisa, A., Muflihunna, A., Arshal, A. F., (2011), *Gambaran Histologi Ginjal Pada Mencit Diabetes Yang Diberi Ekstrak Daun Sukun*, Makasar, Universitas Negeri Makasar.
- Muntiha, M., (2001), *Teknik Pembuatan Preparat Histopatologi Dari Jaringan Hewan dengan Pewarnaan Hematoksilin dan Eosin (H&E)*, Temu TeknisFungsionalNon Peneliti.
- Mwanauta, R. W., Mtei, K. A., Ndakidemi, P. A., (2014). *Prospective Bioactive Compounds from *Vernonia amygdalina*, *Lippia javanica*, *Dysphania ambrosioides* and *Tithonia diversifolia* in Controlling Legume InsectPests*, School of Life Sciences and Bioengineering, The Nelson Mandela African Institution of Science and Technology, Arusha, Tanzania: 1135.
- Naquvi, K. J., Ahamad, J., Showkat, R. M., Ali, M., Shuaib, M., (2011), Review On Role Of Natural Alpha-Glucosidase Inhibitors For Management Of Diabetes Mellitus, *International Journal of Biomedical Research*.
- Nathan, M. N., Buse, J. B., Mayer, B. D., Ferrannini, E., Holman, R. R, Sherwin, R *et al.*, (2008), Medical management of Hyperglycemia in Type 2 Diabetes A consebsus Algorithm for the Initiation and Adjustment of Therapy. A consensus statement of the American Diabetes Association and the European Association for the Study of Diabetes. *Diabetes Care*; 31:1-11.

- Ndraha, S., (2014). *Leading article Diabetes Melitus Tipe 2 Dan Tatalaksana Terkini*, Departemen Penyakit Dalam Fakultas Kedokteran, Universitas Krida Wacana, Jakarta, MEDICINUS: 27 (.2).
- Nugrahani, S. S., (2012), Ekstrak Akar, Batang dan Daun Herba Meniran dalam Menurunkan Kadar Glukosa Darah, *Jurnal Kesehatan Masyarakat*, ISSN 1858-1196.
- Nugroho, A. E., (2006), Hewan Percobaan Diabetes Mellitus : Patologi Dan Mekanisme Aksi Diabetogenik, Fakultas Farmasi Universitas Gadjah Mada.
- Nutrifood Reseach Center Grant (NRC), 2016. <http://www.nutrifood.co.id/nrc-grant/diakses> tanggal: 28 Januari 2016.
- Nzaramba, M.N. (2008). Relationships 17. Among Antioxidants, Phenolics, and Specific Gravity in Potato Cultivars, and Evaluation of Wild Potato Species for Antioxidants, Glycoalkaloids, and AntiCancer Activity on Human Prostate and Colon Cancer Cells *In Vitro*. *Disertasi*. Texas A&M University.
- Olivianny, W., Catharina, E. W., Pratama, G. B., (2009), *Pemanfaatan Efek Kombinasi Ekstrak Biji Buah Alpukat (Persea americana) Dengan Ekstrak Rumpun Laut (Eucheuma spinosum) Dalam Menurunkan Kadar Glukosa Darah Pada Diabetes Melitus*, Departemen Riset R' nB Production.
- Panjaitan, H., (2003), Beberapa Aspek Anemia Penyakit Kronik Pada Lanjut Usia, USU: sumatera Utara. *Jurnal Penelitian*.
- Patel, R., Naveen, M., Manjul, P. S., Gulzar, A., Anita, S., Sudarshan, S., (2010), *Plectranthus amboinicus* (Lour) Spreng: An Overview, *The Pharma Research (T. Ph. Res.)*, 4, ISSN 0975-8216.
- Pessin, J. E., Saltiel, A. R., (2010), Signaling Pathways in Insulin Action: Molecular Targets of Insulin Resistance. *The Journal of Clinical Investigation*: 106 (2).
- Pillai, P, G; Suresh, P., Mishra, G., Annapurna, M., (2011), Evaluation of the acute and sub acute toxicity of the methanolic leaf extract of *Plectranthus amboinicus* (Lour) Spreng in Balb C mice, *European Journal of Experimental Biolog* -Pelagia Research Library, 1 (3).
- Price, S. 2006. *Patofisiologi Diabetes mellitus*. Jakarta : ECG.
- Pujilestari, B. M., Pratiwi, R., (2009). *Pemanfaatan Tanaman Brotowali (Tinospora crispa) sebagai antidiabetik*. Fakultas Biologi Universitas, Gadjah Mada, Malang.

- Purwantari, S. N.D., Sutedi, E., Oyo., (2011), Pengaruh Interval Potong terhadap Produktivitas dan Kualitas Tanaman Bangun-Bangun (*Coleus amboinicus* L.) sebagai Komoditas Harapan Pakan Ternak.
- Ragavan., (2006), Effect Of *T. arjuna* Stem Bark Extract On Histopathology Of Liver, Kidney, and Pancreas Of Alloxan-Induced Diabetic Rats, *African Journal of Biomedical Research* Vol .9.
- Rahmawati, S., (2013), Efektifitas kstrak Kulit Batang, Akar, dan Daun Sirsak *Annona muricata* L) terhadap Kadar Glukosa Darah, Skripsi, Yogyakarta, Universitas Islam Negeri Sunan Kalijaga.
- Rees, D, A and Alcolado, J. C., 2005, Animal models of diabetes mellitus, *Diabetic Medicine*, **22**.
- Reksoatmodjo, I., (1993), *Biologi Sel*, Departemen Pendidikan dan Kebudayaan Direktorat Jenderal Pendidikan Tinggi Proyek pembinaan Tenaga kependidikan Pendidikan Tinggi.
- Restrepo BI. Convergence of the tuberculosis and diabetes epidemics: Renewal of old acquaintances. *Clin Infect Dis*. 2007; 45.
- Ridwan, A., (2012), Pengukuran Efek Antidiabetes Polifenol (*Polyphenon 60*) Berdasarkan Kadar Glukosa Darah dan Histologi Pankreas Mencit (*Mus musculus* L.) S.W. Jantan yang Dikondisikan Diabetes Mellitus, *Jurnal Matematika & Sains*: 17 (2).
- Robertson, R. P., Harmon, J., Tran, P.O., Tanaka, Y., Takahashi, H., (2003), . Glucose toxicity in beta-cells: type 2 diabetes, good radicals gone bad, and the glutathione connection. *Diabetes* 52.
- Rout, O. P., Acharya, R., Mishra, S. K., Sahoo, S., (2012), Pathorchur (*Coleus aromaticus*): A Review Of The Medicinal Evidence For Its Phytochemistry And Pharmacology Properties, *International Journal of Applied Biology and Pharmaceutical Technology*, Volume 3, Issue 4, ISSN: 0976-4550.
- Rowland, N.E. and Bellush, L.L., 1989, Diabetes Mellitus : Stress. Neurochemistry and Behavior, *Neuroscience and Biobehavioral Reviews*, 13 (4) : 199-206.
- Rumetor, S. D., Jachja, J., Widjajakusuma, R., Permana, I.G., Utama, I. K., (2008), Suplementasi Daun Bangun-Bangun (*Coleus amboinicus* Lour) dan Zinc Vitamin E untuk Memperbaiki Metabolisme dan Produksi Susu Kambing Peranakan Etawah, *JITV* :13 (3).

- Santosa, M C dan Triana H., (2005), Kandungan Senyawa Kimia Dan Efek Ekstrak Air Daun Bangun-Bangun (*Coleus mboenicus*, L.) Pada Aktivitas Fagositosis Netrofil Tikus Putih (*Rattus norvegicus*) , Yogyakarta, Majalah Farmasi Indonesia, 16 (3).
- Setiyanggono, N. E., Nuri, E.P., (2014). Uji Aktivitas Antimalaria Ekstrak Kering Daun *Tithonia diversifolia* Pada Mencit yang Diinfeksi Plasmodium berghei. *e-Jurnal Pustaka Kesehatan: 2 (1)*.
- Sheperd, P. R., Kahn, B. B., (1999), Glucose Transporter and Insulin Action, *The New England Journal of Medicine*.
- Sherlock, S., (1993)., *Disease Of Liver And Biliary System*. London : Blackwell Scientific Publication.
- Shulman, G. I., (2000), Cellular Mechanisms of Insulin Resistance. *The Journal of Clinical Investigatio: 106 (2)*.
- Sihombing, DTH, (1997), *Ilmu Ternak Babi*, Institut Pertanian Bogor, Bogor.
- Silitonga, M., (1993), *Efek Laktagogum Daun Jinten (Coleus amboenicus, L.) pada Tikus Laktasi, Tesis Megister Sains, Prog Studi Biologi, Institut Pertanian Bogor, Bogor*.
- Sinaga, S., Silalahi, M., Bambang, K., (2011), Pengaruh Penambahan Tepung Bangun-Bangun(*Coleus Amboenicus*. L.) Ke Dalam Ransum Babi Induk Menyusui Terhadap Konsumsi Bahan Kering, Protein Dan Kondisi Bobot Badan, Seminar Nasional Teknologi Peternakan dan Veteriner 2.
- Singh, R., Arif, T., Khan, I., Sharma, P.,. (2014), Phytochemicals In Antidiabetic Drug Discovery, *Journal of Biomedical & Therapeutic Sciences 1(1), 1 33*, Department of Biomedical Sciences, Bundelkhand University, Jhansi 284128 UP India, Department of Bioscience, Barkatullah University, Bhopal-462026 MP India.
- Situmorang, R., Silitonga, M., (2015), Pengaruh Ekstrak Etanol Daun Bangunbangun (*Plectranthus amboenicus* (Lour.) Spreng) Sebagai Preventif Dan Kuratif Terhadap Efek Toksik Rhodamin B Pada Histopatologi Ginjal Tikus Putih (*Rattus norvegicus*)., *Jurnal Biosains Vol. 1 No. 3 Desember 2015, ISSN. 2443-1230 (cetak) ISSN. 2460-6804 (online)*.
- Smith dan Mangkoewidjojo., (1988), *Pemeliharaan, Pembiakan dan Penggunaan Hewan Percobaan di Daerah Tropis Edisi 1*, UI Press.
- Soegondo, S., (1995). *Penatalaksanaan Diabetes Melitus Terpadu*. Jakarta : Balai Penerbit FKUI.

- Soewolo., (2000). *Pengantar Fisiologi Hewan*. Jakarta. Dikjen Dikti.
- Soni, H., Singhai, A. K., (2011), Recent Updates On The Genus *Coleus*: A Review, *Asian Journal of Pharmaceutical and Clinical Research*, Vol 5, Issue 1, ISSN - 0974-2441.
- Srinivasan, K., Ramarao, P., (2007). Animal models in type 2 diabetes research: An overv iew. *Indian J Med Res*.
- Studiawan., Herra., Santosa, M. H., (2005), *Test Pharmacological Effect of Ethanolic Extract of Eugenia polyantha Leaves as for Decreasing Glucose Level Activity on Mice Induced by Alloxan*, Fakultas Farmasi, Universitas Airlangga Surabaya, Surabaya, *Media Kedokteran Hewan*: 21(2).
- Suarsana, I. N., Priosoeryanto, B. P., Bintang, M., Wresdiyati, T., (2010), Profil Glukosa Darah dan Ultrastruktur Sel Beta Pankreas Tikus yang Diinduksi Senyawa Aloksan, *JITV*: 15 (2).
- Suharmiati., (2003), Pengujian Bioaktifitas Anti Diabetes Mellitus Tumbuhan Obat, *Cermin Dunia Kedokteran*.
- Suhartono, E., Fachir, H. dan Setiawan, B., (2007). *Kapita Sketsa Biokimia Stres Oksidatif Dasar dan Penyakit*. Universitas Lambung Mangkurat, Banjarmasin: Pustaka Benua.
- Suryani, Nany, Endang, Tinny, dan Aulanni`am. 2013. Pengaruh Ekstrak Biji Metanol terhadap Peningkatan Kadar Insulin, Penurunan Ekspresi TNF-a dan Perbaikan Jaringan Pankreas Tikus Diabetes. *Jurnal Kedokteran Brawijaya*, Vol. 27, No. 3
- Szkudelski, T., (2001), The Mechanism Of Alloxan And Streptozotocin Action In β Cells Of The Rat Pancreas, *Physiology Research*, 50: 536-546, ISSN: 0862-8408.
- Tolman, K. 2006. *Spectrum Of Liver Disease In Type 2 Diabetes And Management Of Patients With Diabetes And Liver Disease*. <http://care.diabetes.journals.org/cgi/30/3/734>. diakses tanggal 28 Januari 2016.
- Trina., Fitmawati., Sofiyanti, N., (2014). *Identifikasi Tumbuhan Antidiabetes Berdasarkan Analisis Kuantitatif Asam Tanat*, *JOM FMIPA*: 1(2), Mahasiswa Program S1 Biologi Bidang Botani Jurusan Biologi. Fakultas Matematika dan Ilmu Pengetahuan Alam, Kampus Bina Widya, Pekanbaru.

- Uduak, U., Musa, A., Anuka., (2013), Chronic Hepatotoxicity and Nephrotoxicity Study of Orally Administrated Aqueous and Ethanolic Extracts of Carica papaya Seeds in Adult Wistar Rats, *British Journal of Pharmacology and Toxicology*, 4 :4., ISSN: 2044-2459, e- ISSN : 2044-2467.
- Unger, R.H. and Foster, D.W., 1992, Diabetes Mellitus, In Wilson, J.D. and Foster, D.W., *Endocrinology*, 1255-1317, W.B. Saunders Company, A Division of Harcourt Brace and Company, London.
- Valera, D., Rivas, R., Avila, J. L., Aubert, L., Amelot, M. A., Usubillaga, A., (2003), The essential oil of *Coleus amboinicus* Loureiro chemical composition and evaluation of insectanti-feedant effects, *Scientific Journal from the Experimental Faculty of Sciences, at La Universidad del Zulia*: 11 (2).
- Valko, M., Leibfritz, D., Moncol, J., Cronin, M., Mazur, M., Telser, J., (2006). "Free radicals and antioxidants in normal physiological functions and human disease". *Int J Biochem Cell Biol* 39 (1).
- Viswanathaswamy, A. H. M., Koti, B. C., Gore, A., Thippeswamy, A. H. M., Kulkarni, R. V., (2011), antihyperglycemic and Antihyperlipidemic Activity of *Plectranthus amboinicus* on Normal and Alloxan-Induced Diabetic Rats, *Indian J Pharm Sci*, 73(2).
- Vukelic, S., Stojadinovic, O., Pastar, I., Vouthounis, C., Krzyzanowska, A., Sharmistha., Samuels, H. H., Canic, T. M., (2010), Farnesyl Pyrophosphate Inhibits Epithelialization and Wound Healing through the Glucocorticoid Receptor. *Journal of Biological Chemistry*. 285 (3):1980-1988.
- Ward, W. D, 1984. Pathophysiology of insulin secretion in non insulin dependent diabetes mellitus. *Diabetes Care* 7.
- Warsiki., Endang., Damayanthi, E., Damanik, R., Karakteristik Mutu Sop Daun Torb Angun (*Coleus amboinicus* Lour) Dalam Kemasan Kaleng Dan Perhitungan Total Migrasi Bahan Kemasan, *J. Tek. Ind. Pert. Vol. 18(3)*.
- Watkins, D., Cooperstein, S. J., Lazarow, A., (2008)., Effect Of Alloxan On Permeability Of Pancreatic Islet Tissue In Vitro.
- World Health Organization. Non communicable di sease report, (2011) *J Respir Indo:33 (2)*.
- Wulandari, D. R., Sugiri, Y. J., (2013), Diabetes Melitus dan Permasalahannya pada Infeksi Tuberkulosis, *J Respir Indo: 33 (2)*, Fakultas Kedokteran Universitas Brawijaya, Malang.

Wulandari, O., (2013), Perbedaan Kejadian Komplikasi Penderita Diabetes Mellitus Tipe 2 Menurut Gula Darah acak, *Jurnal Berkala epidemiology*, 1 (2).

Zakaria, F.R., B. Irawan, S.M., Pramudya, dan Sanjaya. 2000 “Intervensi Sayur dan Buah Pembawa Vitamin C dan E Meningkatkan Sistem Imun Populasi Buruh Pabrik di Bogor.” Dalm : *Buletin Teknologi dan Industri Pangan*. 11(2)

Zubaidah, E., (2014), Pengaruh Cuka Salak Terhadap Penurunan Kadar Glukosa Darah dan Histopatologi Pankreas Tikus Wistar Diabetes, *Jurnal Pangan dan Agroindustri*: 3 (2).



THE
Character Building
UNIVERSITY