DAFTAR PUSTAKA

Abatan, O. I., Welch, K. B., & Nemzek, J. A. (2008). Evaluation of Saphenous Venipuncture and Modified Tail-clip Blood Collection in Mice. *Journal of the American Association for Laboratory Animal Science*, *47*(3), 8–15.

Afrianti, N. (2022). Penerapan Senam Kaki dalam Menurunkan Kadar Gula Darah pada Pasien Diabetes Mellitus Tipe II. *Jurnal Gawat Darurat*, *4*(1), 27–34.

Afriyeni, H., Rizal, R., Armenia, A., Esfika, M., & Dillasamola, D. (2023). Uji Efektifitas Ekstrak Etanol Daun Arbei (Rubus rosifolius Sm.) Terhadap Penurunan Kadar Glukosa Darah pada Mencit Diabetes. *Jurnal Sains Farmasi & Klinis*, *10*(2), 248.

Ariyanti, R., Wahyuningtyas, N., Arifah, D., & Wahyuni, S. (2007). Pengaruh Pemberian Infusa Daun Salam (Eugenia polyantha Wight) Terhadap Penurunan Kadar Asam Urat Darah Mencit Putih Jantan yang Diinduksi dengan Potasium Oksonat Salam. *56 Pharmacon*, *8*(2), 56–63.

Ayyanar, K., & Pichandi, S. (2018). Evaluation of Glucose Oxidase and Hexokinase Methods. *International Journal of Biotechnology and Biochemistry*, *14*(1), 51–58.

Beeton, C., Garcia, A., & Chandy, K. G. (2007). Drawing Blood from Rats Through the Saphenous Vein and by Cardiac Puncture. *Journal of Visualized Experiments*, *7*(2), 7–8.

Biondo, E., Correa, ana paula folmer, Brandelli, A., & Anna, voltaire sant. (2021). Wild Strawberries (*Rubus rosifolius* Sm.) From Southern Brazil: Centesimal and Mineral Composition, Total Polyphenols, Antioxidant, Antibacterial and Anti- Hypersensitive Activities. *Ciência Agrícola*. *19*(1), 71–78.

BPOM. 2021. *Peraturan Badan Pengawas Obat dan Makanan Nomor 18 Tahun 2021 tentang Pedoman Uji Farmakodinamik Praklinik Obat Tradisional*. Jakarta: Badan Pengawas Obat dan Makanan Republik Indonesia.

Brunner & Suddarth. (2013). *Buku Ajar Keperawatan Medikal Bedah Volume 2* 8th Ed. Jakarta: EGC.

Campbell, T. F., McKenzie, J., Murray, J. A., Delgoda, R., & Bowen-Forbes, C. S. (2017). *Rubus rosifolius* Varieties as Antioxidant and Potential Chemopreventive Agents. *Journal of Functional Foods*, *37*(1), 49–57.

Care, D., & Suppl, S. S. (2022). 5. Facilitating Behavior Change and Well-being to Improve Health Outcomes: Standards of Medical Care in Diabetes—2022. *Diabetes Care*, *45*(2), S60–S82.

Chan, E. W. C., Ng, Y. K., Lim, C. S. S., Anggraeni, V. S., Siew, Z. Z., Wong, C. W., & Wong, S. K. (2023). Pomolic acid: A short review on its chemistry, plant sources, pharmacological properties, and patents. *Journal of Applied Pharmaceutical Science*, *13*(5), 58–65.

Christensen, S. D., Mikkelsen, L. F., Fels, J. J., Bodvarsdóttir, T. B., & Hansen, A. K. (2009). Quality of Plasma Sampled by Different Methods for Multiple Blood Sampling in Mice. *Laboratory Animals*, *43*(1), 65–71.

Colberg, S. R., Sigal, R. J., Yardley, J. E., Riddell, M. C., Dunstan, D. W., Dempsey, P. C., Horton, E. S., Castorino, K., & Tate, D. F. (2016). Physical Activity/exercise and Diabetes: A position statement of the American Diabetes Association. *Diabetes Care*, *39*(11), 2065–2079.

Colvin, D. M. (2018). A Review on Comparison of the Extraction Methods Used in Licorice Root: Their Principle, Strength and Limitation. *Medicinal & Aromatic Plants*, *07*(06), 81.

Coskun, O. (2016). Separation Tecniques: Chromatography. *Northern Clinics of Istanbul*, *3*(2), 156–160.

Da Rocha Pittarello, J. L., Petreanu, M., Filho, V. C., Rodrigues, C. A., Klein-, L. C., & Niero, R. (2019). Extraction Optimization of 5,7-Dihydroxy-6,8,4'-trimethoxyflavonol, a Bioactive Flavonoid from Rubus rosifolius (rosaceae) Leaves. *Natural Product Communications*, *14*(1), 47–50.

Deacon, C. F. (2019). Physiology and Pharmacology of DPP-4 in Glucose Homeostasis and the Treatment of Type 2 Diabetes. *Frontiers in Endocrinology*, *10*(3), 80.

Decroli, E. (2019). *Diabetes Melitus Tipe 2*. Padang:Pusat Penerbitan Bagian Ilmu Penyakit Dalam Fakultas Kedokteran Universitas Andalas.

Departemen Kesehatan RI. (1995). *Farmakope Indonesia*. Edisi IV. Kementerian Kesehatan Republik Indonesia.

Departemen Kesehatan RI. (2017). *Farmakope Herbal Indonesia*. Edisi 2. Kementerian Kesehatan Republik Indonesia.

Depkes RI. (2004). *Pedoman Praktek Laboratorium yang Benar (Good Laboratory Practice)*. Direktorat Jenderal Pelayanan Medik Departemen Kesehatan RI.

Desmiaty, Y., Elya, B., Saputri, F. C., Hanafi, M., & Prastiwi, R. (2018). Antioxidant Activity of Rubus fraxinifolius Poir. and Rubus rosifolius J. Sm. Leaves. *Journal of Young Pharmacists*, *10*(2), s93–s96.

Desmiaty, Y., Mulatsari, E., Saputri, fadlina chany, Hanafi, M., Prastiwi, R., & Elya, B. (2020). Inhibition of Pancreatic Elastase In Silico and In Vitro by Rubus rosifolius Leaves Extract and Its Constituents. *Journal of Pharmacy And Bioallied Sciences*, *12*(13), 317-323.

De Witte, W. E. A., Danhof, M., van der Graaf, P. H., & de Lange, E. C. M. (2018). The implications of target saturation for the use of drug-target residence time. *Nature Reviews Drug Discovery*, *18*(1), 82–84.

Dhanya, R. (2022). Quercetin for Managing Type 2 Diabetes and its Complications, an Insight into Multitarget Therapy. *Biomedicine and Pharmacotherapy*, *146*(2), 112560.

DiaSys Diagnostic Systems. (2015). Glucose GOD FS. *Glucose GOD FS*, *5*, 1–2.

Dortea Lewen. (2022). Efektivitas Pijat Refleksi Pada Pasien Diabetes Mellitus Tipe 2 Dengan Masalah Keperawatan Ketidakstabilan Kadar Gula Darah Di Rt 10 Kelurahan Rawa Buaya Jakarta Barat. *Jurnal Nurse*, *5*(1), 6–13.

Durovic, S., Dominguez, R., Pateiro, M., Teslic, N., Lorenzo, J. M., & Pavlic, B. (2022). *Industrial hemp nutraceutical processing and technology*. New York: Academic Press.

Efriani, L. (2022). Hubungan Karakteristik dengan Kepatuhan Minum Obat Antidiabetes Pasien Diabetes Melitus di Pelayanan Kesehatan Kota Cirebon. *Borneo Journal of Pharmascientech*, *6*(2), 75–79.

Endarini, L. hanni. (2016). *Farmakognosi Dan Fitokimia*. Jakarta:Kemenkes Kesehatan RI.

Fajriaty, I., I H, H., Andres, & Setyaningrum, R. (2018). Skrining Fitokimia Lapis Titpis Dari Ekstrak Etanol Daun Bintangur (*Calophyllum soulattri* Burm.). *Jurnal Pendidikan Informatika Dan Sains*, *7*(1), 54–67.

Fakhruzy, Kasim, A., Asben, A., & Anwar, A. (2020). Review: Optimalisasi Metode Maserasi Untuk Ekstraksi Tanin Rendemen Tinggi. *Menara Ilmu*, *XIV*(2), 38–41.

Falinry, W., Defny, W., & Meilani, J. (2021). Antibacterial Activity Test Of Extracts And Fractions Of Ascidian (*Lissoclinum badium*) From Mantehage Island Waters Uji Aktivitas Antibakteri Ekstrak Dan Fraksi Ascidian (*Lissoclinum badium*) Dari Perairan Pulau Mantehage. *Pharmacon– Program Studi Farmasi, Fmipa, Universitas Sam Ratulangi*, *10*(2), 897–904.

Faputri, A. F. (2016). Kondisi Operasi Optimal Pada Desain Peralatan. *Jurnal Teknik Patra Akademika*, *7*(2), 17–23.

Ferdinand, A., & Sri, R. F. (2021). Isolasi dan Identifikasi Senyawa Flavonoid Ekstrak Etanol Pandan Hutan Jenis Baru Freycinetika sessiliflora Rizki. *Jurnal Insan Farmasi Indonesia, 4(1),* 1-6.

Francisco, C. C., Howarth, G. S., & Whittaker, A. L. (2015). Effects on Animal Wellbeing and Sample Quality of 2 Techniques for Collecting Blood from the Facial Vein of Mice. *Journal of the American Association for Laboratory Animal Science*. *54*(1), 80–84.

Gemini, S., & Novitri, W. (2022). Penerapan Relaksasi Autogenik Mengatasi Masalah Keperawatan Ketidakstabilan Kadar Glukosa Darah Pada Lansia Penderita Diabetes Mellitus Tipe 2: Studi Kasus. *Ahmar Metastasis Health Journal*, *2*(3), 113–117.

Global Invasive Species Database. (2021). *Species Profile Mus musculus*.

Green Indonesia. (2023). *Rubus rosifolius Sm*.

Gupta, H., Dwivedi, S., Dubey, A., & Jaiswal, P. (2016). Ethnomedicinal and Traditional uses of *Elaeocarpus ganitrus* (Rudraksha). *Journal of Harmonized Research (JOHR)*, *2*(1), 67–77.

Gupta, R., Sharma, A. K., Dobhal, M. P., Sharma, M. C., & Gupta, R. S. (2011). Antidiabetic and antioxidant potential of β-sitosterol in streptozotocin-induced experimental hyperglycemia. *Journal of Diabetes*, *3*(1), 29–37.

Hammer, M., Storey, S., Hershey, D. S., Brady, V. J., Davis, E., Mandolfo, N., Bryant, A. L., & Olausson, J. (2019). Hyperglycemia and Cancer: A State-of-The-Science Review. *Oncology Nursing Forum*, *46*(4), 459–472.

Handa, S. S., Khanuja, S. P. S., Longo, G., & Rakesh, D. D. (2008). *Extraction Technologies for Medicinal and Aromatic Plants*. Italy: International Centre for Science and High Technology.

Harborne, J. (1987). *Metode fitokimia: Penuntun Cara Modern Menganalisis Tumbuhan*. Bandung: ITB.

Harborne, J.B. (2006). *Metode Fitokimia: Penuntun Cara Menganalisis Tumbuhan* 2nd Ed. Bandung:ITB.

Hardia, L., Sarifuddin, N., Lanipi, R. P., Farmasi, P. S., Pendidikan, U., & Sorong, M. (2020). (Ceiba Pentandra Gaerth) Terhadap Kadar Glukosa. *Program Studi Farmasi, Fakultas Sains dan Teknologi, Universitas Pendidikan Muhammadiyah Sorong*, *01*(2), 7–16.

Harrison, R. G., Todd, P. W., Rudge, S. R., & Petrides, D. P. (2015). Extraction. In R. G. Harrison, P. W. Todd, S. R. Rudge, & D. P. Petrides (Eds.), *Bioseparations Science and Engineering* (p. 0). England: Oxford University Press.

Hashimoto, Y. (1969). Effect of Alloxan Diabetes Induced in Spontaneously. *Japanese Circulation Journal*, *33*(3), 3–5.

Hikmawanti, Hanani, E., & Mardiyanti, D, R. (2024). Analysis of Flavonoids on Fraction from Hydrolysate of Cordia Sehestena L. Leaves Extract. *Indonesion Journal of Pharmaceutical Science and Technology Journal Homepage*, *1*(1), 35–44.

Ibrahim, H. A.H. (2018). *Introductory Chapter: Fractionation*. Syiria:Al-Baath University.

Ighodaro, O. M., Adeosun, A. M., & Akinloye, O. A. (2017). Alloxan-induced Diabetes, a Common Model for Evaluating the Glycemic-control Potential of Therapeutic Compounds and Plants Extracts in Experimental Studies. *Medicina (Lithuania)*, *53*(6), 365–374.

Infodatin. (2018). *Hari Diabetes Sedunia 2018*.

Infodatin. (2020). *Diabetes Melitus.* Kemenkes RI.

International Diabetes Federation. (2021). *IDF Diabetes Atlas 10th edition*.

Iyos, R. N., & Astuti, P. D. (2017). Pengaruh Ekstrak Daun Sirsak (Annona muricata L.) terhadap Penurunan Kadar Glukosa Darah. *Majority*, *6*(2), 144–148.

Jawa La, E. O., Sawiji, R. T., & Yuliawati, A. N. (2020). Skrining Fitokimia Dan Analisis Kromatografi Lapis Tipis Ekstrak Etanol Kulit Buah Naga Merah (*Hylocereus polyrhizus*). *Indonesian Journal of Pharmacy and Natural Product*, *3*(1), 45–58.

Karau, G. M., Njagi, E. N. M., Machocho, A. K., Wangai, L. N., & Kamau, P. N. (2012). Hypoglycemic Activity of Aqueous and Ethylacetate Leaf and Stem Bark Extracts of Pappea capensis in Alloxan-Induced Diabetic BALB/c Mice. *British Journal of Pharmacology and Toxicology*, *3*(5), 251–258.

Kasiyati, & Tana, S. (2020). *Penanganan Hewan Coba*. Departemen Biologi, Fakultas Sains dan Matematika Universitas Diponegoro.

Katuuk, R. H. H., Wanget, S. A., & Tumewu, P. (2018). Pengaruh perbedaan ketinggian tempat terhadap kandungan metabolit sekunder pada gulma babadotan (*Ageratum conyzoides* L.). *Jurnal Cocos*, *1*(4), 6.

Kementrian Kesehatan RI. (2020). *Pedoman Nasional Pelayanan Kedokteran Tata Laksana Diabetes Melitus Tipe 2 Dewasa*.

Khaerati, K., Amini, D., & Ihwan. (2020). Aktivitas Antidiabetes Ekstrak Air-Etanol, n-Heksan, dan Etil Asetat Uwi Banggai (*Dioscorea alata* L.) Dengan Metode Induksi Aloksan Pada Mencit Jantan (*Mus musculus*). *Jurnal Farmasi Galenika (Galenika Journal of Pharmacy) (e-Journal)*, *6*(2), 243–252.

Khairani, D., Ilyas, S., & Midoen, Y. (2024). *Prinsip dan Praktik Hewan Percobaan Mencit (Mus musculus) 01302024*. Medan:USU Press.

Kissinger, Huldani, H., & Nasrulloh, A. V. (2024). Improving Simplicia of Kerangas Forest by Minimizing Microbial Content Under Ultraviolet Radiation Treatment. *Proceedings of the National Academy of Sciences India Section B - Biological Sciences*, *94*(1), 101–106.

Kiswandono, A. A. (2011). Skrining Senyawa Kimia dan Pengaruh Metode Maserasi dan Refluks Pada Biji Kelor (*Moringa oleifera*, Lamk) Terhadap Rendemen Ekstrak yang Dihasilkan. *Jurnal Sains Natural*, *1*(2), 126–134.

Kusumawardany, S. F., Utami, N., & Saryanti, D. (2023). Fotoproteksi Dan Aktivitas Antioksidan Nanoenkapsulasi Ekstak Etanol Buah Kersen (*Muntingia calabura* L.). *Majalah Farmasi Dan Farmakologi*, *27*(3), 133–139.

Larson, M. G. (2008). Analysis of variance. *Circulation*, *117*(1), 115–121.

Lee, M. S., & Thuong, P. T. (2010). Simulation of Glukose Uptake by Triterpenoids From Weigela Subsessilis. *Phytotherapy Research*, *24*(1), 49–53.

Lenard, N. R., & Berthoud, H.-R. (2008). Central and Peripheral Regulation of Food Intake and Physical Activity : Pathways and Genes. *Obesity (Silver Spring)*. *16*(3), 5–8.

Lenzen, S. (2008). The mechanisms of alloxan- and streptozotocin-induced diabetes. *Diabetologia*, *51*(2), 216–226.

Lestari, Zulkarnain, Sijid, & Aisyah, S. (2021). Diabetes Melitus: Review Etiologi, Patofisiologi, Gejala, Penyebab, Cara Pemeriksaan, Cara Pengobatan dan Cara Pencegahan. *UIN Alauddin Makassar*, *1*(2), 237–241.

Lin, D., Xiao, M., Zhao, J., Li, Z., Xing, B., Li, X., Kong, M., Li, L., Zhang, Q., Liu, Y., Chen, H., Qin, W., Wu, H., & Chen, S. (2016). An overview of plant phenolic compounds and their importance in human nutrition and management of type 2 diabetes. *Molecules*, *21*(10), 3–8.

Lubis, R. F., & Kanzanabilla, R. (2021). Latihan Senam Dapat Menurunkan Kadar Glukosa Darah pada Penderita Diabetes Melitus Tipe II. *Jurnal Biostatistik, Kependudukan, Dan Informatika Kesehatan*, *1*(3), 177.

Lyu, H., Chen, J., & Li, W. L. (2016). Natural Triterpenoids for The Treatment of Diabetes Mellitus: A Review. *Natural Product Communications*, *11*(10), 1579–1586.

Maiorino, M. I., Bellastella, G., Giugliano, D., & Esposito, K. (2017). Can Diet Prevent Diabetes? *Journal of Diabetes and Its Complications*, *31*(1), 288–290.

Martin, M. Á., Goya, L., & Ramos, S. (2016). Antidiabetic actions of cocoa flavanols. *Molecular Nutrition & Food Research*, *60*(8), 1756–1769.

Martuti, B. S. L., Ludiana, & Pakarti, A. T. (2021). Penerapan Relaksasi Otot Progresif Terhadap Kadar Gula Darah Pasien Diabetes Melitus Tipe II Di Wilayah Kerja Puskesmas Metro Implementation of Progressive Muscle Relaxation of Blood Sugar Levels of Patients Type Ii Diabetes Mellitus in the Metro Health W. *Jurnal Cendikia Muda*, *1*(4), 493–501.

Mathews, A., Arbal, A. V., Kaarunya, A., Jha, P. K., Le-Bail, A., & Rawson, A. (2024). *Extraction Processes in the Food Industry*. Delhi :Woodhead Publishing.

Mpila, D. A., Wiyono, W. I., & Lolo, W. A. (2023). Hubungan Tingkat Kepatuhan Minum Obat dengan Kadar Gula Darah dan Kualitas Hidup Pasien Diabetes Melitus Tipe 2 di Klinik Imanuel Manado. *Medical Scope Journal*, *6*(1), 116–123.

Mustarichie, R., & Ramdhani, D. (2022). Phytochemical Screening of Ethanol Extract and Fractions of Dendrophthoe Atropurpurea Bl. *World Journal of Pharmaceutical Research*, *11*(3), 801–809.

Mutiarahmi, C. N., Hartady, T., & Lesmana, R. (2021). Use of Mice As Experimental Animals in Laboratories That Refer To the Principles of Animal Welfare: a Literature Review. *Indonesia Medicus Veterinus*, *10*(1), 134–145.

Nasifah, I. (2016). Pengaruh Pemberian Sari Buah Sukun (*Artocarpus altilis*) Terhadap Aktivitas Diutretik Tikus Putih Betina (*Rattus norvegicus*) Sebagai Media Edukasi Masyarakat. *Pedago Biologi*, *8*(3), 1–23.

Nugrahani, P., Prasetyawati, E. T., Kartosentono, S., & Purnobasuki, H. (2012). Ornamental shrubs as plant palettes elements and bioindicators based on air pollution tolerance index in Surabaya city, Indonesia. *Asian Journal of Experimental Biological Science*, *3*(1), 298–302.

Nugroho, A. (2017). *Buku Ajar: Teknologi Bahan Alam*. Banjarmasin:Lambung Mangkurat University Press.

Nugroho, R. A. (2018). *Mengenal Mencit sebagai Hewan Laboratorium*. Samarinda:Mulawarman University Press.

Oktiansyah, R. (2015). Aktivitas Harian Mencit Jantan (*Mus musculus)* di Laboratorium. *Reseach Gate*, *1*(2), 3–5.

Ozougwu, O. (2013). The pathogenesis and pathophysiology of type 1 and type 2 diabetes mellitus. *Journal of Physiology and Pathophysiology*, *4*(4), 46–57.

Peeters, W. M., Gram, M., Dias, G. J., Vissers, M. C. M., Hampton, M. B., Dickerhof, N., Bekhit, A. E., Black, M. J., Oxbøll, J., Bayer, S., Dickens, M., Vitzel, K., Rowlands, D. S. (2023). Changes to Insulin Sensitivity in Glucose Clearance Systems and Redox Following Dietary Supplementation with a Novel Cysteine-rich Protein: A Pilot Randomized Controlled Trial in Humans with Type-2 Diabetes. *Redox Biology*, *67*(2), 122.

Peratiwi, S., Nabila, T., Bunga, M., Intan, T., Raden, B., & Melisa, I . (2023). Phytochemical Screening and TLC Profiles of Extract and Fractions og Manggu Leuweung (*Garcinia celebica* L.). *Indonesian Journal of Biological Pharmacy*, *3*(1), 10–18.

Perkeni. (2021). *Pedoman Pengelolaan dan Pencegahan Diabetes Melitus Tipe 2 Dewasa di Indonesia 2021*. Jakarta: Universitas Indonesia.

Plantamor. (2024). *Rubus rosifolius Sm.*

Pranarka, K., Setiawati, A., Halim, S., Saraswati, D., & Alkaf, Z. (2009). Glimepiride monotherapy in achieving good blood glucose control in type-2 diabetes mellitus: A prospective observational study. *Medical Journal of Indonesia*, *18*(3), 172–180.

Putra, I. D., Hendra, D., & Pratiwi, A. (2022). Hydroterapi Minum Air Putih untuk Menurunkan Kadar Gula Darah Sewaktu (GDS). *Holistik Jurnal Kesehatan*, *16*(5), 464–470.

Putri, W. ., Warditiani, N. ., & Larasanty, L. P. F. (2013). *Skrining Fitokimia Ekstrak Etil Asetat Kulit Buah Manggis (Garnicia mangostana* L.*)*, *2*(4), 12.

Quadros, A. P. O. De, Almeida, L. M., Petreanu, M., Niero, R., Rosa, P. C. P., Sawaya, A. C. H. F., Mantovani, M. S., Gaivão, I. O. D. M., & Maistro, E. L. (2020). Risk Assessment via Genotoxicity, Metabolism, Apoptosis, and Cell Growth Effects in a HepG2/C3A Cell Line upon Treatment with *Rubus rosifolius* (Rosaceae) Leaves Extrac. *Journal of Toxicology and Environmental Health - Part A: Current Issues*, *83*(13–14), 495–508.

Rahayu, Y. Y. S., Araki, T., & Rosleine, D. (2020). Factors Affecting the use of Herbal Medicines in the Universal Health Coverage System in Indonesia. *Journal of Ethnopharmacology*, *260*(3), 112974.

Raihan, M., Taqwa, N., Hanifah, A. R., Lallo, S., Ismail, I., & Amir, M. N. (2020). Skrining Fitokimia Ekstrak Kulit Buah Nangka (*Artocarpus heterophyllus*) dan Aktifitas Antioksidannya Terhadap [2,2'-azinobis-(3-ethylbenzothiazoline-6-sulfonate)] (ABTS). *Majalah Farmasi Dan Farmakologi*, *23*(3), 101–105.

Rambaran, T. F., Nembhard, N., Bowen-Forbes, C. S., & Alexander-Lindo, R. L. (2020). Hypoglycemic Effect of the Fruit Extracts of Two Varieties of *Rubus rosifolius*. *Journal of Food Biochemistry*, *44*(9), 1–11.

Rave, K., Nosek, L., Posner, J., Heise, T., Roggen, K., & van Hoogdalem, E. J. (2006). Renal glucose excretion as a function of blood glucose concentration in subjects with type 2 diabetes - Results of a hyperglycaemic glucose clamp study. *Nephrology Dialysis Transplantation*, *21*(8), 2166–2171.

Rochmah, C. D. (2018). *Aktivitas Gel Fraksi n-Butanol Umbi Tawas UT (Ampelocissus rubiginosa* Lauterb.*) Terhadap Infiltrasi Sel Radang, Pembentukan Kelenjar Sebasea, dan Kolagen Pada Luka Bakar Tikus*. Universitas Lambung Mangkurat: Fakultas Matematika dan Ilmu Pengetahuan Alam.

Rowe, R., Sheskey, P., & Quinn, M. (2009). *Handbook of Excipient*. Pharmaceutical Press And American Asosiasi: Washington D.C.

Sa, M., Park, M. G., & Lee, C. J. (2022). Role of Hypothalamic Reactive Astrocytes in Diet-Induced Obesity. *Molecules and Cells*, *45*(2), 65–75.

Saidi, I., Manachou, M., Znati, M., Bouajila, J., & Ben Jannet, H. (2022). Synthesis of new halogenated flavonoid-based isoxazoles: in vitro and in silico evaluation of a-amylase inhibitory potential, a SAR analysis and DFT studies. *Journal of Molecular Structure*, *1247*(5), 131379.

Sanchez-Rangel, E., & Inzucchi, S. E. (2017). Metformin: Clinical use in Type 2 Diabetes. *Diabetologia*, *60*(9), 1586–1593.

Sandoval, J. R., & Rodríguez, P. A. (2014). *Rubus rosifolius (roseleaf raspberry)*. CABI Compendium.

Sangadji, N. W., & Ayu, I. M. (2020). *Modul Epidemiologi Penyakit Tidak Menular (KMS351) Modul Pertemuan ke-9 Epidemiologi Penyakit Diabetes Mellitus (DM)*. Jakarta:Universitas Esa Unggul.

Saputra, N. T., Suartha, I. N., & Dharmayudha, A. A. G. O. (2018). Agen Diabetagonik Streptozotocin untuk Membuat Tikus Putih Jantan Diabetes Mellitus. *Buletin Veteriner Udayana*, *10*(2), 116.

Saputri, R. I. (2023). Perbandingan Kadar Glukosa Darah Puasa (Metode GOD-PAP dengan Metode Strip) pada Penderita Diabetes Melitus di Puskesmas Sokaraja 1. *Jurnal Analis Kesehatan Kendari*, *5*(2), 47–51.

Scofindo convercation. (2020). *Rubus rosifolius* Sm.

Sharma, S. P., Anjankar, A. P., & Kale, A. (2017). Comparison of Glucose Levels using Glucometer and GOD-POD Method in Diabetic Patients. *International Journal of Clinical Biochemistry and Research*, *4*(1), 6–10.

Simon, K., & Wittmann, I. (2019). Can Blood Glucose Value Really be Referred to as a Metabolic Parameter? *Reviews in Endocrine and Metabolic Disorders*, *20*(2), 151–160.

Szabadfi, K., Pinter, E., Reglodi, D., & Gabriel, R. (2014). Chapter One - Neuropeptides, Trophic Factors, and Other Substances Providing Morphofunctional and Metabolic Protection in Experimental Models of Diabetic Retinopathy. *International review of cell and molecular biology*, *311*(3), 1–121.

Szkudelski, T. (2001). The Mechanism of Alloxan and Streptozotocin Action in B cells of the Rat Pancreas. *Physiological Research*, *50*(6), 537–546.

Tajner-Czopek, A., Gertchen, M., Rytel, E., Kita, A., Kucharska, A. Z., & Sokół-Łętowska, A. (2020). Study of Antioxidant Activity of Some Medicinal Plants Having High Content of Caffeic Acid Derivatives. *Antioxidants*, *9*(5), 1–23.

Teilmann, A. C., Madsen, A. N., Holst, B., Hau, J., Rozell, B., & Abelson, K. S. P. (2014). Physiological and Pathological Impact of Blood Sampling by Retro-bulbar Sinus Puncture and Facial Vein Phlebotomy in Laboratory Mice. *PLoS ONE*, *9*(11), 1–19.

Thomas, D. E., & Elliott, E. J. (2010). The Use of Low-glycaemic Index Diets in Diabetes Control. *British Journal of Nutrition*, *104*(6), 797–802.

Tolistiawaty, I., Widjaja, J., & Pamela, P. (2014). Gambaran kesehatan pada mencit (*Mus musculus*) di Instalasi Hewan Coba. *Jurnal Vektor Penyakit*, *8*(1), 27–32.

Tonyushkina, K., & Nichols, J. H. (2009). Glucose meters: A review of technical challenges to obtaining accurate results. *Journal of Diabetes Science and Technology*, *3*(4), 971–980.

Tropical Plants Database. (2024). *Rubus rosifolius*.

Upa, F. T., Saroyo, S., & Katili, D. Y. (2017). Komposisi Pakan Tikus Ekor Putih (*Maxomys hellwandii*) Di Kandang. *Jurnal Ilmiah Sains*, *17*(1), 7.

Vakil, V., & Trappe, W. (2019). Drug combinations: Mathematical modeling and networking methods. *Pharmaceutics*, *11*(5), 1–31.

Venn, R. F. (2008). *Principles and Practies of Bioanalysis* 2nd Ed. Prancis:Taylor and Francis Group Ltd.

Veras-Estévez, B. A., & Chapman, H. J. (2018). Strengthening National Health Priorities for Diabetes Prevention and Management. *MEDICC Review*, *20*(4), 5.

Vinayagam, R., & Xu, B. (2015). Antidiabetic properties of dietary flavonoids: A cellular mechanism review. *Nutrition and Metabolism*, *12*(1), 1–20.

Voight, R. (1994). *Buku Pelajaran Teknologi Farmasi*. Yogyakarta:Gadjah Mada University Press.

YAYASAN PENDIDIKAN DHARMA ANDALAS
UNTUK KECERDASAN BANGSA
UNIVERSITAS DHARMA ANDALAS

Wilson, G. L., Hartig, P. C., Patton, N. J., & LeDoux, S. P. (1988). Mechanisms of Nitrosourea-induced β-cell damage. Activation of Poly(ADP-ribose) Synthetase and Cellular Distribution. *Diabetes*, *37*(2), 213–216.

World Health Organization. (2021). *Diabetes*.

World Health Organization. (2023). *Global Prevalence of Diabetes*.

Yang, W., Dall, T. M., Beronjia, K., Lin, J., Semilla, A. P., Chakrabarti, R., Hogan, P. F., & Petersen, M. P. (2018). Economic Costs of Diabetes in the U.S. in 2017. *Diabetes Care*, *41*(5), 917–928.

Yari, Z. (2020). New Insight into Diabetes Management: From Glycemic Index to Dietary Insulin Index. *Current Diabetes*. *16*(4), 293–300.

Yaturu, S., & Jain, S. K. (2011). Obesity and Type 2 Diabetes. *Journal of Diabetes Mellitus*, *1*(4), 3–6.

Yuda, I. K. A., Anthara, M. S., & Dharmayudha, A. A. G. O. (2013). Identifikasi Golongan Senyawa Kimia Estrak Etanol Buah Pare (*Momordica charantia*) dan Pengaruhnya Terhadap Penurunan Kadar Glukosa Darah Tikus Putih Jantan (*Rattus novergicus*) yang Diinduksi Aloksan. *Jurnal Buletin Veteriner Udayana*, *5*(2), 87–95.

Yusuf, B., Nafisah, S., & Inayah, N. N. (2023). Literatur Review : Gula Darah Puasa Pada Penyakit Diabetes Melitus. *Jurnal Farmasi Medica/Pharmacy Medical Journal (PMJ)*, *6*(1), 28–33.

Zang, Y., Igarashi, K., & Li, Y. L. (2016). Anti-diabetic effects of luteolin and luteolin-7-O-glucoside on KK-Ay mice. *Bioscience, Biotechnology and Biochemistry*, *80*(8), 1580–1586.

YAYASAN PENDIDIKAN DHARMA ANDALAS
UNIDHA
UNIVERSITAS DHARMA ANDALAS