DAFTAR PUSTAKA

Abubakar, A., Haque, M. 2020. Preparation of Medicinal Plants: Basic Extraction and Fractionation Procedures for Experimental Purposes. *Journal of Pharmacy and Bioallied Sciences*. 12 (1): 1-10.

Amare, YE., Dires, K., Asfaw, T. 2022. Antidiabetic Activity of Mung Bean or Vigna radiata (L.) Wilczek Seeds in Alloxan-Induced Diabetic Mice. *Evid Based Complement Alternat Medicine*. 26 (10): 1155-1167.

American Diabetes Association. 2021. Classification and Diagnosis of Diabetes: Standards of Medical Care in Diabetes 2021. *Diabetes Care.* 44(1): 15–33.

Animal Diversity Web. 2022. Rattus norvegicus. *https://animaldiversity.org/acco unts/Rattus_norvegicus/.* 12 Januari 2023 (15:48).

Arctos Database Museum. 2018. Salvia hispanica in Arctos. *https://arctos.databa se.museum/name/Salvia%20hispanica.* 10 Oktober 2022 (22:31).

Azzane, A., Eddouks, M. 2022. Antihyperglycemic, Antihyperlipidemic, and Antioxidant Effects of Salvia tingitana in Streptozotocin-Induced Diabetic Rats. *Cardiovascular & Hematological Disorders-Drug Targets*. 22 (2): 118-127.

Cabrera, E., Valdez, M., Zald´ıvar, P., S´anchez, F., Flores, L., Sosa, F., Palacios, E., Espinoza, J. 2017. Phytochemical Composition of Salvia Hispanica L. Extracts and Their Satiety Effect. *Revista Mexicana de Ingeniería Química.* 16 (1): 47-53.

Carai, M., Colombo, G., Loi, B., Zaru, A., Riva, A., Cabri, W., Morazzoni, P. 2015. Hypoglycemic Effects of a Standardized Extract of Salvia miltiorrhiza Roots in Rats. *Pharmacogn Mag*. 11 (4): 545-549.

Collins, L., Costello RA. 2022. *Glucagon-like Peptide-1*. Statpearls. 10 (2): 50-63.

Costello, A., Nicolas, S., Shivkumar, A. 2023. *Sulfonylureas*. Treasure Island: StatPearls.

Deka, R., Das, A. 2017. Advances in Chia Seed Research. *Advances in Biotechnology & Microbiology*. 5 (2): 64-67.

Departemen Kesehatan Republik Indonesia. 2017. *Farmakope Herbal Indonesia*. Jakarta: Departemen Kesehatan Republik Indonesia.

Departemen Kesehatan Republik Indonesia. 2020. *Farmakope Indonesia*. Edisi Keenam. Jakarta: Departemen Kesehatan Republik Indonesia.

Dewi, K. E. D. P. Jamaluddin, A. W., Rell, F. 2018. Uji Aktivitas Ekstrak Etanol Kulit Pisang Mas (Musa Acuminata (AA Group)) terhadap Penurunan Kadar Glukosa Darah Mencit (Mus Musculus) yang diinduksi Aloksan. *As-Syifaa*. 10 (2): 190-204.

Din, Z., Alama, M., Ullaha, H., Shi, D., Xuc, B., Li, H., Xiao, C. 2021. Nutritional, phytochemical and therapeutic potential of chia seed (Salvia hispanica L.). A mini-review. *Food Hydrocolloids for Health* 1: 100010.

DiPiro, J., Yee, G., Posey, L., Haines, S., Nolin, T., Ellingrod, V. 2020. *Pharmacotherapy: A Pathophysiologic Approach*. Eleventh Edition. Inggris: McGraw-Hill Education Companies.

Etsy. 2022. Chia Seed. *https://www.etsy.com/be/listing/979627552/chia-seed-salvia-hispanica-chia-seeds.* 11 November 2022 (18:12).

Faramayuda, F., Hermanto, F., Windyaswari, A. S., Riyanti, S., Nurhayati, V. A. 2021. Identification of the Secondary Metabolites and Characterization of Lagerstroemia Loudonii *T. & B.* J. *Islamic Pharm*. 6 (1): 1-6.

Furman, BL. 2017. *Glibenclamide*. Biomedical Sciences. 12 (4): 15-19.

Ganesan, K., Rana, M., Sultan, S. 2022. *Oral Hypoglycemic Medications.* Treasure Island: StatPearls.

Goyal, R., Jialal, I. 2022. *Diabetes Melitus Type 2*. India: StatPearls.

Haffner SM, Hanefeld M, Fischer S, Fucker K, Leonhardt W. Glibenclamide, but not Acarbose, Increases Leptin Concentrations Parallel To Changes In Insulin In Subjects with NIDDM. *Diabetes Care*. 20(9):1430- 1434.

Hrncic, K., Ivanovski, M., Cor, D., Knez, Z. 2020. Chia Seeds (Salvia Hispanica L.): An Overview—Phytochemical Profile, Isolation Methods, and Application. *Molecules*. *25* (1): 11.

Ighodaro, O., Adeosun, A., Akinloye, O. 2017. Alloxan-Induced Diabetes, A Common Model for Evaluating The Glycemic-Control Potential of Therapeutic Compounds and Plants Extracts in Experimental Studies. *Medicina.* 53(6): 365-374.

Indrawati, S., Yuliet, Ihwan. 2015. Efek Antidiabetes Ekstrak Air Kulit Buah Pisang Ambon (Musa Paradisiaca L.) terhadap Mencit (Mus Musculus) Model Hiperglikemia. *Galenika Journal of Pharmacy*. 2 (1) : 133-140.

International Diabetes Federation. 2021. IDF Diabetes Atlas. *https://diabetesatlas. org/*. 13 Oktober 2022 (19:24).

Karta, I. W., Iswari., A. K., Susila, L. 2019. Teh Cang Salak : Teh Dari Limbah Kulit Salak Dan Kayu Secang Yang Berpotensi Untuk Pencegahan Dan Pengobatan Penyakit Degeneratif. *Meditory : The Journal of Medical Laboratory*. 7(1). 27–36.

Kaur, S., Bains, K. 2019. Chia (Salvia hispanica L.) – a Rediscovered Ancient Grain, from Aztecs to Food Laboratories. *Nutrition & Food Science*. 50 (3): 463-479.

Khanifah, F., Puspitasari, E., Awwaludin. 2021. Uji Kualitatif Flavonoid, Alkaloid, Tanin pada Kombinasi Kunyit (Curcuma Longa)dan Coklat (Theobroma cacao L). *Jurnal Ilmiah Berkala Sains dan Terapan Kimia.* 15(1): 1-9.

Khashan, K., Al-Khefaji K. 2015. Effects of Salvia officinalis L. (sag) leaves Extracts in Normal and Alloxan-Induced Diabetes in White Rats. *International Journal of Scientific & Engineering Research*. 6 (1): 20-28.

Liao, S. 2023. Does Sugar Turn Into Fat?. *https://www.healthcentral.com/ nutrition/does-sugar-turn-into-fat.* 16 Juni 2023 (05:27).

Maharani, S., Pamela, V., Kusumasari., S. 2021. The Review of Snack Bar from Chia - Mocaf as an Antidiabetic Food. *Food ScienTech Journal*. 3 (1): 56-62.

Mathew, T., Tadi, P. 2022. *Blood Glucose Monitoring.* Treasure Island: StatPearls.

Maulana, TI., Falah, S., Andrianto, D. 2019. Total Phenolic Content, Total Flavonoid Content, And Antioxidant Activity Of Water And Ethanol Extract From Surian (Toona Sinensis) Leaves. *IOP*

Conference Series: Earth and Environmental Science. 299 (1): 1755-1765.

MIMS. 2022. Glibenclamide. *https://www.mims.com/indonesia/drug/info/glibenclamide?mtype=generic*. 10 Desember 2022 (03:27)

Motyka S, Kusznierewicz B, Ekiert H, Korona-Głowniak I, Szopa A. Comparative Analysis of Metabolic Variations, Antioxidant Profiles and Antimicrobial Activity of Salvia hispanica (Chia) Seed, Sprout, Leaf, Flower, Root and Herb Extracts. *Molecules*. 28(6): 2728.

National Center for Biotechnology Information. 2022. PubChem Compound Summary for CID 5781 Alloxan. *https://pubchem.ncbi.nlm.nih.gov/compound/Alloxan*. 18 Oktober 2022 (20:05).

Ningrum, D, O., Hafidhoh, H., Sholiha, N. H., Nuraini, R., Ristiawati, Rahma, A. 2022. Pengukuran Indeks Glikemik Pangan Modifikasi Snack Berbahan Dasar Ikan Gabus (Chana Micropeltes) dan Daun Kenikir (Cosmos Caudatus). *Ghidza Media Journal*. 4(1):117-131.

Nugroho, AE. 2006. Hewan Percobaan Diabetes Mellitus : Patologi Dan Mekanisme Aksi Diabetogenik. *Biodiversitas*. 7 (4): 378-382.

Ortega, R., Valdes, M., Aguilar, F., Barrera, A., Barbosa, E., Velasquez, C., Calsada, F. 2022. Antihyperglycemic Effects of Salvia polystachya Cav. and Its Terpenoids: α-Glucosidase and SGLT1 Inhibitors. *Plants*. 11 (5): 1-21.

Parfati N., Rani, K., Jayani, N. 2018. *Modul Pelatihan Penyiapan Simplisia Kelor (Aspek Produksi, Sanitasi, dan Hygiene)*. Bojonegoro: Pemerintah Kabupaten Bojonegoro.

Perkeni. 2021. *Pedoman Pengelolaan dan Pencegahan Diabetes Melitus Tipe 2 di Indonesia 2021*. Jakarta: PB Perkeni.

Pujiastuti, E., Amilia, D. 2018. Efektivitas Ekstrak Etanol Daun Kenikir (Cosmos caudatus Kunth) Terhadap Penurunan Kadar Glukosa Darah Pada Tikus Putih Galur Wistar yang Diinduksi Aloksan. *Candekia Jurnal of Pharmach.* 2(1): 16-21.

Ramadani, A. 2020. Aktivitas Anti Hiperglikemia Madu Lebah Hutan (Api dorsata) pada Hewan Uji Mencit (Mus musculus). *Jurnal Kesehatan Yamasi Makassar*. 4(1): 33-39.

Rias, Y. A., Sutikno, E. 2017. Hubungan Antara Berat Badan dengan Kadar Gula Darah Acak pada Tikus Diabetes Mellitus. *Jurnal Wiyata*. 4 (1): 72-77.

Saliu, J., Olajuyin, A., Akinnubi, A. 2021. Modulatory effect of Artocarpus camansi on ILP-2, InR, and Imp-L2 genes of sucrose –induced diabetes melitus in Drosophila melanogaster. *Comparative Biochemistry and Physiology*. 246 (3): 109041.

Sapra, A., Bhandari, P. 2022. *Diabetes Melitus*. Treasure Island: StatPearls.

Shen, Y., Zheng, L., Jin, J., Li, X., Fu, J., Wang, M., Guan, Y., Song, X. 2018. Phytochemical and Biological Characteristics of Mexican Chia Seed Oil. *Molecules.* 23 (1): 3219.

Shikov, A. N., Mikhailovskaya, I. Y., Narkevich, I. A., Flisyuk, E. V., Pozharitskaya, O. 2022. *Chapter 35 - Methods of Extraction of Medicinal Plants*. Evidence-Based Validation of Herbal Medicine (Second Edition) Translational Research on Botanicals. 2 (1): 771-796.

Silver, B., Ramaiya, K., Andrew, S., Frederick, O., Bajaj, S., Kalra, S., Charlotte, B., Claudine, K., Makhoba, A. 2018. *EADSG Guidelines: Insulin Therapy in Diabetes*. Diabetes Ther. 9 (1): 449–492.

Soares, J., Leal, B., Silva, J., Jackson, 2022. Influence of Flavonoids on Mechanism of Modulation of Insulin Secretion. *Pharmacogn*. 15 (4): 1-8.

Supasatyankul, B., Saisriyoot, M., Klinkesorn, U., Rattanaporn, K., Sae-Tan, S. Extraction of Phenolic and Flavonoid Compounds from Mung Bean (Vigna radiata L.) Seed Coat by Pressurized Liquid Extraction. *Molecules.* 27 (7): 2085-2099.

Tamayo, D., Valverde, M., Paredes-Lo´pez, O. 2017. Chia—The New Golden Seed for the 21st Century: Nutraceutical Properties and Technological Uses. *Sustainable Protein Sources*. 17 (1): 265-281.

Toscano, L. T., Tavares, R. L., Toscano, L. T., Oliveira da Silva, C. S., Silva, A. S. 2015. Chia Induces Clinically Discrete Weight Loss

and Improves Lipid Profile Only in Altered Previous Values. *Nutricion Hospitalaria*. 31 (3): 1176-1182.

Turck, D., Castenmiller, J., Henauw, S., Hirsch-Ernst, K., Kearney, J., Maciuk, A., Mangelsdorf, I., Mcardle, H., Naska, A., Pelaez, C., Pentieva, K., Siani, A., Thies, F., Tsabouri, S., Vinceti, M., Cubadda, F., Engel, K., Frenzel, T., Heinonen, M., Knutsen, H. 2019. Safety of chia seeds (Salvia hispanica L.) as a novel food for extended uses pursuant to Regulation (EU) 2015/2283. *EFSA Journal*. 17(4): 5657-5674.

Wahid, A., Ghaffar, A., Marvi., Younis, M., Muhammad, S., Ahmed, F. 2022. To Evaluate The Anti-Diabetic Effects of Salvia Cabulica Ethanolic Extract on Alloxan-Induced Diabetic Rabbits. *Open Journal Pharmacol Pharmacother*. 7(1): 007-012.

WHO. 2022. *Diabetes*. Geneva: WHO.

Wijayanti, A. R., Qomariyah, N. 2023. Pengaruh Ekstrak Daun Mengkudu (Morinda citrifolia L.) terhadap Kadar Hemoglobin dan Histopatologi Hepar Mencit Diabetes. *LenteraBio.* 12 (1): 14-24.

Wirawan, W. 2018. Uji Efektivitas Fraksi Daun Salam Terhadap Kadar Kolesterol Total Tikus Putih Jantan Hiperkolesterolemia-Diabetes. *Jurnal Mandala Pharmacon Indonesia*. 4 (1): 1-9.

Yulianingtyas, A., Kusmartono, B. 2016. Optimasi Volume Pelarut dan Waktu Maserasi Pengambilan Flavonoid Daun Belimbing Wuluh (Averrhoa Bilimbi L.). *Jurnal Teknik Kimia*. 10 (2): 58-64.

Yuliantari, N. W., Widarta, I. W., Permana, I. D. 2017. Pengaruh Suhu dan Waktu Ekstraksi Terhadap Kandungan Flavonoid dan Aktivitas Antioksidan Daun Sirsak (Annona muricata L.) Menggunakan Ultrasonik. *Media Ilmiah Teknologi Pangan (Scientific Journal of Food Technology).* 4(1): 35-42.

Zhang, P., Li1, T., Wul, X., Nice, E., Huang, C., Zhang, Y. 2020. Oxidative Stress and Diabetes: Antioxidative Strategies. *Front Med*. 14(5): 583-600.