DAFTAR PUSTAKA

ADA. (2022). 2. Classification and Diagnosis of Diabetes: Standards of Medical Care in Diabetes—2022. *Diabetes Care*, *45*(Supplement_1), S17–S38. https://doi.org/10.2337/dc22-S002

Al-Numair, K. S., Chandramohan, G., Veeramani, C., & Alsaif, M. A. (2015). Ameliorative effect of kaempferol, a flavonoid, on oxidative stress in streptozotocin-induced diabetic rats. *Redox Report*, *20*(5), 198–209. https://doi.org/10.1179/1351000214Y.0000000117

Alamzeb, M., Shah, S. W. A., Hussain, H., Zahoor, M., Ahmad, S., Mughal, E. U., et al. (2024). Beneficial Effects of Natural Alkaloids from Berberis glaucocarpa as Antidiabetic Agents: An In Vitro, In Silico, and In Vivo Approach. *ACS Omega*, *9*(8), 9813–9822. https://doi.org/10.1021/acsomega.3c10232

Ali, A. M., Gabbar, M. A., Abdel-Twab, S. M., Fahmy, E. M., Ebaid, H., Alhazza, I. M., et al. (2020). Antidiabetic Potency, Antioxidant Effects, and Mode of Actions of Citrus reticulata Fruit Peel Hydroethanolic Extract, Hesperidin, and Quercetin in Nicotinamide/Streptozotocin-Induced Wistar Diabetic Rats. *Oxidative Medicine and Cellular Longevity*, *2020*, 1–21. https://doi.org/10.1155/2020/1730492

Almulathanon, A. A. Y., Mohammad, J. A., & Fathi, F. H. (2021). Comparative effects of metformin and glibenclamide on the redox balance in type 2 diabetic patients. *Pharmacia*, *68*(2), 327–332. https://doi.org/10.3897/pharmacia.68.e63365

Alotaibi, M. R., Fatani, A. J., Almnaizel, A. T., Ahmed, M. M., Abuohashish, H. M., & Al-Rejaie, S. S. (2019). In vivo Assessment of Combined Effects of Glibenclamide and Losartan in Diabetic Rats. *Medical Principles and Practice*, *28*(2), 178–185. https://doi.org/10.1159/000496104

Anwar, S., & Younus, H. (2017). Antiglycating potential of ellagic acid against glucose and methylglyoxal-induced glycation of superoxide dismutase. *Journal of Proteins & Proteomics*, *8*(1), 1–12.

Asagba, S. O., Kadiri, H. E., & Ezedom, T. (2019). Biochemical changes in diabetic rats treated with ethanolic extract of Chysophyllum albidum fruit-skin. *The Journal of Basic and Applied Zoology*, *80*(1), 42. https://doi.org/10.1186/s41936-019-0118-y

Asmat, U., Abad, K., & Ismail, K. (2016). Diabetes mellitus and oxidative stress—A concise review. *Saudi Pharmaceutical Journal*, *24*(5), 547–553. https://doi.org/10.1016/j.jsps.2015.03.013

Astari, L., Cahyono, H., & Widjajanto, E. (2017). Correlation of Interleukin-10, Superoxide Dismutase (SOD), and Malondialdehyde (MDA) Levels with HbA1c in Pediatric Type 1 Diabetes Mellitus. *Journal of Tropical Life Science*, *7*(3), 286–292. https://doi.org/10.11594/jtls.07.03.15

Banday, M. Z., Sameer, A. S., & Nissar, S. (2020). Pathophysiology of diabetes: An overview. *Avicenna Journal of Medicine*, *10*(04), 174–188. https://doi.org/10.4103/ajm.ajm_53_20

Bigagli, E., & Lodovici, M. (2019). Circulating Oxidative Stress Biomarkers in Clinical Studies on Type 2 Diabetes and Its Complications. *Oxidative Medicine and Cellular Longevity*, *2019*, 1–17. https://doi.org/10.1155/2019/5953685

Caro-Ordieres, T., Marín-Royo, G., Opazo-Ríos, L., Jiménez-Castilla, L., Moreno, J. A., Gómez-Guerrero, C., et al. (2020). The Coming Age of Flavonoids in the Treatment of Diabetic Complications. *Journal of Clinical Medicine*, *9*(2), 346. https://doi.org/10.3390/jcm9020346

Chatuphonprasert, W., Lao-ong, T., & Jarukamjorn, K. (2014). Improvement of superoxide dismutase and catalase in streptozotocin–nicotinamide-induced type 2-diabetes in mice by berberine and glibenclamide. *Pharmaceutical Biology*, *52*(4), 419–427. https://doi.org/10.3109/13880209.2013.839714

Chukwunonso Obi, B., Chinwuba Okoye, T., Okpashi, V. E., Nonye Igwe, C., & Olisah Alumanah, E. (2016). Comparative Study of the Antioxidant Effects of Metformin, Glibenclamide, and Repaglinide in Alloxan-Induced Diabetic Rats. *Journal of Diabetes Research*, *2016*, 1–5. https://doi.org/10.1155/2016/1635361

Defirson, D., Supriadi, S., Brata, A., Yuliawati, Y., & Yulion, R. (2022). ACUTE TOXICITY TEST OF ETHANOL EXTRACT OF SUNGKAI LEAF (Peronema canescens Jack) IN WHITE MICE (Mus musculus). *International Journal of Pharmaceutical Sciences and Medicine*, *7*(11), 1–8. https://doi.org/10.47760/ijpsm.2022.v07i11.001

Dillasamola, D., Aldi, Y., Wahyuni, F. S., Rita, R. S., Dachriyanus D, D., Umar, S., et al. (2021). Study of Sungkai (Peronema canescens, Jack) Leaf Extract Activity as an Immunostimulators With In vivo and In vitro Methods. *Pharmacognosy Journal*, *13*(6), 1397–1407. https://doi.org/10.5530/pj.2021.13.177

Dillasamola, D., Fitria, N., Husni, E., & Aldi, Y. (2023). Subacute Toxicity Test of Ethanol Extract of Sungkai Leaves (Peronema canescens Jack.) on Renal Histology of Male Wistar Rats. *Tropical Journal of Natural Product Research*, *7*(12). https://doi.org/10.26538/tjnpr/v7i12.22

Eguchi, N., Vaziri, N. D., Dafoe, D. C., & Ichii, H. (2021). The Role of Oxidative Stress in Pancreatic β Cell Dysfunction in Diabetes. *International Journal of Molecular Sciences*, *22*(4), 1509. https://doi.org/10.3390/ijms22041509

Elekofehinti, O. O. (2015). Saponins: Anti-diabetic principles from medicinal plants – A review. *Pathophysiology*, *22*(2), 95–103. https://doi.org/10.1016/j.pathophys.2015.02.001

Elekofehinti, O. O., Kamdem, J. P., Kade, I. J., Rocha, J. B. T., & Adanlawo, I. G. (2013). Hypoglycemic, antiperoxidative and antihyperlipidemic effects of saponins from Solanum anguivi Lam. fruits in alloxan-induced diabetic rats. *South African Journal of Botany*, *88*, 56–61. https://doi.org/10.1016/j.sajb.2013.04.010

Erejuwa, O. O., Sulaiman, S. A., Wahab, M. S. A., Sirajudeen, K. N. S., Salleh, M. S. M., & Gurtu, S. (2010). Antioxidant Protective Effect of Glibenclamide and Metformin in Combination with Honey in Pancreas of Streptozotocin-Induced Diabetic Rats. *International Journal of Molecular Sciences*, *11*(5), 2056–2066. https://doi.org/10.3390/ijms11052056

Fatani, S. H., Babakr, A. T., NourEldin, E. M., & Almarzouki, A. A. (2016). Lipid peroxidation is associated with poor control of type-2 diabetes mellitus. *Diabetes & Metabolic Syndrome: Clinical Research & Reviews*, *10*(2), S64–S67. https://doi.org/10.1016/j.dsx.2016.01.028

Fei, Z., Gao, W., Xu, X., Sheng, H., Qu, S., & Cui, R. (2021). Serum superoxide dismutase activity: a sensitive, convenient, and economical indicator associated with the prevalence of chronic type 2 diabetic complications, especially in men. *Free Radical Research*, *55*(3), 275–281. https://doi.org/10.1080/10715762.2021.1937146

Fiorentino, T., Prioletta, A., Zuo, P., & Folli, F. (2013). Hyperglycemia-induced Oxidative Stress and its Role in Diabetes Mellitus Related Cardiovascular Diseases. *Current Pharmaceutical Design*, *19*(32), 5695–5703. https://doi.org/10.2174/1381612811319320005

Fransisca, D., Kahanjak, D. N., & Frethernety, A. (2020). Uji aktivitas antibakteri ekstrak etanol daun sungkai (Peronema canescens Jack) terhadap pertumbuhan Escherichia coli dengan metode difusi cakram Kirby-Bauer. *Jurnal Pengelolaan Lingkungan Berkelanjutan (Journal of Environmental Sustainability Management)*, 460–470. https://doi.org/10.36813/jplb.4.1.460-470

GBIF. (2023). *Peronema canescens Jack*. https://doi.org/https://doi.org/10.15468/39omei

Ghaffari, M., Razi, S., Zalpoor, H., Nabi-Afjadi, M., Mohebichamkhorami, F., & Zali, H. (2023). Association of MicroRNA-146a with Type 1 and 2 Diabetes and their Related Complications. *Journal of Diabetes Research*, *2023*, 1–13. https://doi.org/10.1155/2023/2587104

Ghorbani, A., Rashidi, R., & Shafiee-Nick, R. (2019). Flavonoids for preserving pancreatic beta cell survival and function: A mechanistic review. *Biomedicine & Pharmacotherapy*, *111*, 947–957. https://doi.org/10.1016/j.biopha.2018.12.127

Gómez-Marcos, M. A., Blázquez-Medela, A. M., Gamella-Pozuelo, L., Recio-Rodriguez, J. I., García-Ortiz, L., & Martínez-Salgado, C. (2016). Serum Superoxide Dismutase Is Associated with Vascular Structure and Function in Hypertensive and Diabetic Patients. *Oxidative Medicine and Cellular Longevity*, *2016*, 1–8. https://doi.org/10.1155/2016/9124676

Goyal, A. K., Middha, S. K., Usha, T., & Sen, A. (2017). Analysis of toxic, antidiabetic and antioxidant potential of Bambusa balcooa Roxb. leaf extracts in alloxan-induced diabetic rats. *3 Biotech*, *7*(2), 1–11. https://doi.org/10.1007/s13205-017-0776-8

Hassanpour, S. H., & Doroudi, A. (2023). Review of the antioxidant potential of flavonoids as a subgroup of polyphenols and partial substitute for synthetic antioxidants. *Avicenna Journal of Phytomedicine*, *13*(4), 354.

Herder, C., Kannenberg, J. M., Huth, C., Carstensen-Kirberg, M., Rathmann, W., Koenig, W., et al. (2018). Myeloperoxidase, superoxide dismutase-3, cardiometabolic risk factors, and distal sensorimotor polyneuropathy: The KORA F4/FF4 study. *Diabetes/Metabolism Research and Reviews*, *34*(5). https://doi.org/10.1002/dmrr.3000

Herrera-Balandrano, D. D., Chai, Z., Hutabarat, R. P., Beta, T., Feng, J., Ma, K., et al. (2021). Hypoglycemic and hypolipidemic effects of blueberry anthocyanins by AMPK activation: In vitro and in vivo studies. *Redox Biology*, *46*, 102100. https://doi.org/10.1016/j.redox.2021.102100

Hong, Y. A., Lim, J. H., Kim, M. Y., Kim, Y., Park, H. S., Kim, H. W., et al. (2018). Extracellular Superoxide Dismutase Attenuates Renal Oxidative Stress Through the Activation of Adenosine Monophosphate-Activated Protein Kinase in Diabetic Nephropathy. *Antioxidants & Redox Signaling*, *28*(17), 1543–1561. https://doi.org/10.1089/ars.2017.7207

Hou, Y., Lin, M., Qiu, X., He, M., Zhang, Y., & Guo, F. (2021). Effect of Type-2 Diabetes Mellitus in Retinopathy Patients on MDA, SOD Activity and its Correlation with HbA1c. *Brazilian Archives of Biology and Technology*, *64*. https://doi.org/10.1590/1678-4324-2021200075

Husni, E., Dillasamola, D., & Jannah, M. (2023). Subacute Toxicity Test of Ethanol Extract of Sungkai Leaf (Peronema Canescens Jack.) on Sgot and Sgpt Levels. *Tropical Journal of Natural Product Research*, *7*(11). https://doi.org/10.26538/tjnpr/v7i11.5

IDF. (2021). IDF Diabetes Atlas. In *Diabetes Research and Clinical Practice* (10th ed.). https://doi.org/10.1016/j.diabres.2013.10.013

Ighodaro, O. ., Adeosun, A. ., & Akinloye, O. . (2017). Alloxan-Induced Diabetes, a Common Model For Evaluating The Glycemic-Control. *Medicina*, *53*, 365–374.

Ighodaro, O. M., & Akinloye, O. A. (2018). First line defence antioxidants-superoxide dismutase (SOD), catalase (CAT) and glutathione peroxidase (GPX): Their fundamental role in the entire antioxidant defence grid. *Alexandria Journal of Medicine*, *54*(4), 287–293. https://doi.org/10.1016/j.ajme.2017.09.001

Iskender, H., Yenice, G., Dokumacioglu, E., Kaynar, O., Hayirli, A., & Kaya, A. (2016). The Effects of Dietary Flavonoid Supplementation on the Antioxidant Status of Laying Hens. *Revista Brasileira de Ciência Avícola*, *18*(4), 663–668. https://doi.org/10.1590/1806-9061-2016-0356

Ito, F., Sono, Y., & Ito, T. (2019). Measurement and Clinical Significance of Lipid Peroxidation as a Biomarker of Oxidative Stress: Oxidative Stress in Diabetes, Atherosclerosis, and Chronic Inflammation. *Antioxidants*, *8*(3), 72. https://doi.org/10.3390/antiox8030072

Jiang, W., Wang, R., Liu, D., Zuo, M., Zhao, C., Zhang, T., et al. (2018). Protective Effects of Kaempferitrin on Advanced Glycation End Products Induce Mesangial Cell Apoptosis and Oxidative Stress. *International Journal of Molecular Sciences*, *19*(11), 3334. https://doi.org/10.3390/ijms19113334

Kanedi, M., Handayani, K., & Setiawan, W. A. (2022). *Therapeutic potentials of sungkai (Peronema canescens Jack .) an Indonesian luxurious woody plant*. *11*(01), 69–73.

Khoubnasabjafari, M., Ansarin, K., & Jouyban, A. (2017). Reliability of malondialdehyde as a biomarker of oxidative stress in psychological disorders. *BioImpacts*, *5*(3), 123–127. https://doi.org/10.15171/bi.2015.20

Latief, M., Sari, P. M., Fatwa, L. T., Tarigan, I. L., & Rupasinghe, H. P. V. (2021). Antidiabetic Activity of Sungkai (Peronema canescens Jack) Leaves Ethanol Extract on the Male Mice Induced Alloxan Monohydrate. *Pharmacology and Clinical Pharmacy Research*, *6*(2), 64. https://doi.org/10.15416/pcpr.v6i2.31666

Lewandowski, Ł., Urbanowicz, I., Kepinska, M., & Milnerowicz, H. (2021). Concentration/activity of superoxide dismutase isozymes and the pro-/antioxidative status, in context of type 2 diabetes and selected single nucleotide polymorphisms (genes: INS, SOD1, SOD2, SOD3) – Preliminary findings. *Biomedicine & Pharmacotherapy*, *137*, 111396. https://doi.org/10.1016/j.biopha.2021.111396

Lieberman, M., & Peet, A. (2018). Mark's Basic Medical Biochemistry. In *Вестник Росздравнадзора* (Fifth, Vol. 4, Issue 1). Wolters Kluwer.

Lin, C. C., Huang, H. H., Hu, C. W., Chen, B. H., Chong, I. W., Chao, Y. Y., et al. (2014). Trace elements, oxidative stress and glycemic control in young people with type 1 diabetes mellitus. *Journal of Trace Elements in Medicine and Biology*, *28*(1), 18–22. https://doi.org/10.1016/j.jtemb.2013.11.001

Longo-Mbenza, B., Muaka, M. M., Masamba, W., Kini, L. M., Phemba, I. L., Ndembe, D. K., et al. (2014). Retinopathy in non diabetics, diabetic retinopathy and oxidative stress: A new phenotype in Central Africa? *International Journal of Ophthalmology*, *7*(2), 293–301. https://doi.org/10.3980/j.issn.2222-3959.2014.02.18

Lucchesi, A. N., Freitas, N. T. de, Cassettari, L. L., Marques, S. F. G., & Spadella, C. T. (2013). Diabetes mellitus triggers oxidative stress in the liver of alloxan-treated rats: a mechanism for diabetic chronic liver disease. *Acta Cirurgica Brasileira*, *28*(7), 502–508. https://doi.org/10.1590/S0102-86502013000700005

Ma'ruf, M., Bachri, M. S., & Nurani, L. H. (2023). Phytochemical Screening Analysis and Determination of Total Flavonoids and Total Phenolics Content of Ethanol Extract of Sungkai Leaf (Penorema canescens Jack) from Samarinda City. *Jurnal Mandala Pharmacon Indonesia*, *9*(2), 262–272. https://doi.org/10.35311/jmpi.v9i2.360

Madi, M., Babu, S., Kumari, S., Shetty, S., Achalli, S., Madiyal, A., et al. (2016). Status of Serum and Salivary Levels of Superoxide Dismutase in Type 2 Diabetes Mellitus with Oral Manifestations: A Case Control Study. *Ethiopian Journal of Health Sciences*, *26*(6), 523. https://doi.org/10.4314/ejhs.v26i6.4

Majidi, Z., Mohajjel-Nayebi, A., Vatankhah, A. M., Asnaashari, S., & Zakeri-Milani, P. (2020). Effects of Heracleum persicum hydroalcoholic extract on insulin, serum anti-oxidant enzymes, glucose, and lipid profiles in alloxan-induced diabetic rats. *Iranian Journal of Medical Sciences*, *45*(3), 199.

Mandal, M., Varghese, A., Gaviraju, V. K., Talwar, S. N., & Malini, S. S. (2019). Impact of hyperglycaemia on molecular markers of oxidative stress and antioxidants in type 2 diabetes mellitus. *Clinical Diabetology*, *8*(4), 215–222. https://doi.org/10.5603/DK.2019.0015

Metwally, N. (2012). Chemical constituents of the Egyptian Plant Anabasis articulata (Forssk) Moq and its antidiabetic effects on rats with streptozotocin-induced diabetic hepatopathy. *Journal of Applied Pharmaceutical Science*, 54–65. https://doi.org/10.7324/JAPS.2012.2403

Middha, S. K., Usha, T., Basistha, B. C., & Goyal, A. K. (2019). Amelioration of antioxidant potential, toxicity, and antihyperglycemic activity of Hippophae salicifolia D. Don leaf extracts in alloxan-induced diabetic rats. *3 Biotech*, *9*(8), 308. https://doi.org/10.1007/s13205-019-1840-3

Muharni, M., Ferlinahayati, F., Fitrya, F., Eliza, E., Yohandini, H., & Cenora, C. (2023). Uji Toksisitas Subkronik Ekstrak Etanol Daun Sungkai (Paronema canescens Jack.) Terhadap Tikus Putih Rattus noverticus (Wistar strain). *Jurnal Sains Farmasi & Klinis*, *10*(2), 211. https://doi.org/10.25077/jsfk.10.2.211-217.2023

Naidoo, P., Rambiritch, V., & Maharaj, B. (2014). Glibenclamide in patients with poorly controlled type 2 diabetes: a 12-week, prospective, single-center, open-label, dose-escalation study. *Clinical Pharmacology: Advances and Applications*, 63. https://doi.org/10.2147/CPAA.S54809

Nimse, S. B., & Pal, D. (2015). Free radicals, natural antioxidants, and their reaction mechanisms. *RSC Advances*, *5*(35), 27986–28006. https://doi.org/10.1039/c4ra13315c

Ojo, O. A., Ibrahim, H. S., Rotimi, D. E., Ogunlakin, A. D., & Ojo, A. B. (2023). Diabetes mellitus: From molecular mechanism to pathophysiology and pharmacology. *Medicine in Novel Technology and Devices*, *19*, 100247. https://doi.org/10.1016/j.medntd.2023.100247

Pandarekandy, S. T., Sreejesh, P. G., Thampi, B. S. H., & Sreekumaran, E. (2017). Hypoglycaemic Effect of Glibenclamide: A Critical Study on the Basis of Creatinine and Lipid Peroxidation Status of Streptozotocin-induced Diabetic Rat. *Indian Journal of Pharmaceutical Sciences*, *79*(5). https://doi.org/10.4172/pharmaceutical-sciences.1000290

Pasello, G., Urso, L., Conte, P., & Favaretto, A. (2013). Effects of Sulfonylureas on Tumor Growth: A Review of the Literature. *The Oncologist*, *18*(10), 1118–1125. https://doi.org/10.1634/theoncologist.2013-0177

Pawlik-Sobecka, L., Sołkiewicz, K., Kokot, I., Kiraga, A., Płaczkowska, S., Schlichtinger, A., et al. (2020). The Influence of Serum Sample Storage Conditions on Selected Laboratory Parameters Related to Oxidative Stress: A Preliminary Study. *Diagnostics*, *10*(1), 51. https://doi.org/10.3390/diagnostics10010051

Phaniendra, A., Jestadi, D. B., & Periyasamy, L. (2015). Free Radicals: Properties, Sources, Targets, and Their Implication in Various Diseases. *Indian Journal of Clinical Biochemistry*, *30*(1), 11–26. https://doi.org/10.1007/s12291-014-0446-0

Putranto, A. M. H. (2014). EXAMINATION OF THE SUNGKAI'S YOUNG LEAF EXTRACT (Peronema canescens) AS AN ANTIPIRETIC, IMMUNITY, ANTIPLASMODIUM AND TERATOGENITY IN MICE (Mus.muculus). *International Journal of Science and Engineering*, *7*(1). https://doi.org/10.12777/ijse.7.1.30-34

Radenković, M., Stojanović, M., & Prostran, M. (2016). Experimental diabetes induced by alloxan and streptozotocin: The current state of the art. *Journal of Pharmacological and Toxicological Methods*, *78*, 13–31. https://doi.org/10.1016/j.vascn.2015.11.004

Sanad, F. A.-A., Ahmed, S. F., & El-Tantawy, W. H. (2022). Antidiabetic and hypolipidemic potentials of Solidago virgaurea extract in alloxan-induced diabetes type 1. *Archives of Physiology and Biochemistry*, *128*(3), 716–723. https://doi.org/10.1080/13813455.2020.1722705

Sari, S. G., & Aulya, D. (2022). Morfologi batang dan daun sungkai (peronema canescens) pada lingkungan tumbuh yang berbeda. *Prosiding Seminar Nasional Hasil Penelitian Dan Pengabdian Kepada Masyarakat*, *1*(1), 390–400.

Satrianawaty, L. D., Christela, F., Joshua, A. A., & Prabowo, S. (2019). Pengaruh Ekstrak Daun Dan Buah Ketapang Terhadap Malondialdehida Pankreas Rattus Norvegicus Jantan yang Diinduksi Aloksan dan Diet Tinggi Lemak. *Hang Tuah Medical Journal*, *17*(1), 44–56.

Shabalala, S. C., Johnson, R., Basson, A. K., Ziqubu, K., Hlengwa, N., Mthembu, S. X. H., et al. (2022). Detrimental Effects of Lipid Peroxidation in Type 2 Diabetes: Exploring the Neutralizing Influence of Antioxidants. *Antioxidants*, *11*(10), 2071. https://doi.org/10.3390/antiox11102071

Singh, S., Bansal, A., Singh, V., Chopra, T., & Poddar, J. (2022). Flavonoids, alkaloids and terpenoids: a new hope for the treatment of diabetes mellitus. *Journal of Diabetes & Metabolic Disorders*, *21*(1), 941–950. https://doi.org/10.1007/s40200-021-00943-8

Skyler, J. S., Bakris, G. L., Bonifacio, E., Darsow, T., Eckel, R. H., Groop, L., et al. (2017). Differentiation of Diabetes by Pathophysiology, Natural History, and Prognosis. *Diabetes*, *66*(2), 241–255. https://doi.org/10.2337/db16-0806

Smith, Y. R. A., & Adanlawo, I. G. (2014). *In vitro and in vivo antioxidant activity of saponin extracted from the root of Garcinia kola (bitter Kola) on alloxan-induced diabetic rats.*

Sok Yen, F., Shu Qin, C., Tan Shi Xuan, S., Jia Ying, P., Yi Le, H., Darmarajan, T., et al. (2021). Hypoglycemic Effects of Plant Flavonoids: A Review. *Evidence-Based Complementary and Alternative Medicine*, *2021*, 1–12. https://doi.org/10.1155/2021/2057333

Tavares, A. M., Silva, J. H., Bensusan, C. de O., Ferreira, A. C. F., Matos, L. P. de L., e Souza, K. L. de A., et al. (2019). Altered superoxide dismutase-1 activity and intercellular adhesion molecule 1 (ICAM-1) levels in patients with type 2 diabetes mellitus. *PLOS ONE*, *14*(5), e0216256.

https://doi.org/10.1371/journal.pone.0216256

Testa, R., Bonfigli, A., Genovese, S., De Nigris, V., & Ceriello, A. (2016). The Possible Role of Flavonoids in the Prevention of Diabetic Complications. *Nutrients*, *8*(5), 310. https://doi.org/10.3390/nu8050310

Tiwari, B. K., Pandey, K. B., Abidi, A. B., & Rizvi, S. I. (2013). Markers of Oxidative Stress during Diabetes Mellitus. *Journal of Biomarkers*, *2013*, 1–8. https://doi.org/10.1155/2013/378790

Villafuerte, G., Miguel-Puga, A., Murillo Rodríguez, E., Machado, S., Manjarrez, E., & Arias-Carrión, O. (2015). Sleep Deprivation and Oxidative Stress in Animal Models: A Systematic Review. *Oxidative Medicine and Cellular Longevity*, *2015*, 1–15. https://doi.org/10.1155/2015/234952

Weng, Y., Yu, L., Cui, J., Zhu, Y.-R., Guo, C., Wei, G., et al. (2014). Antihyperglycemic, hypolipidemic and antioxidant activities of total saponins extracted from Aralia taibaiensis in experimental type 2 diabetic rats. *Journal of Ethnopharmacology*, *152*(3), 553–560. https://doi.org/10.1016/j.jep.2014.02.001

WHO. (2000). *General Guidelines for Methodologies on Research and Evaluation of Traditional Medicine World Health Organization*. 1–73. http://apps.who.int/iris/bitstream/10665/66783/1/WHO_EDM_TRM_2000.1.pdf (Accessed 09.09.2016)

Younus, H. (2018). Therapeutic potentials of superoxide dismutase. . *International Journal of Health Sciences*, *12*(3), 88–93. http://www.ncbi.nlm.nih.gov/pubmed/29896077%0Ahttp://www.pubmedcentral.nih.gov/articlerender.fcgi?artid=PMC5969776

Zhang, L., Wei, G., Liu, Y., Zu, Y., Gai, Q., & Yang, L. (2016). Antihyperglycemic and antioxidant activities of total alkaloids from Catharanthus roseus in streptozotocin-induced diabetic rats. *Journal of Forestry Research*, *27*(1), 167–174. https://doi.org/10.1007/s11676-015-0112-2

Zhang, Y., Wu, L., Ma, Z., Cheng, J., & Liu, J. (2015). Anti-Diabetic, Anti-Oxidant and Anti-Hyperlipidemic Activities of Flavonoids from Corn Silk on STZ-Induced Diabetic Mice. *Molecules*, *21*(1), 7. https://doi.org/10.3390/molecules21010007