Potensi Ekstrak Biji Labu (Cucurbita moschata Duchesne, 1786) ?Terhadap ?Kadar Glukosa, Kadar Insulin, Dan Profil ?Hematologi Pada Hewan Model ?Hiperglikemia Mencit ??(Mus musculus Linnaeus,
1758)?
Nur Safitri Rusiwardani, Dr. Slamet Widiyanto, S.Si., M.Sc.
Universitas Gadjah Mada, 2026 | Diunduh dari http://etd.repository.ugm.ac.id/

DAFTAR PUSTAKA

Acosta-Montaño, P., & García-González, V. (2018). Effects of dietary fatty acids in pancreatic beta cell metabolism and implications in homeostasis. *Nutrients*, *10*(4), 1–14. https://doi.org/10.3390/nu10040393

Agathokleous, E., & Calabrese, E. J. (2022). ScienceDirect Toxicology Editorial overview : Hormesis and dose-response. *Current Opinion in Toxicology*, *30*, 100343. https://doi.org/10.1016/j.cotox.2022.03.004

Agustina, N. A. (2019). *Karakterisasi sifat kimia dan stabilitas minyak biji labu kuning*. Doctoral dissertation, Magister Universitas Sumatera Utara.

Andrikopoulos, S., Massa, C. M., Aston-mourney, K., Funkat, A., Fam, B. C., Hull, R. L., Kahn, S. E., & Proietto, J. (2020). *Differential effect of inbred mouse strain (C57BL / 6 , DBA / 2 , 129T2) on insulin secretory function in response to a high fat diet*. 45–53. https://doi.org/10.1677/joe.1.06333

Banerjee, A., Dey, T., Majumder, R., Bhattacharya, T., Dey, S., Bandyopadhyay, D., & Chattopadhyay, A. (2023). Oleic acid prevents erythrocyte death by preserving haemoglobin and erythrocyte membrane proteins. *Free Radical Biology and Medicine*, *202*(December 2022), 17–33. https://doi.org/10.1016/j.freeradbiomed.2023.03.019

Bauer, I., Rimbach, G., Cordeiro, S., Bosy-Westphal, A., Weghuber, J., Ipharraguerre, I. R., & Lüersen, K. (2024). A comprehensive in-vitro/in-vivo screening toolbox for the elucidation of glucose homeostasis modulating properties of plant extracts (from roots) and its bioactives. *Frontiers in Pharmacology*, *15*(June), 1–29. https://doi.org/10.3389/fphar.2024.1396292

Bodur, M. (2024). *Immunomodulatory Effects of Omega-3 Fatty Acids : Mechanistic Insights and Health Implications*. *May 2025*, 1–28. https://doi.org/10.1002/mnfr.202400752

Calabrese, E. J., & Mattson, M. P. (2017). How does hormesis impact biology , toxicology , and medicine ? *Npj Aging and Mechanisms of Disease*, *August*, 1–8. https://doi.org/10.1038/s41514-017-0013-z

Capdevila, J., Ducreux, M., García Carbonero, R., Grande, E., Halfdanarson, T., Pavel, M., Tafuto, S., Welin, S., Valentí, V., & Salazar, R. (2022). Streptozotocin, 1982-2022: Forty Years from the FDA's Approval to Treat Pancreatic Neuroendocrine Tumors. *Neuroendocrinology*, *112*(12), 1155–1167. https://doi.org/10.1159/000524988

Carpenter, J. W. (2005). Exotic Animal Formulary/James W. *Carpenter. Editor, Diplomate ACZM, Zoological Medicine, Department of Clinical Sciences,*

Potensi Ekstrak Biji Labu (Cucurbita moschata Duchesne, 1786) ?Terhadap ?Kadar Glukosa, Kadar Insulin, Dan Profil ?Hematologi Pada Hewan Model ?Hiperglikemia Mencit ??(Mus musculus Linnaeus,
1758)?
Nur Safitri Rusiwardani, Dr. Slamet Widiyanto, S.Si., M.Sc.
Universitas Gadjah Mada, 2026 | Diunduh dari http://etd.repository.ugm.ac.id/

College of Veterinary Medicine, Kansas State University, Manhattan, Kansas.

Chaianantakul, N., Wutthi, K., Kamput, N., & Pramanpol, N. (2018). Spectrochimica Acta Part A : Molecular and Biomolecular Spectroscopy Development of mini-spectrophotometer for determination of plasma glucose. *Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy*, *204*, 670–676. https://doi.org/10.1016/j.saa.2018.06.107

Chhabra, G. (2018). Automated hematology analyzers: Recent trends and applications. *Journal of Laboratory Physicians*, *10*(01), 015–016. https://doi.org/10.4103/jlp.jlp_124_17

Dahlia, D., Panjaitan, R. G. P., & Wahyuni, E. S. (2023). The Effect of Carbonated Drinks on Blood Glucose Levels in Mice (Mus musculus). *Jurnal Mangifera Edu*, *7*(2), 94–101. https://doi.org/10.31943/mangiferaedu.v7i2.151

Dijk, T. H. van, Laskewitz, A. J. Ã., Grefhorst, A., Boer, T. S., Bloks, V. W., Kuipers, F., Groen, A. K., & Reijngoud, D. J. (2013). *Original Article A novel approach to monitor glucose metabolism using stable isotopically labelled glucose in longitudinal studies in mice*. 79–88. https://doi.org/10.1177/0023677212473714

Dong, X. J., Chen, J. Y., Chen, S. F., Li, Y., & Zhao, X. J. (2021). The composition and anti-inflammatory properties of pumpkin seeds. *Journal of Food Measurement and Characterization*, *15*(2), 1834–1842. https://doi.org/10.1007/s11694-020-00783-9

Ebrahim, H., Fiseha, T., Ebrahim, Y., & Bisetegn, H. (2022). Comparison of hematological parameters between type 2 diabetes mellitus patients and healthy controls at Dessie comprehensive specialized hospital, Northeast Ethiopia: Comparative cross-sectional study. *PLoS ONE*, *17*(7 July), 1–15. https://doi.org/10.1371/journal.pone.0272145

Everds, N. E. (2006). Hematology of the Laboratory Mouse. *The Mouse in Biomedical Research: History, Wild Mice, and Genetics: Volume 1-4, Second Edition*, *1–4*, 133–170. https://doi.org/10.1016/B978-012369454-6/50059-5

Ezin, V., Gbemenou, U. H., & Ahanchede, A. (2022). Characterization of cultivated pumpkin (Cucurbita moschata Duchesne) landraces for genotypic variance, heritability and agro-morphological traits. *Saudi Journal of Biological Sciences*, *29*(5), 3661–3674. https://doi.org/10.1016/j.sjbs.2022.02.057

Ferdaoussi, M., Bergeron, V., Kebede, M., Mancini, A., Alquier, T., & Poitout, V. (2012). Free fatty acid receptor 1: A new drug target for type 2 diabetes? In *Canadian Journal of Diabetes* (Vol. 36, Issue 5, pp. 275–280). Elsevier B.V. https://doi.org/10.1016/j.jcjd.2012.08.002

Potensi Ekstrak Biji Labu (Cucurbita moschata Duchesne, 1786) ?Terhadap ?Kadar Glukosa, Kadar Insulin, Dan Profil ?Hematologi Pada Hewan Model ?Hiperglikemia Mencit ??(Mus musculus Linnaeus,
1758)?
Nur Safitri Rusiwardani, Dr. Slamet Widiyanto, S.Si., M.Sc.
Universitas Gadjah Mada, 2026 | Diunduh dari http://etd.repository.ugm.ac.id/

Foretz, M., Guigas, B., & Viollet, B. (2019). Understanding the glucoregulatory mechanisms of metformin in type 2 diabetes mellitus. *Nature Reviews Endocrinology*, *15*(10), 569–589. https://doi.org/10.1038/s41574-019-0242-2

Francesco, P. N. De, Cornejo, M. P., & Barrile, F. (2019). *Inter-individual Variability for High Fat Diet Consumption in Inbred*. *6*(May), 1–9. https://doi.org/10.3389/fnut.2019.00067

Frohlich, J. (2020). Rats and mice. *Ferrets, Rabbits, and Rodents*, 345–367. https://doi.org/doi: 10.1016/B978-0-323-48435-0.00025-3

Furman, B. L. (2021). Streptozotocin-Induced Diabetic Models in Mice and Rats. *Current Protocols*, *1*(4), 1–21. https://doi.org/10.1002/cpz1.78

Ghasemi, A., & Jeddi, S. (2023). Streptozotocin As a Tool for Induction of Rat Models of Diabetes: a Practical Guide. *EXCLI Journal*, *22*, 274–294. https://doi.org/10.17179/excli2022-5720

Gheibi, S., Kashfi, K., & Ghasemi, A. (2017). A practical guide for induction of type-2 diabetes in rat: Incorporating a high-fat diet and streptozotocin. *Biomedicine and Pharmacotherapy*, *95*(24), 605–613. https://doi.org/10.1016/j.biopha.2017.08.098

González-Garrido, J. A., García-Sánchez, J. R., López-Victorio, C. J., Escobar-Ramírez, A., & Olivares-Corichi, I. M. (2023). Cocoa: a functional food that decreases insulin resistance and oxidative damage in young adults with class II obesity. *Nutrition Research and Practice*, *17*(2), 228–240. https://doi.org/10.4162/nrp.2023.17.2.228

Gonzalez-Lopez, C., & Wojeck, B. S. (2023). Role of metformin in the management of type 2 diabetes: recent advances. *Polish Archives of Internal Medicine*, *133*(6), 1–9. https://doi.org/10.20452/pamw.16511

Hart, C. Y. T., Burnett, J. C., & Redfield, M. M. (2001). Effects of avertin versus xylazine-ketamine anesthesia on cardiac function in normal mice. *American Journal of Physiology - Heart and Circulatory Physiology*, *281*(5 50-5), 1938–1945. https://doi.org/10.1152/ajpheart.2001.281.5.h1938

Hassani, Z. H., & Hassan, A. F. (2022). *Effect of Omega 7 on Some Parameters Related to WBCs and RBCs in Methotrexate- induce Blood Toxicity in Mice*. *1*, 1–5.

Horakova, O., Kroupova, P., Bardova, K., Buresova, J., Janovska, P., Kopecky, J., & Rossmeisl, M. (2019). Metformin acutely lowers blood glucose levels by inhibition of intestinal glucose transport. *Scientific Reports*, *9*(1), 1–11. https://doi.org/10.1038/s41598-019-42531-0

Hossain, M. J., Al-Mamun, M., & Islam, M. R. (2024). Diabetes mellitus, the fastest

Potensi Ekstrak Biji Labu (Cucurbita moschata Duchesne, 1786) ?Terhadap ?Kadar Glukosa, Kadar Insulin, Dan Profil ?Hematologi Pada Hewan Model ?Hiperglikemia Mencit ??(Mus musculus Linnaeus, 1758)?
Nur Safitri Rusiwardani, Dr. Slamet Widiyanto, S.Si., M.Sc.
Universitas Gadjah Mada, 2026 | Diunduh dari http://etd.repository.ugm.ac.id/

growing global public health concern: Early detection should be focused. *Health Science Reports*, *7*(3), 5–9. https://doi.org/10.1002/hsr2.2004

Huang, B., Wang, Z., Park, J. H., Ryu, O. H., Choi, M. K., Lee, J., & Kang, Y. (2015). *Anti-diabetic effect of purple corn extract on C57BL / KsJ db / db mice*. *9*(1), 22–29. https://doi.org/10.4162/nrp.2015.9.1.22

Hull, R. L., Willard, J. R., Struck, M. D., & Barrow, B. M. (2017). *High fat feeding unmasks variable insulin responses in male C57BL / 6 mouse substrains*. https://doi.org/10.1530/JOE-16-0377

Ifada, A. S., Kusadi, A. M., & Mulyaningsih, K. (2020). Profil Kadar Kolesterol Darah Mencit Putih (Mus musculus) Yang Diberi Ekstrak Etanol 70\% Daun Sirsak (Annona muricata L.) Sebelum dan Bersamaan Dengan Induksi High Fat Diet. *Jurnal Ilmu Kesehatan Dan Farmasi*, *8*(1), 31–34.

International Diabetes Federation (Ed.). (2025). *IDF Diabetes Atlas* (11th ed). IDF Diabetes Atlas. http://www.diabetesatlas.org.

Itoh, Y., & Hinuma, S. (2005). GPR40, a free fatty acid receptor on pancreatic β cells, regulates insulin secretion. *Hepatology Research*, *33*(2), 171–173. https://doi.org/10.1016/j.hepres.2005.09.028

Jayasimha Goud, B., & swamy, Bkc. (2015). Streptozotocin -A Diabetogenic Agent in Animal Models www.ijppr.humanjournals.com. *Human Journals Review Article April*, *3*(31), 253–269.

Kassa, M. G., & Teferi, D. A. (2026). Phytochemical Composition, Health Benefits, Functional Properties, and Food Applications of Pumpkin Seeds. *Food Science and Nutrition*, *14*(5). https://doi.org/10.1002/fsn3.71868

Kim, K. H., Lee, I. S., Park, J. Y., Kim, Y., An, E. J., & Jang, H. J. (2018). Cucurbitacin B Induces hypoglycemic effect in diabetic mice by regulation of AMP-activated protein kinase alpha and glucagon-like peptide-1 via bitter taste receptor signaling. *Frontiers in Pharmacology*, *9*(SEP), 1–13. https://doi.org/10.3389/fphar.2018.01071

Kohara, K., Obata, A., Kimura, T., Shimoda, M., Moriuchi, S., Okauchi, S., Hirukawa, H., Mune, T., Kaku, K., & Kaneto, H. (2019). Suppression of free fatty acid receptor 1 expression in pancreatic β-cells in obese type 2 diabetic db/db mice: A potential role of pancreatic and duodenal homeobox factor 1. *Endocrine Journal*, *66*(1), 43–50. https://doi.org/10.1507/endocrj.EJ18-0203

Krisnamurti, D. G. B., Purwaningsih, E. H., Tarigan, T. J. E., Soetikno, V., & Louisa, M. (2022). Hematological indices and their correlation with glucose control parameters in a prediabetic rat model. *Veterinary World*, *15*(3), 672–678. https://doi.org/10.14202/vetworld.2022.672-678

Potensi Ekstrak Biji Labu (Cucurbita moschata Duchesne, 1786) ?Terhadap ?Kadar Glukosa, Kadar Insulin, Dan Profil ?Hematologi Pada Hewan Model ?Hiperglikemia Mencit ??(Mus musculus Linnaeus,
1758)?
Nur Safitri Rusiwardani, Dr. Slamet Widiyanto, S.Si., M.Sc.
Universitas Gadjah Mada, 2026 | Diunduh dari http://etd.repository.ugm.ac.id/

Kumar, V., Rohilla, A., & Ahire, J. J. (2025). Omega - 3 fatty acids and the gut microbiome : a new frontier in cardiovascular disease prevention. *Discover Medicine*. https://doi.org/10.1007/s44337-025-00212-0

Li, J., Dou, K., Zhou, Z., & Zhao, D. (2022). *Role of omega-3 fatty acids in the prevention and treatment of cardiovascular Diseases : A consensus statement from the Experts ' Committee Of National Society Of Cardiometabolic Medicine*. *December*, 1–19. https://doi.org/10.3389/fphar.2022.1069992

Liu, Q. K. (2021). *Triglyceride-lowering and anti-inflamatory mechanisms of omega-3 polyunsaturated fatty acids for atherosclerotic cardiovascular risk reduction* (pp. 1–13). Journal of Clinical Lipidology.

Martini, F. H., Nath, J. L., & Bartholomew, E. F. (2023). *Fundamentals of Anatomy and Physiology, Global Edition* (12th edoti). Pearson Education. https://books.google.co.id/books?id=TITGEAAAQBAJ

Matthan, N. R., Lovato, L., Petersen, K. S., Kris-Etherton, P. M., Sabate, J., Rajaram, S., Li, Z., Reboussin, D. M., & Lichtenstein, A. H. (2024). Effect of daily avocado consumption for 6 mo compared with habitual diet on red blood cell fatty acid profiles and association with cardiometabolic risk factors in individuals with abdominal obesity: a randomized trial. *American Journal of Clinical Nutrition*, *120*(August), 794–803. https://doi.org/10.1016/j.ajcnut.2024.08.002

Medeiros-De-Moraes, I. M., Gonçalves-De-Albuquerque, C. F., Kurz, A. R. M., De Jesus Oliveira, F. M., Pereira de Abreu, V. H., Torres, R. C., Carvalho, V. F., Estato, V., Bozza, P. T., Sperandio, M., De Castro-Faria-Neto, H. C., & Silva, A. R. (2018). Omega-9 oleic acid, the main compound of olive oil, mitigates inflammation during experimental sepsis. *Oxidative Medicine and Cellular Longevity*, *2018*. https://doi.org/10.1155/2018/6053492

Miklankova, D., Markova, I., Hüttl, M., Stankova, B., & Malinska, H. (2022). The Different Insulin-Sensitising and Anti-Inflammatory Effects of Palmitoleic Acid and Oleic Acid in a Prediabetes Model. *Journal of Diabetes Research*, *2022*. https://doi.org/10.1155/2022/4587907

Mohammed, S. N., Jassim, W. E., & Mohammed, N. A. (2022). *To Investigate the Associations of Dyslipidemia and BMI , as Risk Factors Leading to Insulin Resistance and Development of Type2 Diabetes Mellitus in Baqubah City*. *4*(3), 27–33.

Mongi, R., Simbala, H. E. I., & De Queljoe, E. (2019). Uji Aktivitas Penurunan Kadar Gula Darah Ekstrak Etanol Daun Pinang Yaki (*Areca Vestiaria)* Terhadap Tikus Putih Jantan Galur Wistar (*Rattus Norvegicus*) Yang Diinduksi Aloksan. *Pharmacon*, *8*(2), 449. https://doi.org/10.35799/pha.8.2019.29312

Potensi Ekstrak Biji Labu (Cucurbita moschata Duchesne, 1786) ?Terhadap ?Kadar Glukosa, Kadar Insulin, Dan Profil ?Hematologi Pada Hewan Model ?Hiperglikemia Mencit ??(Mus musculus Linnaeus,
1758)?
Nur Safitri Rusiwardani, Dr. Slamet Widiyanto, S.Si., M.Sc.
Universitas Gadjah Mada, 2026 | Diunduh dari http://etd.repository.ugm.ac.id/

Mulyawan, R. P., Nurhaidha, R. T., Supriyatna, A., & Biologi, P. S. (2023). Identifikasi dan Manfaat Famili Cucurbitaceae di Lokasi Wisata Negeri Labu Lembang. *International Journal of Engineering, Economic, Social Politic and Government*, *1*(3), 44–51.

Munjiati, N. E. (2021). Pengaruh Pemberian Streptozotocin Dosis Tunggal terhadap Kadar Glukosa Tikus Wistar (Rattus norvegicus). *Meditory : The Journal of Medical Laboratory*, *9*(1), 62–67. https://doi.org/10.33992/m.v9i1.1330

Negara, C. K., Sukartini, T., Dewi, Y. S., Nursalam, Pertiwiwati, E., Chrismilasari, L. A., Arif, R. N. A., Rahmayanti, D., & Maulana, I. (2025). Correlation of Blood Glucose Levels with Profiles Hematology on Patient Diabetes Mellitus with Ulcer Diabetes. *Iranian Journal of Nursing and Midwifery Research*, *30*(3), 373–378. https://doi.org/10.4103/ijnmr.ijnmr_294_23

Nurmawati, T. (2017). Studi Respon Fisiologis dan Kadar Gula Darah pada Tikus Putih (Rattus Norvegicus) yang Terpapar Streptozotocin (STZ). *Jurnal Ners Dan Kebidanan (Journal of Ners and Midwifery)*, *4*(3), 244–247. https://doi.org/10.26699/jnk.v4i3.art.p244-247

Nurrahman, Suyanto, A., Astuti, R., Dewi, Y. K., & Amalia, N. (2026). Physical properties, nutritional composition, and antioxidant profiles of five varieties of pumpkin (Cucurbita moschata) seeds. *Asian Journal of Agriculture*, *10*(1), 1–10. https://doi.org/10.13057/asianjagric/g100132

Ong, K. L., Stafford, L. K., McLaughlin, S. A., Boyko, E. J., Vollset, S. E., Smith, A. E., Dalton, B. E., Duprey, J., Cruz, J. A., Hagins, H., Lindstedt, P. A., Aali, A., Abate, Y. H., Abate, M. D., Abbasian, M., Abbasi-Kangevari, Z., Abbasi-Kangevari, M., ElHafeez, S. A., Abd-Rabu, R., … Vos, T. (2023). Global, regional, and national burden of diabetes from 1990 to 2021, with projections of prevalence to 2050: a systematic analysis for the Global Burden of Disease Study 2021. *The Lancet*, *402*(10397), 203–234. https://doi.org/10.1016/S0140-6736(23)01301-6

Palomer, X., Pizarro-Delgado, J., Barroso, E., & Vázquez-Carrera, M. (2018). Palmitic and Oleic Acid: The Yin and Yang of Fatty Acids in Type 2 Diabetes Mellitus. *Trends in Endocrinology and Metabolism*, *29*(3), 178–190. https://doi.org/10.1016/j.tem.2017.11.009

Patel, S., Patel, S., Kotadiya, A., Patel, S., Shrimali, B., Tank, M., Patel, T., Trivedi, H., Kshirsagar, S., & Jain, M. (2025). Comparative Analysis of the Effect of Sex and Age on the Hematological and Biochemical Profile of BALB/c and C57BL/6 Inbred Mice. *Journal of the American Association for Laboratory Animal Science*, *64*(1), 132–145. https://doi.org/10.30802/AALAS-JAALAS-24-075

Petersen, M. C., Shulman, G. I., Mc, P., Gi, S., Action, I., & Physiol, I. R. (2018).

Potensi Ekstrak Biji Labu (Cucurbita moschata Duchesne, 1786) ?Terhadap ?Kadar Glukosa, Kadar Insulin, Dan Profil ?Hematologi Pada Hewan Model ?Hiperglikemia Mencit ??(Mus musculus Linnaeus,
1758)?
Nur Safitri Rusiwardani, Dr. Slamet Widiyanto, S.Si., M.Sc.
Universitas Gadjah Mada, 2026 | Diunduh dari http://etd.repository.ugm.ac.id/

RESISTANCE DIRECT INSULIN ACTION INDIRECT INSULIN ACTION. 2133–2223. https://doi.org/10.1152/physrev.00063.2017

Pratiwi, E. N., Soetrisno, Purwanto, B., Dewi, Y. L. R., Pamungkasari, E. P., & Wasita, B. (2024). *Tropical Journal of Natural Product Research Extract of Pumpkin (Cucurbita moschata) Seeds*. *8*(November), 9215–9218.

Qaid, M. M., & Abdelrahman, M. M. (2016). Role of insulin and other related hormones in energy metabolism—A review. *Cogent Food and Agriculture*, *2*(1). https://doi.org/10.1080/23311932.2016.1267691

Qi, B., Ren, D., Li, T., Niu, P., Zhang, X., Yang, X., & Xiao, J. (2022). *Fu Brick Tea Manages HFD/STZ-Induced Type 2 Diabetes by Regulating the Gut Microbiota and Activating the IRS1/PI3K/Akt Signaling Pathway*. https://doi.org/10.1021/acs.jafc.2c02400

Rahman, M. L., Sunartatie, T., Hendry, A., Yan, T. Q., Utami, D. M., Studi, P., Kedokteran, S., & Kedokteran, S. (2025). *Dosis Efektif Anestesi Kombinasi Ketamine-xylazine pada Tikus Pediatri Evaluation of Effective Dose of Ketamine-Xylazine Combination Anesthesia in Pediatric Rats*. *43*(2). https://doi.org/10.22146/jsv.99829

Reece, J. B. (2021). *Campbell Biology*. 12th edition.Benjamin Cummings / Pearson. https://books.google.co.id/books?id=39vMSgAACAAJ

Rena, G., Hardie, D. G., & Pearson, E. R. (2017). The mechanisms of action of metformin. *Diabetologia*, *60*(9), 1577–1585. https://doi.org/10.1007/s00125-017-4342-z

Santa-María, C., López-Enríquez, S., Montserrat-de la Paz, S., Geniz, I., Reyes-Quiroz, M. E., Moreno, M., Palomares, F., Sobrino, F., & Alba, G. (2023). Update on Anti-Inflammatory Molecular Mechanisms Induced by Oleic Acid. *Nutrients*, *15*(1), 1–16. https://doi.org/10.3390/nu15010224

Sharma, R. K., & Verma, P. S. N. (2026). *Antidiabetic and Antihyperlipidemic Activity of Herbal Extract in Streptozotocin-Induced Model*. *02*(01), 1–8.

Sherwood, L. (2021). *Human Physiology: From Cells to Systems*. 10th edition. Cengage Learning. https://books.google.co.id/books?id=8WVvCgAAQBAJ

Silva-santana, G., Cunha, J., Débora, B., Silva, C., Tendler, D., Bacellar, L., Hooper, C., Alves, A., Oliveira, S., Barbosa, C., Aline, S., Souza, M. De, Ramos, S., Alexandre, R., Thainara, S., Pinto, R., Antunes, M., & Mattos-guaraldi, A. L. (2020). *Clinical hematological and biochemical parameters in Swiss , BALB / c , C57BL / 6 and B6D2F1 Mus musculus*. *July*, 304–315. https://doi.org/10.1002/ame2.12139

Sinha, S. K., Carpio, M. B., & Nicholas, S. B. (2024). Fiery Connections:

Potensi Ekstrak Biji Labu (Cucurbita moschata Duchesne, 1786) ?Terhadap ?Kadar Glukosa, Kadar Insulin, Dan Profil ?Hematologi Pada Hewan Model ?Hiperglikemia Mencit ??(Mus musculus Linnaeus,
1758)?
Nur Safitri Rusiwardani, Dr. Slamet Widiyanto, S.Si., M.Sc.
Universitas Gadjah Mada, 2026 | Diunduh dari http://etd.repository.ugm.ac.id/

Macrophage-Mediated Inflammation, the Journey from Obesity to Type 2 Diabetes Mellitus and Diabetic Kidney Disease. *Biomedicines*, *12*(10). https://doi.org/10.3390/biomedicines12102209

Stewart, T. P., Kim, H. Y., Saxton, A. M., & Kim, J. H. (2010). Genetic and genomic analysis of hyperlipidemia , obesity and diabetes using (C57BL / 6J × TALLYHO / JngJ) F2 mice. *BMC Genomics*, *11*(1), 713. https://doi.org/10.1186/1471-2164-11-713

Sujeevi, A., Wickramasinghe, D., Attanayake, A. P., & Kalansuriya, P. (2022). Journal of Pharmacological and Toxicological Methods Biochemical characterization of high fat diet fed and low dose streptozotocin induced diabetic Wistar rat model. *Journal of Pharmacological and Toxicological Methods*,*113*(December2021),107144. https://doi.org/10.1016/j.vascn.2021.107144

Suwanto, Gustomi, Kurnijasanti, M. P., & Rochmah. (2020). Indonesian Journal of Human Nutrition. *Indonesian Journal of Human Nutrition*, *7*(1), 20–30. https://doi.org/10.21776

Suwanto, S., & Rahmawati, R. (2019). Aktivitas Hipoglikemik Diet Pakan Ekstrak Biji Labu Kuning (Cucurbita moschata Duch) Pada Mencit Diabetes Melitus Terpapar Streptozotocin. *JPSCR : Journal of Pharmaceutical Science and Clinical Research*, *4*(1), 39. https://doi.org/10.20961/jpscr.v4i1.27292

Suwanto, Widiyanto, S., Setiadi Daryono, B., Retnoaji, B., & Widodo, H. (2025). The Role Of Pumpkin Seed Oil As A Therapy For Type 2 Diabetes Mellitus. *International Journal of Human and Health Sciences*, *09*(01), 13–21. https://doi.org/10.31344/ijhhs.v9i1.765

Szosland, K., & Lewiński, A. (2018). Insulin resistance - "the good or the bad and ugly." *Neuroendocrinology Letters*, *39*(5), 355–361.

Tan, Y., Barton, H. A., Boobis, A., Brunner, R., Clewell, H., Cope, R., Dawson, J., Domoradzki, J., Egeghy, P., Gulati, P., Ingle, B., Kleinstreuer, N., Lowe, K., Lowit, A., Mendez, E., Miller, D., Minucci, J., Nguyen, J., Paini, A., … Embry, M. (2021). Opportunities and challenges related to saturation of toxicokinetic processes : Implications for risk assessment. *Regulatory Toxicology and Pharmacology*, *127*, 105070. https://doi.org/10.1016/j.yrtph.2021.105070

Tsukita, S., Yamada, T., Takahashi, K., Munakata, Y., & Hosaka, S. (2017). EBioMedicine MicroRNAs 106b and 222 Improve Hyperglycemia in a Mouse Model of Insulin-De fi cient Diabetes via Pancreatic β -Cell Proliferation. *EBIOM*, *15*, 163–172. https://doi.org/10.1016/j.ebiom.2016.12.002

Uehara, K., Santoleri, D., Whitlock, A. E. G., & Titchenell, P. M. (2024). *Insulin Regulation of Hepatic Lipid Homeostasis*. *13*(3), 4785–4809.

Potensi Ekstrak Biji Labu (Cucurbita moschata Duchesne, 1786) ?Terhadap ?Kadar Glukosa, Kadar Insulin, Dan Profil ?Hematologi Pada Hewan Model ?Hiperglikemia Mencit ??(Mus musculus Linnaeus,
1758)?
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Universitas Gadjah Mada, 2026 | Diunduh dari http://etd.repository.ugm.ac.id/

https://doi.org/10.1002/cphy.c220015.Insulin

Utomo, R. T., Christyaningsih, J., Rahmawati, H., Meidayana, E., Wulandari, M., Oktavianingsih, Y., & Andriyani, N. (2023). Antidiabetic Effect of Noni Fruit and Moringa Leaves Extract on Blood Glucose Level, Hepatic and Pancreatic Histological Features of Diabetic Mice. *Jurnal Kesehatan*, *14*(1), 126–132. https://doi.org/10.26630/jk.v14i1.3619

Wang, H., Lu, Y., Yan, Y., Tian, S., Zheng, D., & Leng, D. (2020). *Promising Treatment for Type 2 Diabetes : Fecal Microbiota Transplantation Reverses Insulin Resistance and Impaired Islets*. *9*(January), 1–10. https://doi.org/10.3389/fcimb.2019.00455

Wilcox, G. (2005). Insulin and Insulin Resistance. *The Clinical Biochemist Review*, *26*(May), 19–39.

Yamamoto, Y., Ishino, F., & Kaneko-ishino, T. (2008). *Induced by Meg1 / Grb10 Overexpression*. *57*(March), 385–395.

Zhao, B., Luo, J., Yu, T., Zhou, L., Lv, H., & Shang, P. (2020). Anticancer mechanisms of metformin: A review of the current evidence. *Life Sciences*, *254*(January). https://doi.org/10.1016/j.lfs.2020.117717

Zhao, Y., Chan, M., Zhou, S., & Heng, C. (2018). *Effects of Atherogenic Diet and Atorvastatin Treatment on Gene Expression Profiles in the C57BL / 6J Mouse Liver*. *14*, 149–158.

Zhou, X., Zhou, X., Zhu, R., Ming, Z., Cheng, Z., & Hu, Y. (2023). The mechanism of oleic acid inhibiting platelet activation stimulated by collagen. *Cell Communication and Signaling*, *21*(1), 1–14. https://doi.org/10.1186/s12964-023-01276-0