

DAFTAR PUSTAKA

- ADA (*American Diabetes Association*). (2022). *Standards of Medical Care in Diabetes—2022*. *Diabetes Care*, 45(Supplement_1), S1–S264. Diakses dari <https://doi.org/10.2337/dc22-Sintesis>
- Adiyasa, M. R., & Meiyanti, M. (2021). Pemanfaatan obat tradisional di Indonesia: Distribusi dan faktor demografis yang berpengaruh. *Jurnal Biomedika dan Kesehatan*, 4(3), 130–138. <https://doi.org/10.18051/JBiomedKes.2021.v4.130-138>
- Aisyah, S., Gumelar, A. S., & Maulana, M. S. (2023). Identifikasi Karakteristik Hewan Vertebrata Mamalia Tikus Putih (*Rattus norvegicus*) Berdasarkan Morfologi dan Anatominya.
- Amitesh, S., Devi, S., Kartic, N., Stalin, N., Lim, J., Choi, J., Kim, J., Jeong, M.-Y., Lee, S.-J., & Park, T.-S. (n.d.). *The ethanolic extract of Chrysanthemum morifolium Ramat flower activates parasympathomimetic and anti-inflammatory effects for prevention of presbyopia*.
- Andrade, A. C., Borsoi, F. T., Saliba, A. S. M. C., de Alencar, S. M., Pastore, G. M., & Arruda, H. S. (2024). *Optimization of ultrasonic-assisted extraction of phenolic compounds and antioxidant activity from araticum peel using response surface methodology*. *Plants*, 13(18), 2560. <https://doi.org/10.3390/plants13182560>
- Aske, K. C., & Waugh, C. A. (2017). *Expanding the 3R principles: More rigour and transparency in research using animals*. *EMBO reports*, 18(9), 1490–1492. <https://doi.org/10.15252/embr.201744428>
- Bisala, F. K., (2019). Uji Efek Antidiabetes Ekstrak Etanol Daun Talas Pada Tikus Putih Jantan Hiperkolesterolemia Diabetes
- Bjornstad, P., & Eckel, R. H. (2018). *Pathogenesis of Lipid Disorders in Insulin Resistance: A Brief Review*. *Current Diabetes Reports*, 18(12), 127. <https://doi.org/10.1007/s11892-018-1101-6>
- Chatterjee, S., Khunti, K., & Davies, M. J. (2017). Type 2 diabetes. *The Lancet*, 389(10085), 2239–2251. Diakses dari [https://doi.org/10.1016/S0140-6736\(17\)30058-2](https://doi.org/10.1016/S0140-6736(17)30058-2)
- Chen, M., Wang, K., Zhang, Y., Zhang, M., Ma, Y., Sun, H., Jin, Z., Zheng, H., Jiang, H., Yu, P., Zhang, Y., & Sun, H. (2019). *New insights into the biological activities of Chrysanthemum morifolium: Natural flavonoids alleviate diabetes by targeting α -glucosidase and the PTP-1B signaling pathway*. *European Journal of Medicinal Chemistry*, 108–115. <https://doi.org/10.1016/j.ejmech.2019.05.083>

- Darmawan, R. A., Revina, R., & Yulianti, R. (t.t.). Hubungan Pengetahuan Dengan Kepatuhan Minum Obat Pada Pasien Diabetes Tipe II di RSPAD Gatot Soebroto.
- Doan, T. T. M., Tran, G. H., Nguyen, T. K., Lim, J. H., & Lee, S. (n.d.). *Antioxidant activity of different cultivars of Chrysanthemum morifolium and quantitative analysis of phenolic compounds by HPLC/UV*.
- Donath, M. Y., Ehses, J. A., Maedler, K., Schumann, D. M., Ellingsgaard, H., Eppler, E., & Reinecke, M. (2005). *Mechanisms of β -Cell Death in Type 2 Diabetes*. *Diabetes*, 54(suppl_2), S108–S113. https://doi.org/10.2337/diabetes.54.suppl_2.S108
- Dujic, T., Causevic, A., Bego, T., Malenica, M., Velija-Asimi, Z., Pearson, E. R., & Semiz, S. (2016). *Organic cation transporter 1 variants and gastrointestinal side effects of metformin in patients with Type 2 diabetes*. *Diabetic Medicine*, 33(4), 511–514. <https://doi.org/10.1111/dme.13040>
- Frontiers in Cardiovascular Medicine. (2023). *Visceral adipose tissue and residual cardiovascular risk*. *Frontiers in Cardiovascular Medicine*, 10, 1187735. <https://doi.org/10.3389/fcvm.2023.1187735>
- Frontiers in Nutrition. (2022). *The interplay of obesity, dyslipidemia and immune dysfunction: A narrative review*. *Frontiers in Nutrition*, 9, 840209. <https://doi.org/10.3389/fnut.2022.840209>
- Grundy, S. M. (2006). *Atherogenic dyslipidemia associated with metabolic syndrome and insulin resistance*. *Clinical Cornerstone*, 8, S21–S27. [https://doi.org/10.1016/S1098-3597\(06\)80005-0](https://doi.org/10.1016/S1098-3597(06)80005-0)
- H., Yu, P., Zhang, Y., & Sun, H. (2019). *New insights into the biological activities of Chrysanthemum morifolium: Natural flavonoids alleviate diabetes by targeting α -glucosidase and the PTP-1B signaling pathway*. *European Journal of Medicinal Chemistry*, 178, 108–115. <https://doi.org/10.1016/j.ejmech.2019.05.083>
- Hu, Y., Qian, W., Fan, S., Yang, Y., Liao, H., Zhuang, G., & Gao, S. (2024). *Ultrasonic-assisted extraction of phenolic compounds from Lonicera similis flowers at three harvest periods: Comparison of composition, characterization, and antioxidant activity*. *Molecules*, 29(14), 3280. <https://doi.org/10.3390/molecules29143280>
- Huang, Y., Tao, M., Li, R., Liang, F., Xu, T., Zhong, Q., Yuan, Y., Wu, T., Pan, S., & Xu, X. (n.d.). *Identification of key phenolic compounds for alleviating gouty inflammation in edible chrysanthemums based on spectrum-effect relationship analyses*.

Walindah Diva Aureliya Tapi Tapi, 2026

EFEK PEMBERIAN EKSTRAK BUNGA KRISAN (*Chrysanthemum morifolium*) TERHADAP PROFIL KADAR GULA DARAH PADA TIKUS PUTIH (*Rattus norvegicus*) MODEL HIPERKOLESTEROLEMIA DIABETES

UPN Veteran Jakarta, Fakultas Kedokteran, Kedokteran

www.upnvj.ac.id–www.library.upnvj.ac.id–www.repository.upnvj.ac.id

- IDF (*International Diabetes Federation*). (2021). *IDF Diabetes Atlas* (10th ed.). Diakses dari <https://www.diabetesatlas.org>
- 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 plant plants extracts in experimental studies*. *Medicina*, 53(6), 365–374. <https://doi.org/10.1016/j.medic.2018.02.001>
- Indarto, I., Widiyanto, A., & Atmojo, J. T. (2023). Efektivitas Metformin dalam Penurunan Kadar Glukosa pada Pasien Diabetes Mellitus Tipe-2: Meta-Analisis. *Jurnal Ilmiah Permas: Jurnal Ilmiah STIKES Kendal*, 13(2), 621–630. <https://doi.org/10.32583/pskm.v13i2.852>
- Kobus, Z., Krzywicka, M., Starek-Wójcicka, A., & Sagan, A. (2022). *Effect of the duty cycle of the ultrasonic processor on the efficiency of extraction of phenolic compounds from Sorbus intermedia*. *Scientific Reports*, 12, 8311. <https://doi.org/10.1038/s41598-022-12244-y>
- Li, Y., Zhang, J. J., Xu, D. P., Zhou, T., Zhou, Y., Li, S., & Li, H. B. (2019). *Bioactivities and health benefits of wild fruits*. *International Journal of Molecular Sciences*, 17(8), 1258. Diakses dari <https://doi.org/10.3390/ijms17081258>
- Liang, Y., Liu, T., Wang, D., & Liu, Q. (2025). Exploring the antimicrobial, anti-inflammatory, antioxidant, and immunomodulatory properties of *Chrysanthemum morifolium* and *Chrysanthemum indicum*: A narrow review. *Frontiers in Pharmacology*, 16, 1538311. <https://doi.org/10.3389/fphar.2025.1538311>
- Liu, G., Zheng, Q., Pan, K., & Xu, X. (2020). *Protective effect of Chrysanthemum morifolium Ramat. Ethanol extract on lipopolysaccharide induced acute lung injury in mice*. *BMC Complementary Medicine and Therapies*, 20(1), 235. <https://doi.org/10.1186/s12906-020-03017-z>
- Neuri Untari, H. D., Suryanto, B. R., Famia, Z., & Suprihatin, S. (2020). Kebijakan penerapan kesejahteraan hewan di BBVet Wates serta keterkaitannya dengan peternakan rakyat dalam pengambilan sampel untuk uji laboratorium. *Prosiding Seminar Nasional Politeknik Pembangunan Pertanian Yogyakarta-Magelang*, 2020, 253–261. Diakses dari <https://jurnal.polbangtanyoma.ac.id/index.php/pros2020yoma/article/view/506>
- Nussbaumerová, B., & Rosolová, H. (2023). *Obesity and dyslipidemia*. *Current Atherosclerosis Reports*, 25, 947–955. <https://doi.org/10.1007/s11883-023-01167-2>
- PERKENI. (2021). *Pengurus Besar Perkumpulan Endokrinologi Indonesia*. Diakses dari <https://pbperkeni.or.id>

Walindah Diva Aureliya Tapi Tapi, 2026

EFEK PEMBERIAN EKSTRAK BUNGA KRISAN (*Chrysanthemum morifolium*) TERHADAP PROFIL KADAR GULA DARAH PADA TIKUS PUTIH (*Rattus norvegicus*) MODEL HIPERKOLESTEROLEMIA DIABETES

UPN Veteran Jakarta, Fakultas Kedokteran, Kedokteran

[www.upnvj.ac.id–www.library.upnvj.ac.id–www.repository.upnvj.ac.id]

- Ryu, R., Kwon, E.-Y., Choi, J.-Y., Shon, J. C., Liu, K.-H., & Choi, M.-S. (2019). *Chrysanthemum Leaf Ethanol Extract Prevents Obesity and Metabolic Disease in Diet-Induced Obese Mice via Lipid Mobilization in White Adipose Tissue*. *Nutrients*, *11*(6), 1347. <https://doi.org/10.3390/nu11061347>
- Sharma, N., Radha, null, Kumar, M., Kumari, N., Puri, S., Rais, N., Natta, S., Dhupal, S., Navamaniraj, N., Chandran, D., Mohankumar, P., Muthukumar, M., Senapathy, M., Deshmukh, V., Damale, R. D., Anitha, T., Balamurugan, V., Sathish, G., & Lorenzo, J. M. (2023). *Phytochemicals, therapeutic benefits and applications of chrysanthemum flower: A review*. *Heliyon*, *9*(10), e20232. <https://doi.org/10.1016/j.heliyon.2023.e20232>
- Shen, L., Pang, S., Zhong, M., Sun, Y., Qayum, A., Liu, Y., ... & Ma, H. (2023). *A comprehensive review of ultrasonic-assisted extraction (UAE) for bioactive components: Principles, advantages, equipment, and combined technologies*. *Ultrasonics Sonochemistry*, *93*, 106646. <https://doi.org/10.1016/j.ultsonch.2023.106646>
- Sun, J., Wang, Z., Chen, L., & Sun, G. (2021). *Hypolipidemic Effects and Preliminary Mechanism of Chrysanthemum Flavonoids, Its Main Components Luteolin and Luteoloside in Hyperlipidemia Rats*. *Antioxidants (Basel, Switzerland)*, *10*(8), 1309. <https://doi.org/10.3390/antiox10081309>
- Szkudelski, T. (2012). *Streptozotocin-nicotinamide-induced diabetes in the rat. Characteristics of the experimental model*. *Experimental Biology and Medicine*, *237*(5), 481–490. Diakses dari <https://doi.org/10.1258/ebm.2012.011372>
- Tiyas, R. S., Yulianti, E., & Fahrudin, M. M. (2024). Penerapan Ultrasonik dalam Penelitian Aktivitas Antibakteri Staphylococcus epidermidis Ekstrak Daun Kelor (*Moringa oleifera*): Pendekatan Berbasis Sains dan Nilai Islam. *Es-Syajar: Journal of Islam, Science and Technology Integration*, *2*(1), 141–152. <https://doi.org/10.18860/es.v2i1.23420>
- Tripathy, B., Sahoo, N., & Sahoo, S. K. (2023). *Antidiabetic Effect of Standardized Chrysanthemum rubellum Hydroethanolic Extract by Targeting α -Glucosidase and the PTP-1B Signaling Pathway for Alleviating Diabetes in Experimental Model*. *Journal of Pharmacopuncture*, *26*(4), 319–326. <https://doi.org/10.3831/KPI.2023.26.4.319>
- Veghari, G., Sedaghat, M., Joshaghani, H., Banihashemi, S., Moharloei, P., Angizeh, A., Tazik, E., & Moghaddam, A. (2013). *Obesity and risk of hypercholesterolemia in Iranian northern adults*. *ARYA atherosclerosis*, *9*(1), 2–6.

Walindah Diva Aureliya Tapi Tapi, 2026

EFEK PEMBERIAN EKSTRAK BUNGA KRISAN (*Chrysanthemum morifolium*) TERHADAP PROFIL KADAR GULA DARAH PADA TIKUS PUTIH (*Rattus norvegicus*) MODEL HIPERKOLESTEROLEMIA DIABETES

UPN Veteran Jakarta, Fakultas Kedokteran, Kedokteran

[www.upnvj.ac.id–www.library.upnvj.ac.id–www.repository.upnvj.ac.id]

- Wahyuwardani, S., Noor, S. M., & Bakrie, B. (2020). *Animal Welfare Ethics in Research and Testing: Implementation and its Barrier. Indonesian Bulletin of Animal and Veterinary Sciences*, 30(4), 211. <https://doi.org/10.14334/wartazoa.v30i4.2529>
- Wang, W., Teresa, M., Cai, J., Zhang, C., Wong, S., Yan, Z., Khojasteh, S. C., & Zhang, D. (2021). *Comparative assessment for rat strain differences in metabolic profiles of 14 drugs in Wistar Han and Sprague Dawley hepatocytes. Xenobiotica*, 51(1), 15–23. <https://doi.org/10.1080/00498254.2020.1795949>
- Wang, W., Teresa, M., Cai, J., Zhang, C., Wong, S., Yan, Z., Khojasteh, S. C., & Zhang, D. (2021). *Comparative assessment for rat strain differences in metabolic profiles of 14 drugs in Wistar Han and Sprague Dawley hepatocytes. Xenobiotica*, 51(1), 15–23. <https://doi.org/10.1080/00498254.2020.1795949>
- Wulandari, N. L. W. E., Udayani, N. N. W., Arman Anita Dewi, N. L. K., Putri Triansyah, G. A., Mahita Kumari Dewi, N. P. E., Ayu Putu Widiastini, I., & Sagung Sri Prabandari, A. A. (2024a). Artikel Review: Pengaruh Pemberian Induksi Aloksan Terhadap Gula Darah Tikus. *Indonesian Journal of Pharmaceutical Education*, 4(2). <https://doi.org/10.37311/ijpe.v4i2.26494>
- Wulandari, N. L. W. E., Udayani, N. N. W., Arman Anita Dewi, N. L. K., Putri Triansyah, G. A., Mahita Kumari Dewi, N. P. E., Ayu Putu Widiastini, I., & Sagung Sri Prabandari, A. A. (2024b). Artikel Review: Pengaruh Pemberian Induksi Aloksan Terhadap Gula Darah Tikus. *Indonesian Journal of Pharmaceutical Education*, 4(2). <https://doi.org/10.37311/ijpe.v4i2.26494>
- Yan, Q., Ni, J., Deng, X., Li, Y., & Zeng, S. (2022). *Lipoprotein profiles of fat distribution and its association with insulin resistance in middle-aged adults. Frontiers in Endocrinology*, 13, 978745. <https://doi.org/10.3389/fendo.2022.978745>
- Yin, Y., Nie, W., Tang, Z.-Q., & Zhu, S.-J. (2025). *Flavonoid-Rich Extracts from Chuju (Asteraceae Chrysanthemum L.) Alleviate the Disturbance of Glycolipid Metabolism on Type 2 Diabetic Mice via Modulating the Gut Microbiota. Foods*, 14(5), 765. <https://doi.org/10.3390/foods14050765>
- Zhang, Y., et al. (2022). *Neuroprotective effects of Chrysanthemum morifolium on cerebral ischemia-reperfusion injury contribute to the oxidative stress suppression and related Keap1/Nrf2 pathway.*
- Zhao, H., Liu, P., Zhang, H., & Tang, Y. (2018). *Hypoglycemic and hypolipidemic effects of Chrysanthemum morifolium extract in high-fat diet and streptozotocin-induced diabetic mice. Nutrients*, 10(11), 1756. Diakses dari <https://doi.org/10.3390/nu10111756>

Walindah Diva Aureliya Tapi Tapi, 2026

EFEK PEMBERIAN EKSTRAK BUNGA KRISAN (*Chrysanthemum morifolium*) TERHADAP PROFIL KADAR GULA DARAH PADA TIKUS PUTIH (*Rattus norvegicus*) MODEL HIPERKOLESTEROLEMIA DIABETES

UPN Veteran Jakarta, Fakultas Kedokteran, Kedokteran

www.upnvj.ac.id–www.library.upnvj.ac.id–www.repository.upnvj.ac.id

Zhao, Y., et al. (2020). *Study on the effect of chrysanthemum polysaccharide on hypoglycemia in type 2 diabetic rats*. Diakses dari 10.13652/j.issn.1003-5788.2022.01.027