

DAFTAR PUSTAKA

- Abdul Rahman, H., Saari, N., Abas, F., Ismail, A., Mumtaz, M. W., & Abdul Hamid, A. (2017). Anti-obesity and antioxidant activities of selected medicinal plants and phytochemical profiling of bioactive compounds. *International Journal of Food Properties*, 20(11), 2616–2629. <https://doi.org/10.1080/10942912.2016.1247098>
- Adelina, R. (2018). Mekanisme Katekin Sebagai Obat Antidislipidemia (Uji In Silico). *Buletin Penelitian Kesehatan*, 46(3), 147–154. <https://doi.org/10.22435/bpk.v46i3.899>
- Ahmad Ridwan, Raden Tanita Astrian, dan A. B. (2012). Pengukuran Efek Antidiabetes Polifenol (Polyphenon 60) Berdasarkan Kadar Glukosa Darah dan Histologi Pankreas Mencit (*Mus musculus L.*) S.W. Jantan yang Dikondisikan Diabetes Mellitus. *Jurnal Matematika & Sains*, Agustus, vol.17(January 2012).
- American Diabetes Association. (2020). Classification and diagnosis of diabetes: Standards of Medical Care in Diabetes-2020. *Diabetes Care*, 43(January), S14–S31. <https://doi.org/10.2337/dc20-S002>
- Aschner, P. (2017). IDF clinical practice recommendations for managing type 2 diabetes in primary care. In *Diabetes Research and Clinical Practice* (Vol. 132). <https://doi.org/10.1016/j.diabres.2017.09.002>
- Aulia Dewi Listiyana, Mardiana, G. N. P. (2013). Obesitas Sentral Dan Kadar Kolesterol Darah Total. *KESMAS - Jurnal Kesehatan Masyarakat*, 9(1), 37–43. <https://doi.org/10.15294/kemas.v9i1.2828>
- Bonilha, I., Hajdich, E., Luchiari, B., Nadruz, W., Goff, W. Le, & Sposito, A. C. (2021). The reciprocal relationship between LDL metabolism and type 2 diabetes mellitus. *Metabolites*, 11(12). <https://doi.org/10.3390/metabo11120807>
- Cabezasa, M. C., Burggraafa, B., & Klop, B. (2018). Dyslipidemias in clinical practice. *Clinica Chimica Acta*, 487(September), 117–125. <https://doi.org/10.1016/j.cca.2018.09.010>
- Cheng, S.-H., Yusof Barakatun-Nisak, M., Anthony, J., & Ismail, A. (2015). Potential medicinal benefits of *Cosmos caudatus* (Ulam Raja): A scoping review. In *Journal of Research in Medical Sciences | Published by Wolters Kluwer-Medknow*. www.jmsjournal.net
- Cheng, S., Barakatun-nisak, M. Y., Anthony, J., & Ismail, A. (2015). *Potential medicinal benefits of Cosmos caudatus (Ulam Raja): A scoping review*. October, 4–8. <https://doi.org/10.4103/1735-1995.172796>
- Cheng, S. H., Ismail, A., Anthony, J., Ng, O. C., Hamid, A. A., & Yusof, B. N. M.

- (2016). Effect of *Cosmos caudatus* (Ulam raja) supplementation in patients with type 2 diabetes: Study protocol for a randomized controlled trial. *BMC Complementary and Alternative Medicine*, 16(1), 1–8. <https://doi.org/10.1186/s12906-016-1047-7>
- Decroli, E. (2019). *Diabetes Melitus Tipe 2* (Y. P. E. Alexander Kam (ed.)). Pusat Penerbitan Bagian Ilmu Penyakit Dalam.
- Helmericks, S. G., Nelsen, R. L., & Unnithan, N. P. (2014). The Researcher, the Topic, and the Literature: A Procedure for Systematizing Literature Searches. *The Journal of Applied Behavioral Science*, 27(3), 285–294. <https://doi.org/10.1177/0021886391273004>
- Hirano, T. (2018). Pathophysiology of diabetic dyslipidemia. *Journal of Atherosclerosis and Thrombosis*, 25(9), 771–782. <https://doi.org/10.5551/jat.RV17023>
- Husna, F., Suyatna, F. D., Arozal, W., & Purwaningsih, E. H. (2019). Model Hewan Coba pada Penelitian Diabetes. *Pharmaceutical Sciences and Research*, 6(3). <https://doi.org/10.7454/psr.v6i3.4531>
- Koval'skii, I. V., Krasnyuk, I. I., Krasnyuk, I. I., Nikulina, O. I., Belyatskaya, A. V., Kharitonov, Y. Y., Feldman, N. B., & Lutsenko, S. V. (2014). Molecular-biological problems of drug design and mechanism of drug action: Mechanisms of rutin pharmacological action (review). *Pharmaceutical Chemistry Journal*, 48(2), 73–76. <https://doi.org/10.1007/s11094-014-1050-6>
- kumar, abbas, A. (2019). Robbins Basic Pathology. In M. H. M. Saraswati (Ed.), *Angewandte Chemie International Edition*, 6(11), 951–952. (tenth, Vol. 4). elsevier.
- Latiff, N. A., Ong, P. Y., Abd Rashid, S. N. A., Abdullah, L. C., Mohd Amin, N. A., & Fauzi, N. A. M. (2021). Enhancing recovery of bioactive compounds from *Cosmos caudatus* leaves via ultrasonic extraction. *Scientific Reports*, 11(1), 1–12. <https://doi.org/10.1038/s41598-021-96623-x>
- Lin, C. F., Chang, Y. H., Chien, S. C., Lin, Y. H., & Yeh, H. Y. (2018). Epidemiology of Dyslipidemia in the Asia Pacific Region. *International Journal of Gerontology*, 12(1), 2–6. <https://doi.org/10.1016/j.ijge.2018.02.010>
- Marrelli, M., Conforti, F., Araniti, F., & Statti, G. A. (2016). Effects of saponins on lipid metabolism: A review of potential health benefits in the treatment of obesity. *Molecules*, 21(10). <https://doi.org/10.3390/molecules21101404>
- Masaenah, E., Elya, B., Setiawan, H., Fadhilah, Z., Wediasari, F., Nugroho, G. A., Elfahmi, & Mozef, T. (2021). Antidiabetic activity and acute toxicity of combined extract of *Andrographis paniculata*, *Syzygium cumini*, and *Caesalpinia sappan*. *Heliyon*, 7(12), e08561. <https://doi.org/10.1016/j.heliyon.2021.e08561>

- Mediani, A., Abas, F., Khatib, A., & Tan, C. P. (2013). *Cosmos Caudatus* as a potential source of polyphenolic compounds: Optimisation of oven drying conditions and characterisation of its functional properties. *Molecules*, *18*(9), 10452–10464. <https://doi.org/10.3390/molecules180910452>
- Meissy Handayani, A. S. (2019). The Use of Station in Hypercholesterolemia. *Majalah Kedokteran UKI*, *XXXV*(3), 96–103.
- Moshawih, S., Cheema, M. S., Ibraheem, Z. O., Tailan, N. D., & Hakim, M. N. (2017). *Cosmos caudatus* extract/fractions reduce smooth muscle cells migration and invasion in vitro: A potential benefit of suppressing atherosclerosis. *Porto Biomedical Journal*, *2*(6), 293–300. <https://doi.org/10.1016/j.pbj.2017.03.008>
- Moshawih, S., Cheeme, M. S., Ahmad, Z., Zakaria, Z. A., & Hakim, M. N. (2017). A comprehensive review on *cosmos caudatus* (ulam raja): pharmacology, ethnopharmacology, and phytochemistry. *International Research Journal of Education and Sciences (IRJES) EISSN 2550-2158 Vol.*, *1*(1), 14–31. www.Theplantlist.org
- Mulyani, S., Dewi, N. P., & Irwan. (2017). Uji Efek Ekstrak Etanol Daun Kenikir (*Cosmos caudatus* Kunth.) Terhadap Penurunan Kadar Kolesterol Pada Tikus Wistar (*Rattus norvegicus*) Hiperkolesterolemia-Diabetes. *Farmakologika: Jurnal Farmasi*, *14*(2), 119–128.
- Novianto, Agil, A. rina. (2014). UJI AKTIVITAS HIPOLIPIDEMIK KENIKIR (*Cosmos caudatus*) PADA TIKUS JANTAN YANG DIINDUKSI PROPILTIOURASIL. *Akademi Farmasi Nasional Surakarta*, *45*(Supplement), 7.
- Pasaribu, F., Sitorus*, P., & Bahri, S. (2012). Uji Ekstrak Etanol Kulit Buah Manggis (*Garcinia mangostana* L.) Terhadap Penurunan Kadar Glukosa Darah. *Journal of Pharmaceutics and Pharmacology*, *1*(1), 1–8. <http://jurnal.usu.ac.id/index.php/jpp/article/view/611>
- Pebriana, R. B. (2016). *Ayu Prahartini Nur Sahid, Etisa Murbawani **. 5.
- Perumal, V., Hamid, A. a, Ismail, A., Saari, K., Abas, F., Ismail, I. S., Lajis, N. H., & Khatib, A. (2014). Effect of *Cosmos Caudatus* Kunth Leaves on the Lipid Profile of a Hyperlipidemia-Induced Animal Model. *Journal of Food Chemistry and Nutrition*, *02*(01), 43–51.
- Rahman, H. A., Sahib, N. G., Saari, N., Abas, F., Ismail, A., Mumtaz, M. W., & Hamid, A. A. (2017). Anti-obesity effect of ethanolic extract from *Cosmos caudatus* Kunth leaf in lean rats fed a high fat diet. *BMC Complementary and Alternative Medicine*, *17*(1), 1–17. <https://doi.org/10.1186/s12906-017-1640-4>
- Rosyidah, D. U., Primayanti, Y. Q., & Satriyani, O. (2019). EFEK HIPOLIPIDEMIK EKSTRAK ETANOL LIDAH BUAYA (*Aloe vera* L) PADA TIKUS PUTIH JANTAN MODEL HIPERKOLESTEROLEMIA.

Biomedika, 11(1), 41. <https://doi.org/10.23917/biomedika.v11i1.7662>

Sarihati, I. G. A. D., & Dhyana Putri, I. G. A. S. (2020). Pengaruh Ekstrak Etanol

Daun Kenikir (*Cosmos caudatus*) terhadap Kadar Glutathion Dan Interleukin 6 Serum Tikus Wistar Jantan yang Diberi Pakan Tinggi Kolesterol. *Jurnal Kesehatan*, 11(1), 77. <https://doi.org/10.26630/jk.v11i1.1836>

Schofield, J. D., Liu, Y., Rao-Balakrishna, P., Malik, R. A., & Soran, H. (2016). Diabetes Dyslipidemia. *Diabetes Therapy*, 7(2), 203–219. <https://doi.org/10.1007/s13300-016-0167-x>

SIMATUPANG, L. (2018). *RESPON PERTUMBUHAN DUA VARIETAS TANAMAN KENIKIR (Cosmos caudatus Kunth.) TERHADAP IRADIASI SINAR GAMMA* (Vol. 2).

Siregar, R. N. I. (2015). The Effect of *Eugenia polyantha* Extract on LDL. *J Majority*, 4(5), 85–92.

Subandrate, susilawati, safyudin. (2019). Pendampingan Usaha Pencegahan dan Penanganan Hiperkolesterolemia Pada pelajar. *Jurnal Arsip Pengabdian Masyarakat*, 1(1), 1–7.

Suckling, K. (2014). Atherosclerosis. *Elsevier*, 1(c), 1–8. <https://doi.org/10.1016/B978-0-12-801238-3.00190-2>

Tandi, J., Ayu, G., & Nobertson, R. (2017). Uji Efek Ekstrak Etanol Daun Kenikir (*Cosmos caudatus* Kunth.) Terhadap Penurunan Kadar Kolesterol Pada Tikus Wistar (*Rattus norvegicus*) Hiperkolesterolemia-Diabetes. *Farmakologika: Jurnal Farmasi*, 14(2), 112–118.

Tandi, J., Claresta, J. A., Ayu, G., & Irwan, I. (2018). Effect Of Ethanol Extract Of Kenikir (*Cosmos caudatus* Kunth.) Leaves in Blood Glucose, Cholesterol and Histopathology Pancreas of Male White Rats (*Rattus norvegicus*). *Indonesian Journal of Pharmaceutical Science and Technology Journal Homepage*, 1, 70–78. <http://jurnal.unpad.ac.id/ijpst/UNPAD70>

Wisudanti, D. dwi. (2016). Literature Review: Therapeutic application of Geranin from Rambutan (*Nephelium lappaceum*) Peel extract as antihyperglycemic through its antioxidant activity in T2DM. *NurseLine Journal*, 1.

Yanai, H., & Yoshida, H. (2021). Secondary dyslipidemia: its treatments and association with atherosclerosis. *Global Health & Medicine*, 3(1), 15–23. <https://doi.org/10.35772/ghm.2020.01078>

Ye, J. (2017). Mechanisms of insulin resistance in obesity. *National Institutes of Health*, 27(2), 5–6. <https://doi.org/10.22478/ufpb.1809-4783.2017v27n2.35758>

- Yunarto, N., Aini, N., Oktoberia, I. S., Sulistyowati, I., & Kurniatri, A. A. (2019). Aktivitas Antioksidan serta Penghambatan HMG CoA dan Lipase dari Kombinasi Ekstrak Daun Binahong-Rimpang Temu Lawak. *Jurnal Kefarmasian Indonesia*, 9(2), 89–96. <https://doi.org/10.22435/jki.v9i2.1930>
- Zhang, X., Jin, Y., Wu, Y., Zhang, C., Jin, D., Zheng, Q., & Li, Y. (2018). Anti-hyperglycemic and anti-hyperlipidemia effects of the alkaloid-rich extract from barks of *Litsea glutinosa* in ob/ob mice. *Scientific Reports*, 8(1), 1–10. <https://doi.org/10.1038/s41598-018-30823-w>
- Zheng, Y., Ley, S. H., & Hu, F. B. (2017). Global aetiology and epidemiology of type 2 diabetes mellitus and its complications. *Nature Publishing Group*, 14(2), 88–98. <https://doi.org/10.1038/nrendo.2017.151>