

DAFTAR PUSTAKA

- Agustira, A., Darwis, I., Graharti, R., & Anggraini, D. I. (2019). Tanaman sambung nyawa (*Gynura procumbens*) sebagai antihiperglikemi. *Medula*, 9(2), 240–244.
- Aliya, L. S., & Arbata, D. (2019). Efektivitas Daun Sambung Nyawa (*Gynura procumbens* (Lour.) Merr.) Sebagai Antigloukoma Pada Tikus Putih Jantan Galur Wistar (*Rattus norvegicus* L.). *Sainstech Farma Jurnal Ilmu Kefarmasian*, 12(2), 118–122.
- Choi, S. I., Park, M. H., & Han, J. S. (2016). *Gynura procumbens* extract alleviates postprandial hyperglycemia in diabetic mice. *Preventive Nutrition and Food Science*, 21(3), 181–186. <https://doi.org/10.3746/pnf.2016.21.3.181>
- Choirunnisa, H., Rudiyanto, W., & Sutarto. (2019). Pengaruh Asupan Tinggi Fruktosa Terhadap Komplikasi Nefropati Diabetik Pada Penderita Diabetes Mellitus. *Medula*, 9(2), 314–322.
- Dadiono, M. S., & Andayani, S. (2022). Potensi tanaman binahongb (*Anredera cordifolia*) sebagai obat alternatif pada bidang akuakultur. *Jurnal Perikanan Pantura (JPP)*, 5(1), 156. <https://doi.org/10.30587/jpp.v5i1.3769>
- Desaangantaka. (2024). Daun binahong untuk jerawat. Retrieved from <https://desaangantaka.badungkab.go.id/artikel/54696-daun-binahong-untuk-jerawat->
- DiPiro, J. T., Yee, G. C., Posey, L. M., Haines, S. T., Nolin, T. D., & E., & (2020)., V.L. (2020). *Bone and Joint Infections. A Rational Approach to Clinical Infectious Diseases: A Manual for House Officers and Other Non-Infectious Diseases Clinicians*. <https://doi.org/10.1016/B978-0-323-69578-7.00013-2>
- DiPiro, J. T., Talbert, R. L., Yee, G. C., Matzke, G. R., Wells, B. G., & Posey, L. M. (2016). *Pharmacotherapy A Pathophysiologic Approach Edition 8th*.
- Dubale, S., Kebebe, D., Zeynudin, A., Abdissa, N., & Suleman, S. (2023). Phytochemical Screening and Antimicrobial Activity Evaluation of Selected Medicinal Plants in Ethiopia. *Journal of Experimental Pharmacology*, 15(February), 51–62. <https://doi.org/10.2147/JEP.S379805>
- Dwi Kusuma Wahyuni, Wiwied Ekasari Joko Ridho Witono, H. P. (2016). TOGA INDONESIA. Retrieved from

<https://books.google.co.id/books?id=guZwDwAAQBAJ&printsec=frontcover#v=onepage&q&f=false>

- Fukrapti, R., & Naqiyya, N. (2020). Rimpang Kunyit sebagai Terapi Pencegahan Neuropati Diabetika. *Jurnal Penelitian Perawat Profesional*, 2(2), 111–118. <https://doi.org/10.37287/jppp.v2i2.59>
- Hasiib, A., & Hartono, M. (2015). Pengaruh Pemberian Ekstrak Daun Binahong (*Anredera Cordifolia* (Ten.) Steenis) Dalam Air Minum Terhadap Performa Broiler the Effect of Heartleaf Maderavine Madevine Extract (*Anredera Cordifolia* (Ten.) Steenis) in Water on Performance of Broiler. *Jurnal Ilmiah Peternakan Terpadu*, 3(1), 14–22.
- Hayati, taman keanekaragaman, & Kujang, P. (2023). *Gynura procumbens* (Lour.) Merr. Retrieved from <https://kehati-pupukkujang.org/2023/11/17/gynura-procumbens-lour-merr/>
- Herman, R., Kravos, N. A., Jensterle, M., Janež, A., & Dolžan, V. (2022). Metformin and Insulin Resistance: A Review of the Underlying Mechanisms behind Changes in GLUT4-Mediated Glucose Transport. *International Journal of Molecular Sciences*, 23(3). <https://doi.org/10.3390/ijms23031264>
- Kartika, I. (2024). Efektivitas pemberian gel ekstrak daun kelor (*Moringa oliefera*) terhadap kepadatan kolagen pada proses penyembuhan luka pasca insisi pada mencit (*Mus musculus*). *Diss. Universitas Mahasaraswati Denpasar*, 8(Susilowati), 1–26. <https://doi.org/10.19087/imv.2019.8.4.456>
- Kemenkes. (2023). Survei Kesehatan Indonesia 2023 (SKI). *Kemenkes*, 235.
- Lee, S. H., Park, S. Y., & Choi, C. S. (2022). Insulin Resistance: From Mechanisms to Therapeutic Strategies. *Diabetes and Metabolism Journal*, 46(1), 15–37. <https://doi.org/10.4093/DMJ.2021.0280>
- Lestari, A. A. W. (2019). Resistensi Insulin : Definisi, Mekanisme, dan Pemeriksaan Laboratoriumnya. *Buku Ilmiah Clinical Pathology Update on SURAMADE*, 1, 1–8. Retrieved from <https://repositori.unud.ac.id/protected/storage/upload/repositori/ad31ce278a7564c52f74b34e9c5fa38e.pdf>
- Loranza, B. (2012). Aktivitas Antidislipidemia Ekstrak Etanol. *Uji Penghambat Aktivitas Enzim A-Glukosidase Dan Identifikasi Golongan Senyawa Kimia Dari Fraksi Teraktif Daun Buni (Antidesma Bunius L.)*.

- Ardiani, R., Nasution, H. M., & Tanjung, F. A. (2020). Uji Aktivitas Ekstrak Daun Binahong (*Anredera cordifolia* (Ten.) Steenis) Terhadap Kadar Gula Darah Mencit. *Prosiding Seminar Nasional Hasil Penelitian*, 3(1), 486.
- Ayu, P., Surbakti, A., Queljoe, E. De, & Boddhi, W. (2018). 1) , 1) , 1) 1), 7(3), 22–31.
- Baharuddin, B., Nurulita, A., & Arif, M. (2018). Uji Glukosa Darah Antara Metode Heksokinase Dengan Glukosa Oksidase Dan Glukosa Dehidrogenase Di Diabetes Melitus. *Indonesian Journal of Clinical Pathology and Medical Laboratory*, 21(2), 170–173. <https://doi.org/10.24293/ijcpml.v21i2.1102>
- Choirunnisa, H., Rudiyanto, W., & Sutarto. (2019). Pengaruh Asupan Tinggi Fruktosa Terhadap Komplikasi Nefropati Diabetik Pada Penderita Diabetes Mellitus. *Medula*, 9(2), 314–322.
- Dora, M. S. (2023). Pengaruh Pemberian Air Rebusan Daun Binahong Terhadap Penurunan Kadar Gula Darah Pada Penderita Diabetes Mellitus di Desa Kampung Baru Wilayah Kerja Puskesmas Pauh Pariaman. *As-Shiha Journal of Medical Research*, 4(2).
- Dwitiyanti, D., Harahap, Y., Elya, B., & Bahtiar, A. (2021). Binahong (*Anredera cordifolia* (Tenore) Steen.) Leaf Extract Modulates Fatty Acids and Amino Acids to Lower Blood Glucose in High-Fat Diet-Induced Diabetes Mellitus Rats. *Hindawi*. <https://doi.org/10.1155/2021/8869571>
- FHI. (2017). Formularies. *Pills and the Public Purse*, 97–103. <https://doi.org/10.2307/jj.2430657.12>
- Fitriyasti, B., Primawati, I., Ferilda, S., & Aranta, V. (2022). Efek ekstrak etanol daun sambung nyawa (*Gynura procumbens*) terhadap kadar glukosa darah pada mencit (*M. musculus*) yang diinduksi aloksan effect of ethanol extract of sambung nyawa folium (*Gynura procumbens*) on blood glucose levelsin aloksan induce. *Jurnal Kesehatan Medika Saintika*, 13(2), 257–264.
- Holter, M. M., Saikia, M., & Cummings, B. P. (2022). Alpha-cell paracrine signaling in the regulation of beta-cell insulin secretion. *Frontiers in Endocrinology*, 13(July), 1–14.<https://doi.org/10.3389/fendo.2022.934775>
- Ma, T., Tian, X., Zhang, B., Li, M., Wang, Y., Yang, C., ... Lin, S. C. (2022). Low-dose metformin targets the lysosomal AMPK pathway through PEN2. *Nature*, 603, 159–165. <https://doi.org/10.1038/s41586-022-04431-8>

- Mulyani, Y., Hasimun, P., Fazila, E., & Asfa, K. (2023). Antidiabetic and Antidyslipidemic Activities of Combined Bandotan (*Ageratum Conyzoides*) and Sambung Nyawa (*Gynura Procumbens*) Ethanol Extracts in Insulin-Resistant Rat Models. *Certified Journal | 1088 World Journal of Pharmaceutical Research SJIF Impact Factor 8.084*, 12(20), 1089. Retrieved from www.wjpr.net
- Mulyani, Y., Lado, A. S., & Sulaeman, A. (2021). Review : Kajian Aktivitas Antibakteri, Antiinflamasi dan Antioksidan dari Tanaman Sambung Nyawa (*Gynura Procumbens*). *Jurnal Mandala Pharmacon Indonesia*, 7(2), 123–142. Retrieved from www.jurnal-pharmaconmw.com/jmpi
- Oktavia, F. D., & Sutoyo, S. (2021). skrining fitokimia kandungan flavonoid total, dan aktivitas antioksidan ekstrak etanol tumbuhan *Selaginella doederleinii*. *Jurnal Kimia Riset*, 6(2), 141. <https://doi.org/10.20473/jkr.v6i2.30904>
- Restyana, N. (2015). Restyana Noor F|Diabetes Melitus Tipe 2 DIABETES MELITUS TIPE 2. *J Majority* |, 4, 93–101
- Safutri, W., Karim, D. D. A., & Fevinia, M. (2022). Skrining Fitokimia Simplisia di Kabupaten Pringsewu. *Jurnal Farmasi Universitas Aisyah Pringsewu*, 1(1), 23–27. Retrieved from <http://journal.aisyahuniversity.ac.id/index.php/JFA>
- Supriningrum, R., Ansyori, A. K., & Rahmasuari, D. (2020). KARAKTERISASI SPESIFIK DAN NON SPESIFIK SIMPLISIA DAUN KAWAU (*Millettia sericea*). *Al Ulum: Jurnal Sains Dan Teknologi*, 6(1), 12. <https://doi.org/10.31602/ajst.v6i1.3657>
- Susilawati, E., Levita, J., Susilawati, Y., & Sumiwi, S. A. (2024). Pengaruh Diet Tinggi Fruktosa Terhadap Resistensi Insulin Pada Tikus Jantan Putih (*Rattus norvegicus*) Galur Wistar Artikel Penelitian. *Jurnal Farmasi Indonesia*, 16(2), 150–156.
- Susilawati, E., Syihabbudin, N., & Kaniawati, M. (2025). Activity of Ethanol Extract of Kate Mas Leaves in Wistar Rats with Insulin Resistance Aktivitas Ekstrak Etanol Daun Kate Mas (*Euphorbia heterophylla* Desf.) pada Tikus Putih Jantan Galur Wistar yang Resistensi Insulin, 12, 74–80.
- Viollet, B., Guigas, B., Garcia, N. S., Leclerc, J., Foretz, M., & Andreelli, F. (2011). Cellular and molecular mechanisms of metformin: an overview. *Clinical Science*, 122(6), 253–270. <https://doi.org/10.1042/CS20110386>
- Zebua, D. P. L., Meldawati, Neswita, E., & Farsya, A. M. (2024). Uji Efektivitas Ekstrak Etanol Daun Sambung Nyawa (*Gynura Procumbens* (Lour) Merr.)

Sebagai Antidiabetes Terhadap Tikus Putih Jantan (*Rattus Norvegicus*) yang Diinduksi Aloksan. *Jurnal Mahasiswa Ilmu Farmasi Dan Kesehatan*, 2(3), 219–234.

- Mersi Suriani Sinaga, Putri Defriska Siagian, & Rika Ariska. (2017). Pemanfaatan ekstrak daun sambung nyawa (*Gynura Procumbens* [Lour.] Merr) sebagai antioksidan pada minyak kelapa menggunakan pelarut metanol. *Jurnal Teknik KimiaUSU*, 6(2), 41–47. <https://doi.org/10.32734/jtk.v6i2.1573>
- Vera, G., Astier, J., Landrier, J. F., & Miguel, M. (2018). High fat/high glucose diet induces metabolic syndrome in an experimental rat model. *Nutrients*, 10(10), 1–15. <https://doi.org/10.3390/nu10101502>
- Mou KM & Dash PR. (2016). a Comprehensive Review on *Gynura Procumbens* Leaves. *International Journal Of Pharmacognosy*, 1(February), 167–174. [https://doi.org/10.13040/IJPSR.0975-8232.IJP.3\(4\).167-174](https://doi.org/10.13040/IJPSR.0975-8232.IJP.3(4).167-174)
- Muflih, M., & Asmarani, F. L. (2019). Efek Teh Binahong (*Anredera Cordifolia* (Ten.) Stennis) Terhadap Penurunan Gula Darah Efek Teh Binahong (*Anredera Cordifolia* (Ten.) Stennis) Terhadap Penurunan Gula Darah Effect Of Binahong Tea (*Anredera Cordifolia* (Ten.) Stennis) On The Reduction Of Blood, 6.
- Mulyani, Y., Lado, A. S., & Sulaeman, A. (2021). Review : Kajian Aktivitas Antibakteri, Antiinflamasi dan Antioksidan dari Tanaman Sambung Nyawa (*Gynura Procumbens*). *Jurnal Mandala Pharmacon Indonesia*, 7(2), 123–142. Retrieved from www.jurnal-pharmaconmw.com/jmpi
- Nuralifah, Fitrawan, L. O. M., Parawansah, & Trisetia, M. (2022). Histopatologi Organ Pankreas Tikus DM tipe 2 yang. *Syifa Sciences and Clinical Research (JSSCR)*, 4(1), 141–151.
- 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(February), 100247. <https://doi.org/10.1016/j.medntd.2023.100247>
- PERKENI. (2011). Konsesus Pengolahan dan Pencegahan Diabetes Melitus Tipe 2 Diindonesia. *Perkeni 2011*, 1(69), 5–24.
- Reams, N., & Beltran, E. (2023). *Neurologic disorders. The Youth Athlete: A Practitioner's Guide to Providing Comprehensive Sports Medicine Care*. <https://doi.org/10.1016/B978-0-323-99992-2.00076-1>
- Restyana, N. (2015). Restyana Noor F|Diabetes Melitus Tipe 2 diabetes melitus

tipe 2. *J Majority* |, 4, 93–101. RI, K. (2023). *Formularies. Pills and the Public Purse*, 97–103.

Mou KM & Dash PR. (2016). a Comprehensive Review on *Gynura Procumbens* Leaves. *International Journal Of Pharmacognosy*, 1(February), 167–174. [https://doi.org/10.13040/IJPSR.0975-8232.IJP.3\(4\).167-174](https://doi.org/10.13040/IJPSR.0975-8232.IJP.3(4).167-174)

Muflih, M., & Asmarani, F. L. (2019). Efek Teh Binahong (*Anredera Cordifolia* (Ten.) Stennis) Terhadap Penurunan Gula Darah Efek Teh Binahong (*Anredera Cordifolia* (Ten.) Stennis) Terhadap Penurunan Gula Darah Effect Of Binahong Tea (*Anredera Cordifolia* (Ten.) Stennis) On The Reduction Of Blood, 6.

Mulyani, Y., Lado, A. S., & Sulaeman, A. (2021). Review : Kajian Aktivitas Antibakteri, Antiinflamasi dan Antioksidan dari Tanaman Sambung Nyawa (*Gynura Procumbens*). *Jurnal Mandala Pharmacon Indonesia*, 7(2), 123–142. Retrieved from www.jurnal-pharmaconmw.com/jmpi

Nuralifah, Fitrawan, L. O. M., Parawansah, & Trisetya, M. (2022). Histopatologi Organ Pankreas Tikus DM tipe 2 yang. *Syifa Sciences and Clinical Research (JSSCR)*, 4(1), 141–151.

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(February), 100247. <https://doi.org/10.1016/j.medntd.2023.100247>

PERKENI. (2011). Konsesus Pengolahan dan Pencegahan Diabetes Melitus Tipe 2 Diindonesia. *Perkeni 2011*, 1(69), 5–24.

Reams, N., & Beltran, E. (2023). *Neurologic disorders. The Youth Athlete: A Practitioner's Guide to Providing Comprehensive Sports Medicine Care*. <https://doi.org/10.1016/B978-0-323-99992-2.00076-1>

Restyana, N. (2015). Restyana Noor F|Diabetes Melitus Tipe 2 DIABETES MELITUS TIPE 2. *J Majority* |, 4, 93–101. RI, K. (2023). *Formularies. Pills and the Public Purse*, 97–103. RI, K. (2023). *Formularies. Pills and the Public Purse*, 97–103.

Rizkia, P., Jannah, A., & Hasanah, H. (2014). Uji efektivitas antioksidan ekstrak etanol 70 %, ekstrak dan isolat senyawa flavonois dalam umbi etanol (*Anredera cordifolia* (Ten.) Steenis). *Alchemy*, 3(1). <https://doi.org/10.18860/al.v0i1.2917>

Ryan Adriawan, I., Andrie, M., Susilowati, R., Pramono, S., & Endro Nugroho, A. (2014). Homa-IR index evaluation on antidiabetes melitus effect of

Andrographis paniculata (Burm. f.) Nees purified extract and andrographolide evaluasi efek antidiabetes melitus ekstrak terpurifikasi Andrographis paniculata (Burm. f.) Nees dan andrografolid de. *Traditional Medicine Journal*, 19(1), 2014.

Shabella, R. (2012). Terapi daun binahong : dahsyatnya khasiat daun binahong untuk menumpas penyakit. Retrieved from <https://library.bpk.go.id/koleksi/detil/jkpkbpkpp-p-12082>

Sulaeman, A., Mardianni, A., Yuniarto, A., Putra, M. Y., Bustanussalam, & Bayu, A. (2022). Effects of a combination of Sauropus androgynus L. leaf and Zingiber Ottensii rhizome on fatty acid profile and liver damage in rats. *Pharmacy Education*, 22(2), 9–15. <https://doi.org/10.46542/pe.2022.222.915>

Tan, H. L., Chan, K. G., Pusparajah, P., Lee, L. H., & Goh, B. H. (2016). *Gynura procumbens*: An overview of the biological activities. *Frontiers in Pharmacology*, 7(MAR). <https://doi.org/10.3389/fphar.2016.00052>

Wangsaatmadja, A. H., Ulfah, M., & Rospina, Y. (2022). Uji aktivitas antidiabetes ekstrak etanol herba suruhan (*Peperomia pellucida* (L.) Khunt) Ppada tikus wistra jantan yang diinduksi pakan tinngi lemak dan karbohidrat . *Jurnal Sains Dan Teknologi Farmasi Indonesia*, 10(1), 23. <https://doi.org/10.58327/jstfi.v10i1.200>

Webber, S. (2013). *International Diabetes Federation. Diabetes Research and Clinical Practice* (Vol. 102). <https://doi.org/10.1016/j.diabres.2013.10.013>

Widiastuti, T. C., Rahayu, T. P., Lestari, A., & Kinanti, A. P. (2023). Uji Aktivitas Antidiabetes Kombinasi Ekstrak Terstandar Daun Salam (*Syzigium polyanthum* Walp.) dan Daun Ganitri (*Elaeocarpus ganitri* Roxb.) Pada Tikus Putih (*Rattus norvegicus*) Jantan Galur Wistar yang Diinduksi Streptozotosin. *JPSCR: Journal of Pharmaceutical Science and Clinical Research*, 8(1), 92. <https://doi.org/10.20961/jpscr.v8i1.64765>

Wijayanti, A. R., & Qomariyah, N. (2023). Pengaruh Ekstrak Daun Mengkudu (*Morinda Citrifolia* L.) terhadap Kadar Hemoglobin dan Histopatologi Hepar Mencit Diabetes. *LenteraBio : Berkala Ilmiah Biologi*, 12(1), 14–24. <https://doi.org/10.26740/lenterabio.v12n1.p14-24>

Wulandari, N. L. W. E., Udayani, N. N. W., Dewi, N. L. K. A. A., Triansyah, G. A. P., Dewi, N. P. E. M. K., Wideasriani, I. A. P., & Prabandari, A. A. S. S. (2024). Artikel review: pengaruh pemberian induksi aloksan terhadap gula darah tikus. *Indonesian Journal of Pharmaceutical Education (e-Journal)*, 4(3), 2775–3670. <https://doi.org/10.37311/ijpe.v4i2.26494>

- Yasir, M., Mailoa, M., & Picauly, P. (2019). Karakteristik Organoleptik Teh Daun Binahong dengan Penambahan Kayu Manis. *Agritekno: Jurnal Teknologi Pertanian*, 8(2), 53–57.
<https://doi.org/10.30598/jagritekno.2019.8.2.53>
- Zamora, M., & Villena, J. (2014). Targeting Mitochondrial Biogenesis to Treat Insulin Resistance. *Current Pharmaceutical Design*, 20(35), 5527–5557.
<https://doi.org/10.2174/1381612820666140306102514>