DAFTAR PUSTAKA

Abbasian, F., Alavi, M. S., & Roohbakhsh, A. (2023). Dietary Carotenoids to Improve Hypertension. *Heliyon,* 9(8), 1-12.

Abi Aad, S., Pierce, M., Barmaimon, G., Farhat, F. S., Benjo, A., & Mouhayar, E. (2015). Hypertension Induced by Chemotherapeutic and Immunosuppresive Agents: A New Challenge. In *Critical Reviews in Oncology/Hematology*, 93(1), 28–35.

Abubakar, A. R., & Haque, M. (2020). Preparation of Medicinal Plants: Basic Extraction and Fractionation Procedures for Experimental Purposes. *Journal of Pharmacy and Bioallied Sciences*, 12(1), 1-10.

Achi, N. K., Eleazu, C. O., Onyeabo, C., Kalu, W., & Eleazu, K. (2024). *Syzygium malaccense* Leaves Methanol Extract Modulate Some Biochemical and Inflammatory Markers and Prostate Histology of Testosterone-Estradiol Valerate Induced Benign Prostatic Hyperplasia In Rats. *Avicenna Journal of Phytomedicine*, 14(3), 305–324.

Aronson, J. K. (2007). Concentration-Effect and Dose-Response Relations In Clinical Pharmacology. *British Journal of Clinical Pharmacolog,*. 63(3), 255–257.

Arumugam, B., Palanisamy, U. D., Chua, K. H., & Kuppusamy, U. R. (2016). Potential Antihyperglycaemic Effect of Myricetin Derivatives from *Syzygium malaccense*. *Journal of Functional Foods*, 22(4), 325–336.

Badan Pengawas Obat dan Makanan . (2023). *Pedoman Penyiapan Bahan Baku Obat Bahan Alam Berbasis Ekstrak/Fraksi*. Jakarta: Badan Pengawas Obat dan Makanan Republik Indonesia

Bairy, L. K. (2018). Evaluation of The Hypoglycemic, Hypolipidemic and Hepatic Glycogen Raising Effects of *Syzygium malaccense* Upon Streptozotocin Induced Diabetic Rats. *Journal of Natural Remedies*, 5(1), 46-51.

Batista, Â. G., da Silva, J. K., Betim Cazarin, C. B., Biasoto, A. C. T., Sawaya, A. C. H. F., Prado, M. A., & Maróstica Júnior, M. R. (2017). Red Jambo (*Syzygium malaccense*): Bioactive Compounds In Fruits and Leaves. *LWT*, 76(3), 284–291.

Blaustein, M. P., Leenen, F. H. H., Chen, L., Golovina, V. A., Hamlyn, J. M., Pallone, T. L., Van Huysse, J. W., Zhang, J., & Gil Wier, W. (2012). How NaCl Raises Blood Pressure: A New Paradigm for The Pathogenesis of Salt-Dependent Hypertension. *Am J Physiol Heart Circ Physiol*, 302(5), 1031–1049.

Brunton, L. L., & Knollmann, B. C. (Eds.). (2023). Goodman & Gilman's: *The Pharmacological Basis of Therapeutics* 14th Ed. Inggris: McGraw Hill

Brzezinski WA. *Blood Pressure.: The History, Physical, and Laboratory Examinations* 3rd Ed. Boston: Butterworths.

Campos Nunes, P., Kelly Sousa Barbosa, F., & Karina Caminha de Araújo Silva, A. (2022). Malay Apple (*Syzygium malaccense*) Promotes Changes In Lipid Metabolism and A Hepatoprotective Effect In Rats Fed A High-Fat Diet. *Food research international*, 155(11),1-9.

Chalik, R. (2016). *Anatomi Fisiologi Manusia*. Jakarta : Kemenkes RI

Chen, H., Xiao, H., & Pang, J. (2020). Parameter Optimization and Potential Bioactivity Evaluation of A Betulin Extract from White Birch Bark. *Plants*, 9(3), 392.

Datiles, M.J. (2022). *Syzygium malaccense* (Malay apple). Wallingford: CABI Compendium.

Daugherty, A., Rateri, D., Hong, L., & Balakrishnan, A. (2009). Measuring Blood Pressure In Mice Using Volume Pressure Recording, A Tail-Cuff Method. *Journal of Visualized Experiments*, 15(27), 1291-1301.

Delong C, Sharma S. Physiology, Peripheral Vascular Resistance. [Updated 2023 May 1]. In: StatPearls [Internet]. Treasure Island (FL): StatPearls Publishing

DeMers D, Wachs D. Physiology, Mean Arterial Pressure. (2023). In: StatPearls [Internet]. Treasure Island (FL): StatPearls Publishing

Dipiro, Joseph T. Barbara G. Wells, Terry L.. Schwingh34n ammer, and Cecily V Dipiro. (2009). *Pharmacotherapy Handbook* 7th Ed. Inggris: McGraw-Hill Education.

Dipiro, Joseph T. Barbara G. Wells, Terry L.. Schwingh34n ammer, and Cecily V Dipiro. (2020). *Pharmacotherapy Handbook* 11th Ed. Inggris: McGraw-Hill Education.

Doke, S. K., & Dhawale, S. C. (2015). Alternatives to Animal Testing: A Review. *Saudi Pharmaceutical Journal*, 23(3), 223–229.

Domitrović, R., Rashed, K., Cvijanović, O., Vladimir-Knežević, S., Škoda, M., & Višnić, A. (2015). Myricitrin Exhibits Antioxidant, Anti-Inflammatory and Antifibrotic Activity In Carbon Tetrachloride-Intoxicated Mice. *Chemico-Biological Interactions*, 230, 21–29.

Ellis, D. (2011). *Smith's Anesthesia for Infants and Children* 8th Ed. Philadelphia: Elsevier

Emilia, I., Setiawan, A. A., Novianti, D., Mutiara, D., & Rangga, R. (2023). Skrining Fitokimia Ekstrak Daun Sungkai (*Peronema canescens* Jack.) Secara Infundasi dan Maserasi. *Indobiosains*, 5(2), 95-102.

Endarin, L. (2016). *Farmakognosi dan Fitokima*. Jakarta Selatan : Pusdik SDM Kesehatan.

Evania, A., & Rakainsa, S. K. (2023). Antibacterial Activity Peel-Off Mask Ethanol Extract of Pomegranate Peel (*Punica granatum* L.) Against *Staphylococcus epidermidis* and *Staphylococcus aureus*. *Journal of Science and Technology Research for Pharmacy*, 1(1), 1–15.

Fardet, L., Nazareth, I., & Petersen, I. (2015). Synthetic Glucocorticoids and Early Variations of Blood Pressure: A Population-Based Cohort Study. *Journal of Clinical Endocrinology and Metabolism*, 100(7), 2777–2783.

Febrina, D. A. (2021). *Pengaruh Pemberian Ekstrak Etanol Daun Sungkai (Peronema canescens Jack.) Terhadap Tekanan Darah Dan Laju Jantung Pada Tikus Putih Jantan Hipertensi* (Skripsi, Universitas Andalas). Universitas Andalas Repository.

Flack, J. M., & Adekola, B. (2020). Blood Pressure and The New ACC/AHA Hypertension Guidelines. In *Trends in Cardiovascular Medicine*, 30(3),160-164.

Fountain JH, Kaur J, Lappin SL. Physiology, Renin Angiotensin System. 2023 Mar 12. In: StatPearls [Internet]. Treasure Island (FL): StatPearls Publishing

Gebreyohannes, E. A., Bhagavathula, A. S., Abebe, T. B., Tefera, Y. G., & Abegaz, T. M. (2019). Adverse Effects and Non-Adherence to Antihypertensive Medications In University of Gondar Comprehensive Specialized Hospital. *Clinical Hypertension*, 25(1), 1-9.

Guyton A.C., H. J. E. (2014). *Guyton and Hall Textbook of Medical Physiology*. Jakarta: EGC

Hainil, S., Syukrillah, G., & Harahap, J. (2024). Potensi Fraksi Daun Jambu Bol (*Syzygium malaccence* (L) Merr. & Perry) dalam Mengatasi *Candida albicans*. *Papua Medicine and Health Science*, 1(1), 9-22.

Hamzah, B., Rahmawati, S., Suwena, W. S., Hardani, M. F., & Hardani, R. (2020). Analysis of Tannin In Sapodilla Fruit (*Manilkara zapota* (l) van royen). *Rasayan Journal of Chemistry*, 13(4), 2243-2248.

Handoyo, D. L. Y. (2020). The Influence of Maseration Time (Immeration) on the Vocity of Birthleaf Extract (*Piper betle*). *J Farmasi Tinctura*, 2(1), 34-41.

Hanover, J. (2023). Assessing The Strengths and Limitations of Non-Invasive Blood Pressure Measurement. *The Journal of Clinical Hypertension*, 25(7), 965–966.

Harbone, J. 1987. *Metode Fitokimia: Penuntun Cara Modern Menganalisis*, Edisi II. Bandung: ITB press.

Harrison, D. G., Coffman, T. M., & Wilcox, C. S. (2021). Pathophysiology of Hypertension: The Mosaic Theory and Beyond. *Circulation Research*, 128(7), 847–863.

Huda, B., Kumala, S., & Hasan, D. (2020). Analisis Ketersediaan Obat Antihipertensi dan Pengaruhnya terhadap Pengobatan Pasien Hipertensi Di Puskesmas Kota Bandar Lampung. *Jurnal Ilmiah Indonesia*, 5(6), 34-49

Jin, L., Piao, Z. H., Sun, S., Liu, B., Kim, G. R., Seok, Y. M., Lin, M. Q., Ryu, Y., Choi, S. Y., Kee, H. J., & Jeong, M. H. (2017). Gallic Acid Reduces Blood Pressure and Attenuates Oxidative Stress and Cardiac Hypertrophy In Spontaneously Hypertensive Rats. *Scientific Reports*, 7(1), 1-14.

Katzung, Bertram G. (2012). *Farmakologi Dasar dan Klinik*, Edisi 10. Jakarta: EGC.

Kemenkes RI. (2017). *Farmakope Herbal Indonesia*, Edisi II. Jakarta: Kementerian Kesehatan RI.

Kemenkes RI. (2021). Klasifikasi Tekanan Darah. Melalui https://sehatnegeriku.kemkes.go.id/hipertensi/

Kissinger, Huldani, H., & Nasrulloh, A. V. (2024). Improving Simplicia of Kerangas Forest by Minimizing Microbial Content Under Ultraviolet Radiation Treatment. Proceedings of the National Academy of Sciences, India Section B: *Biological Sciences*, 94(1), 101-106.

Khalil H, Zeltser R. Antihypertensive Medications. (2023). Treasure Island (FL): StatPearls Publishing; 2024 Jan-. Available from: https://www.ncbi.nlm.nih.gov/books/NBK554579/

Kodela, P., Okeke, M., Guntuku, S., Lingamsetty, S. S. P., & Slonovschi, E. (2023). Management of Hypertension With Non-pharmacological Interventions: A Narrative Review. *Cureus*. 15(8), 1-10.

Kowalski, S., Goniewicz, K., Moskal, A., Al-Wathinani, A. M., & Goniewicz, M. (2023). Symptoms in Hypertensive Patients Presented to The Emergency Medical Service: A Comprehensive Retrospective Analysis in Clinical Settings. *Journal of Clinical Medicine*, 12(17), 5495-5502.

Kurnianto, E., Rahman, I. R., & Hairunnisa, H. (2021). Skrining Fitokimia Ekstrak Etanol Daun Matoa Yang Berasal dari Pontianak Timur dengan Variasi Konsentrasi Pelarut. *Jurnal Komunitas Farmasi Nasional*, 1(2), 131-138.

Landazuri, P., Chamorro, N. L., & Cortes, B. R. (2017). Medicinal Plants Used In The Management Hypertension. *Journal of Analytical & Pharmaceutical Research*, 5(2), 228-229.

Laoli, N. S. (2018). *Uji aktivitas antibakteri ekstrak etanol daun bandotan (Ageratum conyzoides L.) terhadap bakteri Bacillus substilis dan Proteus vulgaris* (Skripsi, Universitas Sumatera Utara).

Li, H., Xu, T. Y., Li, Y., Chia, Y. C., Buranakitjaroen, P., Cheng, H. M., Van Huynh, M., Sogunuru, G. P., Tay, J. C., Wang, T. D., Kario, K., & Wang, J. G. (2022). Role of α1-Blockers In The Current Management of Hypertension. *Journal of clinical hypertension (Greenwich, Conn.)*, 24(9), 1180–1186.

Ma, J., & Chen, X. (2022). Advances In Pathogenesis and Treatment of Essential Hypertension. In *Frontiers in Cardiovascular Medicine*, 9(1), 1-12.

Maaliki, D., Shaito, A. A., Pintus, G., El-Yazbi, A., & Eid, A. H. (2019). Flavonoids In Hypertension: A Brief Review of The Underlying Mechanisms. In *Current Opinion in Pharmacology*, 45,(57–65).

Marliana, S.D., & Saleh, C. (2011). Uji Fitokimia dan Aktivitas Antibakteri Ekstrak Kasar Etanol, Fraksi n-Heksana, Etil asetat, dan Metanol dari Buah Labu Air (*Lagenari siceraria* (Morliana). *J. Kimia Mulawarman*, 8(2): 39-63.

Mendes, R. F., Bellozi, P. M. Q., Mota Conegundes, J. L., Fernandes, M. F., Pinto, N. C. C., Da Silva, J. M., Da Costa, J. C., Chedier, L. M., Dias, A. C. P., & Scio, E. (2021). In Vivo Anti-Inflammatory and Antinociceptive Effects, and In Vitro Antioxidant, Antiglycant and Anti-Neuroinflammatory Actions of *Syzygium malaccense*. *Anais Da Academia Brasileira de Ciencia*, 93(1), 4-19.

Muharrami, L. K., Munawaroh, F., Ersam, T., & Santoso, M. (2020). Phytochemical Screening of Ethanolic Extract: a Preliminary Test on Five Medicinal Plants on Bangkalan. *Jurnal Pena Sains*, *7*(2), 96-102.

Musdalipah, M., Mahatya, Y. A. W., Karmilah, K., Austin, T. S., Reymon, R., Saadah, D. N., & Agustini, A. (2022). Toksisitas Akut dan Lethal Dose (LD50) Ekstrak Buah Walay (*Meistera chinensis*) Asal Sulawesi Tenggara terhadap Mencit (*Mus musculus*). *Pharmacoscript*, 5(2), 186-200.

Mutiarahmi, C. N., Hartady, T., & Lesmana, R. (2021). Penggunaan Mencit Sebagai Hewan Coba di Laboratorium yang Mengacu pada Prinsip Kesejahteraan Hewan. *Indonesia Medicus Veterinus*, 10(1), 134–145.

Nugroho, A. (2017). *Buku Ajar Teknologi Bahan Alam*. Banjarmasin: Lambung Mangkurat University Press.

Nugroho, S. W., Fauziyah, K. R., Sajuthi, D., & Darusman, H. S. (2018). Profil Tekanan Darah Normal Tikus Putih (*Rattus norvegicus*) Galur Wistar dan Sprague-Dawley (The Profile of Normal Blood Pressure Laboratory Rat (*Rattus norvegicus*) Strain Wistar and Sprague-Dawley). *Acta Veterinaria Indonesiana*, 6(2), 32–37.

Nurcholis, P. W., Mahendra, F. R., Gultom, M. F., Khoirunnisa, S., Kurnia, M. A. C., & Harahap, H. H. (2022). Skrining Fitokimia, Antioksidan, dan Antibakteri

Ekstrak Daun *Orthosiphon stamineus* Dua Fenotipe. *Jurnal Jamu Indonesia*, 3(2), 45–52

Nurfitri, M. M., De Queljoe, E., Datu, O. S., Studi, P., Fmipa, F., & Manado, U. (2021). Uji Efek Analgetik Ekstrak Etanol Daun Kumis Kucing (*Ortosiphon aristatus* (Blume) Miq.) terhadap Tikus Putih Jantan. *Pharmacon*, 10(4), 1155–1161.

Parasuraman, S., & Raveendran, R. (2012). Measurement of Invasive Blood Pressure In Rats. *Journal of Pharmacology and Pharmacotherapeutics,* 3(2), 172-177.

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.

Putri, T. U., Marcellia, S., & Septiani, L. (2022). Uji Efektivitas Repelan Ekstrak Daun Jambu Bol (*Syzygium malaccense* L.) dalam Sediaan Spray terhadap Nyamuk *Aedes Aegypti*. *Lambung Mangkurat Medical Seminar* 3(1), 186-196.

Rafida, M., Safitri, A. H., & Tyagita, N. (2021). Effect of *Averrhoa Bilimbi* Fruit Extract on Blood Pressure And Mean Arterial Pressure of Nacl Induced Hypertensive Rats. *Bangladesh Journal of Medical Science*, 20(3), 631–636.

Rakhmawatie, M. D., & Marfu'ati, N. (2023). Pembuatan Simplisia dan Teknik Penyiapan Obat Tradisional Jahe Merah dan Daun Pepaya untuk Standardisasi Dosis. Berdikari: *Jurnal Inovasi dan Penerapan Ipteks*, 11(1), 12-24.

Rejeki, P. S., Putri, E. A. C., & Prasetya, R. E. (2018). *Ovariektomi pada Tikus dan Mencit.* Surabaya: Airlangga University Press.

Ren, T., Zhu, X., Jusko, N. M., Krzyzanski, W., & Jusko, W. J. (2022). Pharmacodynamic Model of Slow Reversible Binding and Its Applications in Pharmacokinetic/Pharmacodynamic Modeling: Review and Tutorial. *Journal of Pharmacokinetics and Pharmacodynamics*, 49(5), 493–510.

Riwanti, P., Izazih, F., & Amaliyah, A. (2020). Pengaruh Perbedaan Konsentrasi Etanol pada Kadar Flavonoid Total Ekstrak Etanol 50, 70 dan 96% *Sargassum polycystum* dari Madura. *Journal of Pharmaceutical Care Anwar Medika*. 2(2), 8295-8304.

Riyanto, & Haryanto, Y. (2023). *Pengaruh Lama Penyimpanan Ekstrak terhadap Kadar Pinostrobin Dalam Ekstrak Etanol Temukunci (Kaemferia pandurata, Roxb).*Yogyakarta: Universitas Islam Indonesia

Rocchetti, G., Lucini, L., Ahmed, S. R., & Saber, F. R. (2019). *In Vitro* Cytotoxic Activity of Six Syzygium Leaf Extracts As Related to Their Phenolic Profiles: An Untargeted UHPLC-QTOF-MS Approach. *Food Research International*, 126(3*)*, 1-32.

Santosa, A., Purnawarman, T., Mustika, A. A., Rahma, A., & Lina Noviyanti Sutardi. (2023). Efektivitas Infusa Buah Jambu Bol (*Syzygium malaccense*) sebagai Antidiare pada Mencit (*Mus musculus*). *Current Biomedicine*, 2(1), 21–28.

Senduk, T. W., Montolalu, L. A., & Dotulong, V. (2020). The Rendement of Boiled Water Extract of Mature Leaves of Mangrove *Sonneratia Alba*. *Jurnal Perikanan Dan Kelautan Tropis*, 11(1), 9-15.

Shargel, L., Wu-Pong, S., & Yu, A. B. C. (2012). *Applied biopharmaceutics & pharmacokinetics* 6th Ed. Inggris: McGraw-Hill Medical.

Siregar, H. D., Wassalwa, M., Janani, K., & Harahap, I. S. (2024). Analisis Uji Hipotesis Penelitian Perbandingan menggunakan Statistik Parametrik. *Al Ittihadu*, 3(1), 1-12.

Stuart, S. A., & Robinson, E. S. J. (2015). Reducing The Stress of Drug Administration: Implications For The 3Rs. *Scientific Reports*, 5(14288), 1-7.

Sucfindo conservation. 2020. Syzygium malaccense L.Merr & L.M. Perry.

Suhendi, A., Sutrisna, dan E., Kimia Farmasi, B., Farmasi, F., Muhammadiyah Surakarta, U., & Biologi Farmasi, B. (2014). Uji Praklinik Antihiperurisemia Secara *In Vivo* pada Mencit Putih Jantan Galur Balb-C Dari Ekstrak Daun Salam (*Syzigium polyanthum* Walp) dan Daun Belimbing Wuluh (*Averrhoa bilimbi* L.). *Biomedika*, 6(1), 17–23.

Thomson, L., Doran, J., & Clarke, B. (2018). *Trees For Life in Oceania Conservation and Utilisation of Genetic Diversity*. Australia: Australian Government

Touyz, R. M. (2014). *Cellular and Molecular Pathobiology of Cardiovascular Disease*: *Blood Pressure Regulation and Pathology*. Cambridge: Academic Press.

Turama, D. E., Bodhi, W., & Jayanto, I. (2020). Uji Efek Analgesik Ekstrak Etanol Daun Kucai (*Allium tuberosum*) pada Tikus Putih Jantan (*Rattus norvegicus*). *Pharmacon*, 9(3), 413-418.

Uddin, A. B. M. N., Hossain, F., Reza, A. S. M. A., Nasrin, M. S., & Alam, A. H. M. K. (2022). Traditional Uses, Pharmacological Activities, and Phytochemical Constituents of The Genus Syzygium: A review. In *Food Science and Nutrition*. 10(6),1789–1819.

Vadu, S., Modi, N. R., Prajapati, M., & Student, P. G. (2023). A Review On Phytochemistry and Traditional Therapeutic Benefits of *Syzygium malaccense* (L.). *International & Peer-Reviewed Journal*, 2(1), 275–286.

Wadhwa RR, Cascella M. Steady State Concentration. [Updated 2023 Mar 6]. In: StatPearls [Internet]. Treasure Island (FL): StatPearls Publishing

Wang Y, Thatcher SE, Cassis LA. Measuring Blood Pressure Using a Noninvasive Tail Cuff Method in Mice. *Methods in Molecular Biology*, 161(4), 69–73.

Wagner, H., & Ulrich-Merzenich, G. (2009). Synergy research: Approaching A New Generation of Phytopharmaceuticals. *Phytomedicine*, 16(2), 97–110.

Walid, M., Endriyatno, N. C., & Amalia, R. (2023). Uji Aktivitas Antihiperurisemia Ekstrak Buah Kersen Hijau (*Muntingia calabura* L.) Pada Tikus Jantan Putih Galur Wistar. *Forte Journal*, 3(2), 134-140.

Weiner, M., Warren, L., & Fiedorowicz, J. G. (2011). Cardiovascular Morbidity and Mortality in Bipolar Disorder. *Annals of Clinical Psychiatry*, 23(1), 40–47.

Weir, M. R. (2020). Reserpine: A New Consideration of An Old Drug for Refractory Hypertension. *American Journal of Hypertension*, 33(8), 708–710.

Whelton, P. K., Flack, J. M., Jennings, G., Schutte, A., Wang, J., & Touyz, R. M. (2023). Editors' Commentary on the 2023 ESH Management of Arterial Hypertension Guidelines. *Hypertension*, 80(9), 1795–1799.

WHO. (2023). Hypertension. Available at: https://www.who.int/news-room/fact-sheets/detail/hypertension

Wijaya, H., Jubaidah, S., & Rukayyah. (2022). Perbandingan Metode Ekstraksi Maserasi Dan Sokhletasi Terhadap Randemen Ekstrak Batang Turi (*Sesbania grandiflora* L.). *Indonesian Journal Of Pharmacy and Natural Product*, 5(1), 1-11.

Wowor, M. G. G., Tampara, J., Suryanto, E., & Momuat, L. I. (2022). Skrining Fitokimia dan Uji Antibakteri Masker Peel-Off Ekstrak Etanol Daun Kalu Burung (*Barleria prionitis* L.). *Jurnal Ilmiah Sains*, 22(1), 75-86.

Younis, N. S., & Mohamed, M. E. (2019). β-Caryophyllene As A Potential Protective Agent Against Myocardial Injury: The Role of Toll-Like Receptors. *Molecules,* 24(10), 1929.

Yusnita, Jamaludin, Agustiansyah, & Hapsoro, D. (2018). A Combination of IBA and NAA Resulted In Better Rooting and Shoot Sprouting Than Single Auxin n Malay Apple [*Syzygium malaccense* (L.) Merr. & Perry] Stem Cuttings. *Agrivita*, 40(1), 80–90.