

DAFTAR PUSTAKA

- Adhityasmara, D. and Ramonah, D. 2022 ‘Efek Hepatoprotektor Ekstrak Etanol Batang Bajakah Tampala (*Spatholobus littoralis* Hassk) pada Tikus yang Diinduksi Isoniazid’, *Jurnal Ilmiah Sains*, 22(1), p. 40. Available at: <https://doi.org/10.35799/jis.v22i1.36293>.
- Ahmad, Z. and Damayanti, D. 2018 ‘Penuaan Kulit: Patofisiologi dan Manifestasi Klinis (Skin Aging: Pathophysiology and Clinical Manifestation)’, *Berkala Ilmu Kesehatan Kulit dan Kelamin - Periodical of Dermatology and Venereology*, 30(3), pp. 208-215. Available at: <https://doi.org/https://doi.org/10.20473/bikk.V30.3.2018.208-215>.
- Andersen, M.L. and Winter, L.M.F. 2019 ‘Animal Models in Biological and Biomedical Research: Experimental and Ethical Concerns’, *Annals of the Brazilian Academy of Sciences*, 91(suppl 1), pp. 1-14. Available at: <https://doi.org/10.1590/0001-3765201720170238>.
- Aziz, J. *et al.* 2016 ‘Molecular Mechanisms of Stress-Responsive Changes in Collagen and Elastin Networks in Skin’, *Skin Pharmacology and Physiology*. S. Karger AG, pp. 190-203. Available at: <https://doi.org/10.1159/000447017>.
- Bernatoniene, J. and Kopustinskiene, D.M. 2018 ‘The Role of Catechins in Cellular Responses to Oxidative Stress’, *Molecules*, 23(4), p. 965. Available at: <https://doi.org/10.3390/molecules23040965>.
- Bo-Htay, C. *et al.* 2018 ‘Effects of D-Galactose Induced Aging on the Heart and Its Potential Interventions’, *Journal of Cellular and Molecular Medicine*. Blackwell Publishing Inc., pp. 1392-1410. Available at: <https://doi.org/10.1111/jcmm.13472>.
- Cai, N., Wu, Y. and Huang, Y. 2022 ‘Induction of Accelerated Aging in a Mouse Model’, *Cells*. MDPI, pp. 1-25. Available at: <https://doi.org/10.3390/cells11091418>.
- Chalise, H.N. 2019 ‘Aging: Basic Concept’, *American Journal of Biomedical Science & Research*, 1(1), pp. 8-10. Available at: <https://doi.org/10.34297/ajbsr.2019.01.000503>.
- Chen, C. *et al.* 2022 ‘Advanced Glycation End Products in the Skin: Molecular Mechanisms, Methods of Measurement, and Inhibitory Pathways’, *Frontiers in Medicine*, 9(837222), pp. 1-17. Available at: <https://doi.org/10.3389/fmed.2022.837222>.
- Chen, H. *et al.* 2022 ‘Anti-Aging Effect of Phlorizin on D-Galactose-Induced Aging in Mice Through Antioxidant and Anti-Inflammatory Activity,

- Prevention of Apoptosis, and Regulation of the Gut Microbiota', *Experimental Gerontology*, 163. Available at: <https://doi.org/10.1016/j.exger.2022.111769>.
- Chen, J. *et al.* 2020 'The Association Between Dietary and Skin Advanced Glycation End Products: The Rotterdam Study', *The American Journal of Clinical Nutrition*, 112(1), pp. 129-137. Available at: <https://doi.org/10.1093/ajcn/nqaa117>.
- Farhan, Z., Budi, M.S. and Syamsir, E. 2017) 'Efek Pemberian Vitamin C terhadap Mikroskopis Ginjal Tikus Wistar yang Terpapar Plumbum Asetat', *Jurnal Kesehatan Andalas*, 6(2), pp. 417-422. Available at: <https://doi.org/10.25077/jka.v6.i2.p417-422.2017>.
- Fitriani, A. 2019 'Fenomena Kayu Bajakah dalam Kajian Hukum Perlindungan Konsumen dan Hukum Islam', in *Proceeding Antasari International Conference*, pp. 178-196. Available at: <https://www.disway.id/r>.
- Gracia-Cazaña, T. *et al.* 2020 'Influence of the Exposome on Skin Cancer', *Actas Dermo-Sifiliográficas*, 111(6), pp. 460-470. Available at: <https://doi.org/10.1016/J.AD.2020.04.008>.
- Gu, Y. *et al.* 2020 'Biomarkers, Oxidative Stress, and Autophagy in Skin Aging', *Ageing Research Reviews*, 59, p. 101036. Available at: <https://doi.org/10.1016/J.ARR.2020.101036>.
- Hamzah, Dr.H. *et al.* 2022 *Tumbuhan Bajakah Kalimantan (Spatholobus littoralis Hassk)*. Samarinda: CV. Penulis Cerdas Indonesia.
- He, X. *et al.* 2023 'Research Progress on Skin Aging and Active Ingredients', *Molecules*. Multidisciplinary Digital Publishing Institute (MDPI). Available at: <https://doi.org/10.3390/molecules28145556>.
- Heinz, A. 2020 'Elastases and Elastokines: Elastin Degradation and Its Significance in Health and Disease', *Critical Reviews in Biochemistry and Molecular Biology*. Denmark: Taylor and Francis Ltd, pp. 252-273. Available at: <https://doi.org/10.1080/10409238.2020.1768208>.
- Heinz, A. 2021 'Elastic Fibers During Aging and Disease', *Ageing Research Reviews*, 66, p. 101255. Available at: <https://doi.org/10.1016/J.ARR.2021.101255>.
- Hou, J. *et al.* 2019 'D-Galactose Induces Astrocytic Aging and Contributes to Astrocytoma Progression and Chemoresistance via Cellular Senescence', *Molecular Medicine Reports*, 20(5), pp. 4111-4118. Available at: <https://doi.org/10.3892/mmr.2019.10677>.

- Iskandar, D. and Warsidah, W. 2020 'Qualitative Phytochemical Screening and Antioxidant Activity of Ethanol Root Extract of *Spatholobus littoralis* Hassk', *The Journal of Food and Medicinal Plants*, 1(1), pp. 13-15. Available at: <https://doi.org/10.25077/jfmp.1.1.13-15.2020>.
- Istiqomah and Safitri, D. 2021 'Pharmacological Activities of *Spatholobus littoralis*', *Jurnal Info Kesehatan*, 11(2), pp. 463-469.
- Jung, W.K. *et al.* 2021 'Advanced Glycation End Products Increase Salivary Gland Hypofunction in D-Galactose-Induced Aging Rats and Its Prevention by Physical Exercise', *Current Issues in Molecular Biology*, 43(3), pp. 2059-2067. Available at: <https://doi.org/10.3390/cimb43030142>.
- Krutmann, J. *et al.* 2021 'Environmentally-Induced (Extrinsic) Skin Aging: Exposomal Factors and Underlying Mechanisms', *Journal of Investigative Dermatology*. Elsevier B.V., pp. 1096-1103. Available at: <https://doi.org/10.1016/j.jid.2020.12.011>.
- Laurence, D.R. and Bacharach, A.L. 1964 *Evaluation of Drug Activities*. Elsevier. Available at: <https://doi.org/10.1016/C2013-0-12092-2>.
- Lee, K.H. *et al.* 2017 'Molecular Characterization of Glycation-Associated Skin Ageing: An Alternative Skin Model to Study In Vitro Antiglycation Activity of Topical Cosmeceutical and Pharmaceutical Formulations', *British Journal of Dermatology*, 176(1), pp. 159-167. Available at: <https://doi.org/10.1111/bjd.14832>.
- Li, J. *et al.* 2017 'A Comparative Study of Anti-Aging Properties and Mechanism: Resveratrol and Caloric Restriction', *Oncotarget*, 8(39), pp. 65717-65729. Available at: <https://doi.org/10.18632/oncotarget.20084>.
- Lili Andriani *et al.* 2023 'Uji Toksisitas Akut LD50 Ekstrak Batang Bajakah Tampala (*Spatholobus littoralis* Hassk.) dan Batang Bajakah Kuning (*Arcangelisia flava* (L.) Merr.) pada Mencit Putih (*Mus musculus*)', *Medical Sains : Jurnal Ilmiah Kefarmasian*, 8(1), pp. 337-344. Available at: <https://doi.org/10.37874/ms.v8i1.537>.
- Limbert, G. *et al.* 2019 'Biotribology of the Aging Skin-Why We Should Care', *Biotribology*, 17, pp. 75-90. Available at: <https://doi.org/10.1016/j.biotri.2019.03.001>.
- Merdita, M., Febriyanti, R. and Amananti, W. 2023 'Determination of IC50 Root Extracts of Bajakah Tampala (*Spatholobus littoralis* Hassk) and Kalalawit (*Uncaria gambir* Roxb) Using DPPH Method', *Jurnal Ilmiah Teknik Kimia*, 7(1), pp. 21-28. Available at: <https://doi.org/10.32493/jitk.v7i1.25106>.

- Murlistyarini, S. and Amalia Dani, A. 2022 'Peran Matriks Metaloproteinase (MMP) pada Proses Photoaging', *Journal of Dermatology, Venereology and Aesthetic*, pp. 13-21. Available at: <http://jdva.ub.ac.id> (Accessed: 9 August 2024).
- Ninkaew, S. and Chantaranothai, P. 2014 *The Genus Spatholobus Hassk. (Leguminosae-Papilionoideae) in Thailand, Tropical Natural History*.
- Noval *et al.* 2020 'Hand Sanitizer Product Innovation of Bajakah's Root As Prevention Measurement In Covid-19 Pandemic', *Logista-Jurnal Ilmiah Pengabdian Kepada Masyarakat*, 4(2), pp. 305-312. Available at: <https://doi.org/DOI:https://doi.org/10.25077/logista.4.2.305-312.2020>.
- Novanty, V., Pangkahila, W. and Dewi, N.N.A. 2021 'Administration of Ethanol Extract of Bajakah Tampala (*Spatholobus littoralis* Hassk) Stem Decreased Reactive Oxygen Species, Visceral Fat, and Body Weight of Obese Rats', *Neurologico Spinale Medico Chirurgico*, 4(1), pp. 32-36. Available at: <https://doi.org/10.36444/nsmc.v4i1.150>.
- Nugroho, W., Rosmainar, L. and Toepak, E.P. 2023 'Skrining Fitokimia Dan Uji Antioksidan Menggunakan Metode Dpph Pada Ekstrak Metanol Buah Terung Asam Besar (*Solanum ferox* Linn)', *Jurnal Crystal : Publikasi Penelitian Kimia dan Terapannya*, 5(1), pp. 30-39. Available at: <https://doi.org/10.36526/jc.v5i1.2590>.
- Nurfitri, M.M. *et al.* 2021 'The Test Of Analgetic Effects of Ethanol Extracts of Kumis Kucing Leaves (*Ortosiphon aristatus* (Blume) Miq.) on Rattus novergicus Uji Efek Analgetik Ekstrak Etanol Daun Kumis Kucing (*Ortosiphon aristatus* (Blume) Miq.) Terhadap Tikus Putih Jantan', *pharmakon*, 10(4), pp. 1155-1161. Available at: <https://doi.org/doi:https://doi.org/10.35799/pha.10.2021.37413>.
- Nursyafitri, D., Ferdinan, A. and Rizki, F.S. 2021 'Skrining Fitokimia dan Parameter Non Spesifik Ekstrak Etanol Akar Bajakah (*Spatholobus littoralis* Hassk.)', *Jurnal Farmasi IKIFA*, 1(1), pp. 64-73.
- Parrado, C. *et al.* 2019 'Environmental Stressors on Skin Aging. Mechanistic Insights', *Frontiers in Pharmacology*. Frontiers Media S.A. Available at: <https://doi.org/10.3389/fphar.2019.00759>.
- Pfisterer, K. *et al.* 2021 'The Extracellular Matrix in Skin Inflammation and Infection', *Frontiers in Cell and Developmental Biology*. Frontiers Media S.A. Available at: <https://doi.org/10.3389/fcell.2021.682414>.
- Robson, D.S., Powers, L. and Urquhart, N.S. 1967 'The Proportion of Genetic Deviates in the Tails of a Normal Population', *Der Züchter*, 37(4), pp. 205-216. Available at: <https://doi.org/10.1007/BF00329530>.

- Rosmarwati, E. *et al.* 2022 'Gambaran Klinis dan Histopatologi Kulit Tikus Sprague-Dawley pada Kelompok Tikus Muda, Tua, dan Tikus Model Tua Induksi D-galaktosa', *Herb-Medicine Journal*, 5(3), pp. 1-8. Available at: <https://doi.org/doi: 10.30595/hmj.v5i3.14894>.
- Rysz, J. *et al.* 2022 'Ageing, Age-Related Cardiovascular Risk, and the Beneficial Role of Natural Components Intake', *International Journal of Molecular Sciences*. MDPI. Available at: <https://doi.org/10.3390/ijms23010183>.
- Saputera, M.M.A. *et al.* 2019 'Konsentrasi Hambat Minimum (Khm) Kadar Ekstrak Etanol Batang Bajakah Tampala (*Spatholobus littoralis* Hassk) Terhadap Bakteri Escherichia Coli Melalui Metode Sumuran', *Jurnal Ilmiah Manuntung*, 5(2), pp. 167-173. Available at: <https://doi.org/DOI: https://doi.org/10.51352/jim.v5i2.267>.
- Sari, I.P., Ichwan, M. and Siregar, Y. (2020)- 'Pengaruh Pemberian D-Galaktosa terhadap Perubahan Berat Badan Mencit Jantan', *Jurnal Keperawatan Dan Fisioterapi (JKF)*, 2(2), pp. 113-116. available at: <https://doi.org/10.35451/jkf.v2i2.336>.
- Schmelzer, C.E.H. and Duca, L. 2022 'Elastic Fibers: Formation, Function, and Fate During Aging and Disease', *The FEBS Journal*, 289(13), pp. 3704-3730. Available at: <https://doi.org/10.1111/febs.15899>.
- Shin, J.-W. *et al.* 2019 'Molecular Mechanisms of Dermal Aging and Antiaging Approaches', *International Journal of Molecular Sciences*, 20(9), p. 2126. Available at: <https://doi.org/10.3390/ijms20092126>.
- Sianipar, R.N.R. *et al.* 2023 'The Role of Selected Flavonoids from Bajakah Tampala (*Spatholobus littoralis* Hassk.) Stem on Cosmetic Properties: A Review', *Saudi Pharmaceutical Journal*, 31(3), pp. 382-400. Available at: <https://doi.org/10.1016/J.JSPS.2023.01.006>.
- Situmorang, N. 2021 'Pengaruh Pemberian D-galaktosa Terhadap Berat Badan Mencit Betina', *Majalah Ilmiah METHODA*, 11(2), pp. 133-137. Available at: <https://doi.org/10.46880/methoda.Vol11No2.pp133-137>.
- Sukoyan, G. *et al.* 2018 'Anti-Aging Effect of Cynara cardunculus L. var. Cynara scolymus L. Extract in D-Galactose-Induced Skin Aging Model in Rats', *Pharmacology & Pharmacy*, 09(10), pp. 428-439. Available at: <https://doi.org/10.4236/pp.2018.910032>.
- Sulistiyoningrum, E. *et al.* 2019 'Anti-Aging Effects of Muntingia calabura Leaves Extract in D-galactose-Induced Skin Aging Mouse Model', *Journal of Applied Pharmaceutical Science*, 9(9), pp. 23-29. Available at: <https://doi.org/10.7324/JAPS.2019.90904>.

- Umbayev, B. *et al.* 2020 'Galactose-Induced Skin Aging: The Role of Oxidative Stress', *Oxidative Medicine and Cellular Longevity*. Hindawi Limited. Available at: <https://doi.org/10.1155/2020/7145656>.
- Wahart, A. *et al.* 2019 'Role of Elastin Peptides and Elastin Receptor Complex in Metabolic and Cardiovascular Diseases', *FEBS Journal*. Blackwell Publishing Ltd, pp. 2980-2993. Available at: <https://doi.org/10.1111/febs.14836>.
- Wibawa, J.C., Wati, L.H. and Arifin, M.Z. 2020 'Mekanisme Vitamin C Menurunkan Stres Oksidatif Setelah Aktivitas Fisik', *JOSSAE : Journal of Sport Science and Education*, 5(1), p. 57. Available at: <https://doi.org/10.26740/jossae.v5n1.p57-63>.
- Wu, Q. *et al.* 2020 'The Inhibitory Effect of the Catechin Structure on Advanced Glycation End Product Formation in Alcoholic Media', *Food & Function*, 11(6), pp. 5396-5408. Available at: <https://doi.org/10.1039/C9FO02887K>.
- Xie, W. qing *et al.* 2021 'Mouse Models of Sarcopenia: Classification and Evaluation', *Journal of Cachexia, Sarcopenia and Muscle*. John Wiley and Sons Inc, pp. 538-554. Available at: <https://doi.org/10.1002/jcsm.12709>.
- Ye, Y. *et al.* 2014 'In Vivo Antioxidant and Anti-Skin-Aging Activities of Ethyl Acetate Extract from Idesia polycarpa Defatted Fruit Residue in Aging Mice Induced by D-galactose', *Evidence-based Complementary and Alternative Medicine*, 2014. Available at: <https://doi.org/10.1155/2014/185716>.
- Yusharyahya, S.N. 2021 'Mekanisme Penuaan Kulit sebagai Dasar Pencegahan dan Pengobatan Kulit Menua', *eJournal Kedokteran Indonesia*, 9(2), p. 150. Available at: <https://doi.org/10.23886/ejki.9.49.150>.
- Zgutka, K. *et al.* 2023 'A Role for Advanced Glycation End Products in Molecular Ageing', *International Journal of Molecular Sciences*, 24(12), p. 9881. Available at: <https://doi.org/10.3390/ijms24129881>.
- Zhang, J. *et al.* 2020 'Anti-Aging Effect of Brown Black Wolfberry on Drosophila melanogaster and D-Galactose-Induced Aging Mice', *Journal of Functional Foods*, 65, p. 103724. Available at: <https://doi.org/10.1016/J.JFF.2019.103724>.
- Zheng, W. *et al.* 2022 'Research Advances on the Damage Mechanism of Skin Glycation and Related Inhibitors', *Nutrients*. MDPI. Available at: <https://doi.org/10.3390/nu14214588>.