

DAFTAR PUSTAKA

- Aji, A.P. *et al.* (2024) ‘Peningkatan Aktivitas Afrodisiak Mikroemulsi Icariin, Ekstrak Purwaceng dan Ekstrak Pasak Bumi’, *Jurnal Tumbuhan Obat Indonesia*, 167(01), pp. 44–55. Available at: <https://doi.org/10.31002/jtoi.v16i2.885>.
- Allen, M.S., Wood, A.M. and Sheffield, D. (2023) ‘The Psychology of Erectile Dysfunction’, *Current Directions in Psychological Science*, 32(6), pp. 487–493. Available at: <https://doi.org/10.1177/09637214231192269>.
- Alzahrani, H. (2012) ‘Sister chromatid exchanges produced by antidepressant’, *European Review for Medical and Pharmacological Sciences*, 16, pp. 2154–2161.
- Anderson, D. *et al.* (2022) ‘Male Sexual Dysfunction’, *Health Psychology Research*, 10(3). Available at: <https://doi.org/10.52965/001C.37533>.
- Aziz, N.A. *et al.* (2021) ‘A Review on Extraction Techniques and Therapeutic Value of Polar Bioactives From Asian Medicinal Herbs: Case Study on Orthosiphon Aristatus, Eurycoma Longifolia and Andrographis Paniculata’, *Saudi Pharmaceutical Journal*. Elsevier B.V., pp. 143–165. Available at: <https://doi.org/10.1016/j.jsps.2020.12.016>.
- Besong, E.E. *et al.* (2023) ‘Zinc improves sexual performance and erectile function by preventing penile oxidative injury and upregulating circulating testosterone in lead-exposed rats’, *Redox Report*, 28(1). Available at: <https://doi.org/10.1080/13510002.2023.2225675>.
- Bhat, A.I. *et al.* (2019) ‘Evaluation of the in vivo effect of chitosan conjugated eurycomanone nanoparticles on the reproductive response in female fish model’, 510(March), pp. 392–399. Available at: <https://doi.org/10.1016/j.aquaculture.2019.06.002>.
- Bhat, R. and Karim, A.A. (2010) ‘Tongkat Ali (*Eurycoma longifolia* Jack): A Review On Its Ethnobotany and Pharmacological Importance’, *Fitoterapia*, pp. 669–679. Available at: <https://doi.org/10.1016/j.fitote.2010.04.006>.
- BPOM RI (2022) ‘Peraturan BPOM No 10 Tahun 2022 Pedoman Uji Toksisitas Praklinik Secara In Vivo’, *Bpom Ri*, (490), pp. 1–16. Available at: <https://peraturan.bpk.go.id/Details/223969/peraturan-bpom-no-10-tahun-2022>.
- Brueckle, M. *et al.* (2020) ‘Adverse drug reactions associated with amitriptyline — protocol for a systematic multiple-indication review and meta-

analysis', pp. 1–8.

Buttari, B. *et al.* (2025) 'Proteostasis Decline and Redox Imbalance in Age-Related Diseases: The Therapeutic Potential of NRF2', *Biomolecules*, 15(1), pp. 1–38. Available at: <https://doi.org/10.3390/biom15010113>.

Castela, A., Vendeira, P. and Costa, C. (2011) 'Testosterone, Endothelial Health, and Erectile Function', *ISRN Endocrinology*, 2011, pp. 1–7. Available at: <https://doi.org/10.5402/2011/839149>.

Celik, O. *et al.* (2014) 'To evaluate the etiology of erectile dysfunction: What should we know currently?', (8), pp. 197–201.

Chaingam, J. *et al.* (2021a) 'HPLC-UV-Based Simultaneous Determination of Canthin-6-One Alkaloids, Quassinoids, and Scopoletin: The Active Ingredients in *Eurycoma Longifolia* Jack and *Eurycoma Harmandiana* Pierre, and Their Anti-Inflammatory Activities', *Journal of AOAC International*, 104(3), pp. 802–810. Available at: <https://doi.org/10.1093/jaoacint/qsaa141>.

Chaingam, J. *et al.* (2021b) 'HPLC-UV-Based Simultaneous Determination of Canthin-6-One Alkaloids, Quassinoids, and Scopoletin: The Active Ingredients in *Eurycoma Longifolia* Jack and *Eurycoma Harmandiana* Pierre, and Their Anti-Inflammatory Activities', *Journal of AOAC International*, 104(3), pp. 802–810. Available at: <https://doi.org/10.1093/jaoacint/qsaa141>.

Chaingam, J. *et al.* (2022a) 'Evaluation of anti-inflammatory properties of *Eurycoma longifolia* Jack and *Eurycoma harmandiana* Pierre in vitro cultures and their constituents', *Food and Agricultural Immunology*, 33(1), pp. 530–545. Available at: <https://doi.org/10.1080/09540105.2022.2100324>.

Chaingam, J. *et al.* (2022b) 'Evaluation of anti-inflammatory properties of *Eurycoma longifolia* Jack and *Eurycoma harmandiana* Pierre in vitro cultures and their constituents', *Food and Agricultural Immunology*, 33(1), pp. 530–545. Available at: <https://doi.org/10.1080/09540105.2022.2100324>.

Channon, K.M. (2020) *Tetrahydrobiopterin and Nitric Oxide Synthase Recouplers, Handbook of Experimental Pharmacology*. Springer, Cham. Available at: https://doi.org/10.1007/164_2020_390.

Chiou, W.F. and Wu, T.S. (2012) '9-Hydroxycanthin-6-One Induces Penile Erection and Delays Ejaculation', *Journal of Sexual Medicine*, 9(4), pp. 1027–1036. Available at: <https://doi.org/10.1111/j.1743-6109.2011.02296.x>.

- Choonong, R. *et al.* (2022) 'Phosphodiesterase-5 Inhibitory Activity of Canthin-6-One Alkaloids and the Roots of *Eurycoma longifolia* and *Eurycoma harmandiana*', *Chemistry & Biodiversity*, 19(7), p. e202200121. Available at: <https://doi.org/10.1002/CBDV.202200121>.
- Cort, A. and Ozben, T. (2014) *Free Radicals: The Role of Antioxidants and Pro-oxidants in Cancer Development and Therapy*. Antalya Turkey Department of Clinical Biochemistry, Faculty of Medicine, Akdeniz University, Antalya, Turkey: Nova Science Publishers, Inc. Available at: <https://www.scopus.com/pages/publications/84955352440#tab=citedBy>.
- Cripps, S.M., Mattiske, D.M. and Pask, A.J. (2021) 'Erectile Dysfunction in Men on the Rise: Is There a Link with Endocrine Disrupting Chemicals?', *Sexual Development*, 15(1), pp. 187–212. Available at: <https://doi.org/10.1159/000516600>.
- Dang, N.H. *et al.* (2016) '7-Methoxy-(9H- β -Carboline-1-yl)-(E)-1-Propenoic Acid, a β -Carboline Alkaloid From *Eurycoma longifolia*, Exhibits Anti-Inflammatory Effects by Activating the Nrf2/Heme Oxygenase-1 Pathway', *Journal of Cellular Biochemistry*, 117(3), pp. 659–670. Available at: <https://doi.org/10.1002/jcb.25315>.
- Derogatis, L. *et al.* (2012) 'Characterization of hypoactive sexual desire disorder (HSDD) in men', *Journal of Sexual Medicine*, 9(3), pp. 812–820. Available at: <https://doi.org/10.1111/j.1743-6109.2011.02592.x>.
- Eissa, M.A. *et al.* (2025) 'Metabolome classification of Tongkat Ali (*Eurycoma longifolia* jack) and its commercial products via UHPLC-QTOF-MS-MS and its protective effect against 5-fluorouracil-Induced testicular toxicity in male rats', *Journal of Ethnopharmacology*, 337(P2), p. 118904. Available at: <https://doi.org/10.1016/j.jep.2024.118904>.
- Erdemir, F. *et al.* (2014) 'The effect of Sertraline, Paroxetine, Fluoxetine and Escitalopram on testicular tissue and oxidative stress parameters in rats', *International Braz J Urol*, 40(1), pp. 100–108. Available at: <https://doi.org/10.1590/S1677-5538.IBJU.2014.01.15>.
- Farouil, L. *et al.* (2022) 'Review on canthin-6-one alkaloids: Distribution, chemical aspects and biological activities', *European Journal of Medicinal Chemistry Reports*, 5(January). Available at: <https://doi.org/10.1016/j.ejmcr.2022.100049>.
- Fitriana, W.D. (2017) 'Analisis Komponen Kimia Minyak Atsiri Pada Ekstrak Metanol Daun Kelor', *Jurnal Pharmascience*, 4(1), pp. 122–129. Available at: <https://doi.org/10.20527/jps.v4i1.5765>.
- Fouche, G. *et al.* (2015) 'Effect of the aqueous extract of the aerial parts of

- Monsonia angustifolia E. Mey. Ex A. Rich., on the sexual behaviour of male Wistar rats', *BMC Complementary and Alternative Medicine*, 15(1), pp. 02–10. Available at: <https://doi.org/10.1186/s12906-015-0880-4>.
- Francis, S.H., Busch, J.L. and Corbin, J.D. (2010) 'cGMP-Dependent Protein Kinases and cGMP Phosphodiesterases in Nitric Oxide and cGMP Action', 62(3), pp. 525–563. Available at: <https://doi.org/10.1124/pr.110.002907.525>.
- Gebremedhin, H.T. *et al.* (2021) 'Erectile dysfunction and its associated factors among the male population in Adigrat Town, Tigray Region, Ethiopia: A cross-sectional study', *PLoS ONE*, 16(3 March), pp. 1–12. Available at: <https://doi.org/10.1371/journal.pone.0242335>.
- Göçmez, S.S. *et al.* (2011) 'Chronic administration of fluoxetine impairs neurogenic and endothelium-dependent relaxation of the rabbit corpus cavernosum smooth muscle', *European Journal of Pharmacology*, 670(1), pp. 224–228. Available at: <https://doi.org/10.1016/j.ejphar.2011.08.039>.
- Hadi, S. *et al.* (2020) 'Penambatan Molekul Kandungan *Eurycoma longifolia* Jack. (Pasak Bumi) terhadap Human Phosphodiesterase 5', *Jurnal Pharmascience*, 07(02), pp. 36–47. Available at: <https://ppjp.ulm.ac.id/journal/index.php/pharmascience>.
- Hartono, H.S.O., Soetjipto, H. and Kristijianto, A.I. (2024) 'Extraction and Chemical Compounds Identification of Red Rice Bran Oil Using Gas Chromatography - Mass Spectrometry (GC-MS) Method', *Eksakta: Jurnal Ilmu-Ilmu MIPA* [Preprint].
- He, F., Ru, X. and Wen, T. (2020) 'NRF2, a transcription factor for stress response and beyond', *International Journal of Molecular Sciences*, 21(13), pp. 1–23. Available at: <https://doi.org/10.3390/ijms21134777>.
- Healy, D., Le Noury, J. and Mangin, D. (2018) 'Enduring sexual dysfunction after treatment with antidepressants, 5 α -reductase inhibitors and isotretinoin: 300 cases', *International Journal of Risk and Safety in Medicine*, 29(3–4), pp. 125–134. Available at: <https://doi.org/10.3233/JRS-180744>.
- Herizchi, S. and Mogaddam, A. (2016) 'Comparison of citalopram and fluoxetine sexual side-effects in male patients referred to psychiatric clinic', *Journal of Analytical Research in Clinical Medicine*, 4(4), pp. 221–227. Available at: <https://doi.org/10.15171/jarcm.2016.037>.
- Hidayati, S. *et al.* (2021) 'Review: Etnotaksonomi dan bioekologi tumbuhan pasak bumi (*Eurycoma longifolia* Jack.)', *Jurnal Pengelolaan Sumberdaya Alam dan Lingkungan (Journal of Natural Resources and Environmental Management)*, 11(2), pp. 177–178. Available at:

<https://doi.org/10.29244/jpsl.11.2.177-178>.

- Hien, D.T.T. *et al.* (2019) 'Anti-inflammatory effects of alkaloid enriched extract from roots of *Eurycoma longifolia* Jack', *Asian Pacific Journal of Tropical Biomedicine*, 9(1), pp. 18–23. Available at: <https://doi.org/10.4103/2221-1691.250265>.
- Hiramatsu, K. *et al.* (2016) 'Aged garlic extract enhances heme oxygenase-and glutamate-cysteine ligase modifier subunit expression via the nuclear factor erythroid 2-related factor 2-antioxidant response element signaling pathway in human endothelial cells', *Nutrition Research*, 36(2), pp. 143–149. Available at: <https://doi.org/10.1016/j.nutres.2015.09.018>.
- Hiremath, D.S. *et al.* (2021) 'Constitutive LH receptor activity impairs NO mediated penile smooth muscle relaxation', *Physiology & behavior*, 161(01), pp. 31–41. Available at: <https://doi.org/10.1530/REP-20-0447>.Constitutive.
- Hu, L. *et al.* (2018) 'Biochemical and Biophysical Research Communications Probulcol improves erectile function via Activation of Nrf2 and coordinates the HO-1 / DDAH / PPAR- g / eNOS pathways in streptozotocin-induced diabetic rats', *Biochemical and Biophysical Research Communications*, 507(1–4), pp. 9–14. Available at: <https://doi.org/10.1016/j.bbrc.2018.10.036>.
- Kaltsas, A. *et al.* (2024) 'Oxidative Stress and Erectile Dysfunction: Pathophysiology, Impacts, and Potential Treatments', *Current Issues in Molecular Biology*. Multidisciplinary Digital Publishing Institute (MDPI), pp. 8807–8834. Available at: <https://doi.org/10.3390/cimb46080521>.
- Karrouri, R. *et al.* (2021) 'Major depressive disorder: Validated treatments and future challenges', 9(31), pp. 9350–9368. Available at: <https://doi.org/10.12998/wjcc.v9.i31.9350>.
- Kessler, A. *et al.* (2019a) 'The global prevalence of erectile dysfunction: a review', *BJU International*, 124(4), pp. 587–599. Available at: <https://doi.org/10.1111/bju.14813>.
- Kessler, A. *et al.* (2019b) 'The global prevalence of erectile dysfunction: a review', *BJU International*, 124(4), pp. 587–599. Available at: <https://doi.org/10.1111/bju.14813>.
- Khazaie, H. *et al.* (2015) 'Antidepressant-induced sexual dysfunction during treatment with fluoxetine, sertraline and trazodone; a randomized controlled trial', *General Hospital Psychiatry*, 37(1), pp. 40–45. Available at: <https://doi.org/10.1016/j.genhosppsych.2014.10.010>.

- Kondo, Y., Sachs, B. and Sakuma, Y. (1977) 'Importance of The Medial Amygdala in Rat Penile Erection Evoked by Remote Stimuli From Estrous Females', *Behav Brain Res*, 88, pp. 153–160.
- Kotta, S., Ansari, S. and Ali, J. (2013) 'Exploring scientifically proven herbal aphrodisiacs', *Pharmacognosy Reviews*, pp. 1–10. Available at: <https://doi.org/10.4103/0973-7847.112832>.
- López-Camacho, E. *et al.* (2016) 'A new multi-objective approach for molecular docking based on rmsd and binding energy', *Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)*, 9702, pp. 65–77. Available at: https://doi.org/10.1007/978-3-319-38827-4_6.
- Low, B.S., Das, P.K. and Chan, K.L. (2013) 'Standardized quassinoid-rich *Eurycoma longifolia* extract improved spermatogenesis and fertility in male rats via the hypothalamic-pituitary- gonadal axis', *Journal of Ethnopharmacology*, 145(3), pp. 706–714. Available at: <https://doi.org/10.1016/j.jep.2012.11.013>.
- Mann, J.J. (2005) 'The Medical Management of Depression', pp. 1819–1834.
- Mansyah, B. (2025) 'Diversity of Secondary Metabolites of *Eurycoma Longifolia* and Its Prospects as Anticancer Agents Based on Sumatran Bioresources: A review', *Sainmatika: Jurnal Ilmiah Matematika dan Ilmu Pengetahuan Alam*, 22(1), pp. 80–94. Available at: <https://doi.org/10.31851/sainmatika.v22i1.18276>.
- McMahon, C.G. *et al.* (2012) 'Premature Ejaculation and Erectile Dysfunction Prevalence and Attitudes in the Asia-Pacific Region', *Journal of Sexual Medicine*, 9(2), pp. 454–465. Available at: <https://doi.org/10.1111/j.1743-6109.2011.02507.x>.
- Melis, M.R. and Argiolas, A. (2011) 'Central control of penile erection: A re-visitation of the role of oxytocin and its interaction with dopamine and glutamic acid in male rats', *Neuroscience and Biobehavioral Reviews*, 35(3), pp. 939–955. Available at: <https://doi.org/10.1016/j.neubiorev.2010.10.014>.
- Miyarso, C.S. *et al.* (2017) 'Pengaruh Pemberian Ekstrak Akar Pasak Bumi (*Eurycoma Longifolia* Jack) Terstandar Terhadap Gambaran Histopatologik Testis Tikus Wistar', *Ilmiah Kesehatan Keperawatan, Jurnal*, 13(3). Available at: <http://ejournal.stikesmuhgombong.ac.id/index.php/JIKK/index>.
- Mogana, R. and Wiart, C. (2013) 'Potential of Scopoletin Isolated from *Canarium patentinervium* Miq . (Burseraceae Kunth)', *Evidence-based*

Complementary and Alternative Medicine, 2013, pp. 1–6.

- Montejo, A.L. *et al.* (2019) ‘Management strategies for antidepressant-related sexual dysfunction: A clinical approach’, *Journal of Clinical Medicine*, 8(10), pp. 1–19. Available at: <https://doi.org/10.3390/jcm8101640>.
- Morelli, A. *et al.* (2005) ‘Peripheral regulatory mechanisms in erection’, *International Journal of Andrology, Supplement*, 28(2), pp. 23–27. Available at: <https://doi.org/10.1111/J.1365-2605.2005.00550.X>.
- Mustofa, P.S. *et al.* (2014) ‘Sediaan Farmasi untuk Mengatasi Gangguan Seksual Pada Pria’, *Indonesia Patent Application* [Preprint].
- Nasyrova, R.F. *et al.* (2020) ‘Genetic factors of nitric oxide’s system in psychoneurologic disorders’, *International Journal of Molecular Sciences*, 21(5), pp. 1–27. Available at: <https://doi.org/10.3390/ijms21051604>.
- Oliveira-Paula, G.H., Lacchini, R. and Tanus-Santos, J.E. (2016) ‘Endothelial nitric oxide synthase: From biochemistry and gene structure to clinical implications of NOS3 polymorphisms’, *Gene*, 575(2), pp. 584–599. Available at: <https://doi.org/10.1016/j.gene.2015.09.061>.
- Olivier, J.D.A. and Olivier, B. (2019) ‘Antidepressants and Sexual Dysfunctions: a Translational Perspective’, *Current Sexual Health Reports*, 11(3), pp. 156–166. Available at: <https://doi.org/10.1007/s11930-019-00205-y>.
- Porter, A. *et al.* (1999) ‘Acute myocardial infarction following sildenafil citrate (Viagra®) intake in a nitrate-free patient’, *Clinical Cardiology*, 22(11), pp. 762–763. Available at: <https://doi.org/10.1002/clc.4960221122>.
- Prasetya, F. *et al.* (2024) *Potential Indonesian Medicinal Plants on Aphrodisiac Activity, Indonesian Journal of Pharmaceutical Science and Technology Journal Homepage*. Available at: <http://jurnal.unpad.ac.id/ijpst/>.
- Purwono, S. (2015) *Khasiat dan keamanan ekstrak air akar pasak bumi (*Eurycoma Longifolia* Jack) untuk mengatasi gangguan fungsi seksual pada pria*. Available at: <https://ugm.ac.id/id/berita/10341-akar-pasak-bumi-berkhasiat-atasi-gangguan-fungsi-seksual/>.
- Purwono, S. (2021) *Pengembangan Kapsul ekstrak Pasak Bumi (*Eurycoma longifolia*) Terstandar Sebagai Agen Terapi Disfungsi Seksual, Penelitian Desentralisasi (PTUPT)*.
- Qi, P. *et al.* (2021) ‘Qualitative screening and quantitative determination of multiclass water-soluble synthetic dyes in foodstuffs by liquid chromatography coupled to quadrupole Orbitrap mass spectrometry’, *Food Chemistry*, 360(November 2020), p. 129948. Available at: <https://doi.org/10.1016/j.foodchem.2021.129948>.

- Rehman, S.U., Choe, K. and Yoo, H.H. (2016) 'Review on a traditional herbal medicine, *eurycoma longifolia* Jack (Tongkat Ali): Its traditional uses, chemistry, evidence-based pharmacology and toxicology', *Molecules*. MDPI AG. Available at: <https://doi.org/10.3390/molecules21030331>.
- Ringoringo, V.S., Hakim, L. and Nurrochmad, A. (2019) 'Efek Afrodisiaka Ekstrak Euryco® (*Eurycoma longifolia*, Jack) Terhadap Sexual Behaviour Tikus Jantan Wistar The Aphrodisiac Effect Of Euryco® (*Eurycoma Longifolia*, Jack) Extract On Sexual Behaviour Of Wistar Male Rat', *Prosiding Pokjanas TOI ke-57*, pp. 31–39.
- Rosen, R.C. *et al.* (2017) 'Quality of Life and Sexual Function Benefits of Long-Term Testosterone Treatment: Longitudinal Results From the Registry of Hypogonadism in Men (RHYME)', *Journal of Sexual Medicine*, 14(9), pp. 1104–1115. Available at: <https://doi.org/10.1016/J.JSXM.2017.07.004>.
- Rosler, AS. *et al.* (2006) 'Penile Reflex. 15th World Meeting of the International Society of Sexual Medicine', *Cairo, Egypt* [Preprint].
- Rothmore, J. (2020) 'Antidepressant-induced sexual dysfunction', *Medical Journal of Australia*. John Wiley and Sons Inc., pp. 329–334. Available at: <https://doi.org/10.5694/mja2.50522>.
- Roychoudhury, S. *et al.* (2021) 'Environmental factors-induced oxidative stress: Hormonal and molecular pathway disruptions in hypogonadism and erectile dysfunction', *Antioxidants*, 10(6). Available at: <https://doi.org/10.3390/antiox10060837>.
- Runtutahu, A.M., Fatimawali and Suoth, E.J. (2024) 'Identifikasi Bahan Kimia Obat Sildenafil Sitrat Pada Jamu Kuat yang Beredar di Kota Manado', *Pharmacon*, 13(01), pp. 523–528. Available at: <https://doi.org/10.35799/pha.13.2024.49343>.
- Ryu, J.K. *et al.* (2009) 'Derangements in endothelial cell-to-cell junctions involved in the pathogenesis of hypercholesterolemia-induced erectile dysfunction', *Journal of Sexual Medicine*, 6(7), pp. 1893–1907. Available at: <https://doi.org/10.1111/j.1743-6109.2009.01275.x>.
- Sani, G. *et al.* (2023) 'The Nrf2 Pathway in Depressive Disorders: A Systematic Review of Animal and Human Studies', *Antioxidants*, 12(4), pp. 1–49. Available at: <https://doi.org/10.3390/antiox12040817>.
- Segaran, A., Chua, L.S. and Mohd Ismail, N.I. (2021) 'A narrative review on pharmacological significance of *Eurycoma longifolia* jack roots', *Longhua Chinese Medicine*, 4, pp. 35–35. Available at: <https://doi.org/10.21037/lcm-21-32>.

- Setyaningrum, D., Kartikawati, S. and Wahdina (2017) 'Morfologi Pasak Bumi (*Eurycoma*) di Dusun Benua Kaupaten Kubu Raya Kalimantan Barat (Morphology Of Pasak Bumi (*Eurycoma*) in Dusun Benuah Kabupaten Kubu Raya West Kalimantan)', *Jurnal Hutan Lestari*, 5(2), pp. 217–224.
- Taofik, A. and Depison, D. (2008) 'Pengaruh Nisbah Kelamin Perkawinan Terhadap Litter Size dan Jumlah Anak Perkandang Perkawinan Tikus Putih Wistar', *Jurnal Ilmiah Ilmu-Ilmu Peternakan*, 11(3), pp. 118–124. Available at: <https://doi.org/10.22437/jiiip.v11i3.743>.
- Taylor, B.J. *et al.* (2009) 'Beyond-use dating of extemporaneously compounded ketamine, acepromazine, and xylazine: Safety, stability, and efficacy over time', *Journal of the American Association for Laboratory Animal Science*, 48(6), pp. 718–726.
- Teixeira, T.M. *et al.* (2024) 'The traditional use of native Brazilian plants for male sexual dysfunction: Evidence from ethnomedicinal applications, animal models, and possible mechanisms of action', *Journal of Ethnopharmacology*, 318(April 2023). Available at: <https://doi.org/10.1016/j.jep.2023.116876>.
- Vejayan, J. *et al.* (2018) 'Marker to authenticate *Eurycoma longifolia* (Tongkat Ali) containing aphrodisiac herbal products', *Current Science*, 115(5), pp. 886–894. Available at: <https://doi.org/10.18520/cs/v115/i5/886-894>.
- Wanita, Y.P. *et al.* (2024) 'Mycotoxin contamination profiling in coffee bean by targeted LC-HRMS', *IOP Conference Series: Earth and Environmental Science*, 1377(1). Available at: <https://doi.org/10.1088/1755-1315/1377/1/012027>.
- Wardani, I.G.A.K. and Santoso, P. (2017) 'Efektivitas Afrodisiaka Dari Ekstrak Etanol Jahe Merah (*Zingiber officinale roscoe*) Pada Tikus (*Rattus norvegicus* L.) Putih Jantan', *Jurnal Ilmiah Medicamento*, 03(01), pp. 22–28.
- Waris, R., Kadir, A. and Akbar, C. (2013) 'Identifikasi dan Penetapan Kadar Sildenafil Sitrat pada Jamu Kuat Lelaki yang Beredar di Kota Makassar', *As-Syifa Journal*, 05(01), pp. 95–102. Available at: <https://doi.org/https://doi.org/10.56711/jifa.v5i1.74>.
- Wu, H. *et al.* (2023) 'Effect of Nrf2 on the testicular microenvironment and its research progress in male diseases', *Journal of Chinese Pharmaceutical Sciences*, 32(7), pp. 513–526. Available at: <https://doi.org/10.5246/JCPS.2023.07.043>.
- Xu, D. *et al.* (2023) 'Botanical drugs for treating erectile dysfunction: clinical evidence', *Frontiers in Pharmacology*. Frontiers Media SA. Available at:

<https://doi.org/10.3389/fphar.2023.1232774>.

- Yang, K., Yang, Z. and Rui, J. (2021) '[Icariin improves erectile function in spontaneously hypertensive rats by up-regulating Nrf2] Zhonghua Nan Ke Xue', *National Journal of Andrology*, 27(2), pp. 106–113.
- Yang, S. *et al.* (2023) 'Nrf2 enhances the therapeutic efficiency of adipose-derived stem cells in the treatment of neurogenic erectile dysfunction in a rat model', *Basic and Clinical Andrology*, 33(1), pp. 1–13. Available at: <https://doi.org/10.1186/s12610-023-00214-x>.
- Zakaria, Y. *et al.* (2004) 'Eurycoma longifolia aqueous extract increases sexual activities in male and female rats'.
- Zhang, Z. *et al.* (2023) 'Canthin-6-Ones: Potential Drugs for Chronic Inflammatory Diseases by Targeting Multiple Inflammatory Mediators', *Molecules*, 28(8). Available at: <https://doi.org/10.3390/molecules28083381>.
- Zhuang, B. *et al.* (2024) 'Mechanisms of erectile dysfunction induced by aging: A comprehensive review', *Andrology* [Preprint]. John Wiley and Sons Inc. Available at: <https://doi.org/10.1111/andr.13778>.
- Zulfahmi (2015) *Keragaman Pasak Bumi Di Hutan Larangan Adat Rumbio*. Riau : UIN Sultan Syarif Kasim.