

DAFTAR PUSTAKA

- Abubakar, A. R., & Haque, M. (2020). Preparation of Medicinal Plants: Basic Extraction and Fractionation Procedures for Experimental Purposes. *Journal of Pharmacy & Bioallied Sciences*, 12(1), 1–10. https://doi.org/10.4103/jpbs.JPBS_175_19
- Altemimi, A., Lakhssassi, N., Baharlouei, A., Watson, D. G., & Lightfoot, D. A. (2017). Phytochemicals: Extraction, Isolation, and Identification of Bioactive Compounds from Plant Extracts. *Plants*, 6(4), 42. <https://doi.org/10.3390/plants6040042>
- Apriani, E. F., Ahmadi, A., & Noviani, V. (2021). Formulation and Evaluation of Water Fraction Hair tonic Containing Flavonoids from Ethanolic Extract of Green Tea Leaves (*Camellia sinensis* L.). *Majalah Obat Tradisional*, 26(2), 77. <https://doi.org/10.22146/mot.53665>
- Araujo-León, J. A., Aguilar-Hernández, V., Sánchez-delPino, I., Brito-Argáez, L., Peraza-Sánchez, S. R., Xingú-López, A., Ortiz-Andrade, R., Araujo-León, J. A., Aguilar-Hernández, V., Sánchez-delPino, I., Brito-Argáez, L., Peraza-Sánchez, S. R., Xingú-López, A., & Ortiz-Andrade, R. (2023). Analysis of Red Amaranth (*Amaranthus cruentus* L.) Betalains by LC-MS. *Journal of the Mexican Chemical Society*, 67(3), 227–239. <https://doi.org/10.29356/jmcs.v67i3.1967>
- Aztriana, A., Nurlina, N., Achmad, D. S., Purnamasari, V., & Hasrawati, A. (2023). Formulasi dan Uji Aktivitas Sediaan Hair Tonic Kafein untuk Menstimulasi Pertumbuhan Rambut pada Hewan Uji Marmut. *Journal of Pharmaceutical and Health Research*, 4(2), 245–251. <https://doi.org/10.47065/jharma.v4i2.3453>
- Azwanida, N. (2015). A Review on the Extraction Methods Use in Medicinal Plants, Principle, Strength and Limitation. *Medicinal & Aromatic Plants*, 04(03). <https://doi.org/10.4172/2167-0412.1000196>
- Bamba, B. S. B., Shi, J., Tranchant, C. C., Xue, S. J., Forney, C. F., & Lim, L.-T. (2018). Influence of Extraction Conditions on Ultrasound-Assisted Recovery of Bioactive Phenolics from Blueberry Pomace and Their Antioxidant Activity. *Molecules*, 23(7), 1685. <https://doi.org/10.3390/molecules23071685>
- Bánki, O., Roskov, Y., Döring, M., Ower, G., Hernández Robles, D. R., Plata Corredor, C. A., Stjernaagaard Jeppesen, T., Örn, A., Pape, T., Hobern, D., Garnett, S., Little, H., DeWalt, R. E., Miller, J., Orrell, T., Aalbu, R., Abbott, J., Abreu, C., Acero P, A., ... World Flora Online. (n.d.). *Catalogue of Life* (Versions 2026-06-19 XR) [Dataset]. Catalogue of Life Foundation. <https://doi.org/10.48580/DGY8B>
- Belwal, T., Ezzat, S. M., Rastrelli, L., Bhatt, I. D., Daglia, M., Baldi, A., Devkota, H. P., Orhan, I. E., Patra, J. K., Das, G., Anandharamakrishnan, C., Gomez-Gomez, L., Nabavi, S. F., Nabavi, S. M., & Atanasov, A. G. (2018). A critical analysis of extraction techniques used for botanicals: Trends, priorities, industrial uses and optimization strategies. *TrAC Trends in Analytical Chemistry*, 100, 82–102. <https://doi.org/10.1016/j.trac.2017.12.018>
- Bitwell, C., Indra, S. S., Luke, C., & Kakoma, M. K. (2023). A review of modern and conventional extraction techniques and their applications for extracting phytochemicals from plants. *Scientific African*, 19, e01585. <https://doi.org/10.1016/j.sciaf.2023.e01585>
- Chemat, F., Abert Vian, M., Ravi, H. K., Khadhraoui, B., Hilali, S., Perino, S., & Fabiano Tixier, A.-S. (2019). Review of Alternative Solvents for Green Extraction of Food and Natural Products: Panorama, Principles, Applications and Prospects. *Molecules*, 24(16), 3007. <https://doi.org/10.3390/molecules24163007>
- Davis, M. G., Piliang, M. P., Bergfeld, W. F., Caterino, T. L., Fisher, B. K., Sacha, J. P., Carr, G. J., Moulton, L. T., Whittenbarger, D. J., & Schwartz, J. R. (2021). Scalp application of antioxidants improves scalp condition and reduces hair shedding in a 24-week randomized, double-blind, placebo-controlled clinical trial. *International Journal of Cosmetic Science*, 43 Suppl 1, S14–S25. <https://doi.org/10.1111/ics.12734>
- De Caro, C., & Claudia, H. (2025). (PDF) *UV/Vis Spectrophotometry—Fundamentals and Applications*. ResearchGate. https://www.researchgate.net/publication/321017142_UVVis_Spectrophotometry_-_Fundamentals_and_Applications
- Devi, K., Malik, J. K., & Singh, G. (2025). Deciphering of Anti-Alopecia Activity of Polyphenol from Beta vulgaris Root against 5 α -reductase: Molecular Insight. *Global*

- Academic Journal of Pharmacy and Drug Research*, 7(01), 7–16. <https://doi.org/10.36348/gajpdr.2025.v07i01.002>
- Devirizanty, D., Nurmawati, S., & Hartanto, C. (2021). PERBANDINGAN UNJUK KINERJA BERBAGAI TIPE pH METER DIGITAL DI LABORATORIUM KIMIA. *JURNAL PENGELOLAAN LABORATORIUM SAINS DAN TEKNOLOGI*, 1(1), 1–9. <https://doi.org/10.33369/labsaintek.v1i1.15460>
- Dewi, A. S., & Ridwan, S. (2024). Effect of Various Plant Extract Concentrations in Hair Tonic Preparations on Hair Growth Activity. *Jurnal Biologi Tropis*, 24(2), 615–622. <https://doi.org/10.29303/jbt.v24i2.6813>
- Dorożyńska, K., & Maj, D. (2021). Rabbits – their domestication and molecular genetics of hair coat development and quality. *Animal Genetics*, 52(1), 10–20. <https://doi.org/10.1111/age.13024>
- Erdoğan, B. (2017). Anatomy and Physiology of Hair. In Z. Kutlubay & S. Serdaroglu (Eds.), *Hair and Scalp Disorders*. InTech. <https://doi.org/10.5772/67269>
- Esquivel, P. (2024). Betalains. In *Handbook on Natural Pigments in Food and Beverages* (pp. 147–167). Elsevier. <https://doi.org/10.1016/B978-0-323-99608-2.00002-1>
- Garcia-Vaquero, M., Rajauria, G., & Tiwari, B. (2020). Chapter 7 - Conventional extraction techniques: Solvent extraction. In M. D. Torres, S. Kraan, & H. Dominguez (Eds.), *Sustainable Seaweed Technologies* (pp. 171–189). Elsevier. <https://doi.org/10.1016/B978-0-12-817943-7.00006-8>
- Gunawan, E., Mochta Mano, D. F., Dewi, K., & Pratiwi, R. D. (2022). Hair Growth Test in Male Rabbits (*Oryctolagus cuniculus*) With Variations in The Concentration of Ethanol Extract Terentang (*Camponosperma brevipetiolatum* Volkens) Stem Barks. *Journal of Advances in Pharmacy Practices*, 4(2), 30–35. <https://doi.org/10.46610/JAPP.2022.v04i02.005>
- Gupta, A. K., Talukder, M., Venkataraman, M., & Bamimore, M. A. (2022). Minoxidil: A comprehensive review. *Journal of Dermatological Treatment*, 33(4), 1896–1906. <https://doi.org/10.1080/09546634.2021.1945527>
- Hammad, S. F., Abdallah, I. A., Bedair, A., & Mansour, F. R. (2022). Homogeneous liquid–liquid extraction as an alternative sample preparation technique for biomedical analysis. *Journal of Separation Science*, 45(1), 185–209. <https://doi.org/10.1002/jssc.202100452>
- Handayani, L., Aprilia, S., Arahman, N., & Bilad, M. R. (2024). Identification of the anthocyanin profile from butterfly pea (*Clitoria ternatea* L.) flowers under varying extraction conditions: Evaluating its potential as a natural blue food colorant and its application as a colorimetric indicator. *South African Journal of Chemical Engineering*, 49, 151–161. <https://doi.org/10.1016/j.sajce.2024.04.008>
- Harris, B. (2021). KERONTOKAN DAN KEBOTAKAN PADA RAMBUT. *Ibnu Sina: Jurnal Kedokteran Dan Kesehatan - Fakultas Kedokteran Universitas Islam Sumatera Utara*, 20(2), 159–168. <https://doi.org/10.30743/ibnusina.v20i2.219>
- Harwood, A., Nassereddin, A., & Krishnamurthy, K. (2026). Moisturizers. In *StatPearls*. StatPearls Publishing. <http://www.ncbi.nlm.nih.gov/books/NBK545171/>
- Hasan, F., Khan, S., Tariq, A., & Islam, M. (2026). Hair promotion effect of *Beta vulgaris* L. fruit extracts; physicochemical, and analytical evaluation. *bioRxiv*, 2025.12.31.697263. <https://doi.org/10.64898/2025.12.31.697263>
- Hindun, S., Akmal, A., Najihudin, A., & Sari, N. (2017). Formulation Of Hair Tonic Combination Of Celery And Green Tea Leaves Ethanol Extract For Rabbit Hair Growth. *Jurnal Ilmiah Farmako Bahari*, 8(1).
- Howard, J. E., Villamil, M. B., & Riggins, C. W. (2022). Amaranth as a natural food colorant source: Survey of germplasm and optimization of extraction methods for betalain pigments. *Frontiers in Plant Science*, 13, 932440. <https://doi.org/10.3389/fpls.2022.932440>
- Indrawati, T. (2024). *Anatomi Fisiologi Rambut*. Pusat Publikasi Ilmiah Institut Sains dan Teknologi Nasional.
- Jin, R. C., & Loscalzo, J. (2010). Vascular nitric oxide: Formation and function. *Journal of Blood Medicine*, 1, 147–162. <https://doi.org/10.2147/JBM.S7000>

- Juadjur, A., Mohn, C., Schantz, M., Baum, M., Winterhalter, P., & Richling, E. (2015). Fractionation of an anthocyanin-rich bilberry extract and in vitro antioxidative activity testing. *Food Chemistry*, 167, 418–424. <https://doi.org/10.1016/j.foodchem.2014.07.004>
- Koraag, M. E., Anastasia, H., Isnawati, R., & Octaviani, O. (2016). Efikasi Ekstrak Daun dan Bunga Kecombrang (*Etlingera elatior*) terhadap Larva *Aedes aegypti*. *ASPIRATOR - Journal of Vector-Borne Disease Studies*, 8(2), 63–68. <https://doi.org/10.22435/aspirator.v8i2.4615.63-68>
- Krakowska-Sieprawska, A., Kielbasa, A., Rafińska, K., Ligor, M., & Buszewski, B. (2022). Modern Methods of Pre-Treatment of Plant Material for the Extraction of Bioactive Compounds. *Molecules*, 27(3), 730. <https://doi.org/10.3390/molecules27030730>
- Krisnawati, M. (2020). Uji Aktivitas Pertumbuhan Rambut Sediaan Krim Ekstrak Etanol Daun Bayam (*Amaranthus tricolor* sp) Pada Kelinci (*Oryctolagus cuniculus*) Galur Lokal. *Jurnal Kesehatan Madani Medika*, 11(2), 247–256. <https://doi.org/10.36569/jmm.v11i2.130>
- Larasati, S. A., Saputri, G. A. R., & Angin, M. P. (2024). Pengaruh Hair Tonic Ekstrak Bunga Kembang Sepatu (*Hibiscus rosa-sinesis* L.) Terhadap Pertumbuhan Rambut Kelinci Jantan. *Jurnal Ilmu Kedokteran Dan Kesehatan*, 11(11), 2173–2183. <https://doi.org/10.33024/jikk.v11i11.17101>
- Lazăr (Mistrieanu), S., Constantiu, O. E., Stănciuc, N., Aprodu, I., Croitoru, C., & Răpeanu, G. (2021). Optimization of Betalain Pigments Extraction Using Beetroot by-Products as a Valuable Source. *Inventions*, 6(3), 50. <https://doi.org/10.3390/inventions6030050>
- Martinez, R. M., Melo, C. P. B., Pinto, I. C., Mendes-Pierotti, S., Vignoli, J. A., Verri, W. A., & Casagrande, R. (2024). Betalains: A Narrative Review on Pharmacological Mechanisms Supporting the Nutraceutical Potential Towards Health Benefits. *Foods*, 13(23), 3909. <https://doi.org/10.3390/foods13233909>
- Maryam, F., Taebe, B., & Toding, D. P. (2020). Pengukuran Parameter Spesifik Dan Non Spesifik Ekstrak Etanol Daun Matoa (*Pometia pinnata* J.R & G.Forst). *Jurnal Mandala Pharmacon Indonesia*, 6(01), 1–12. <https://doi.org/10.35311/jmpi.v6i01.39>
- Maynita, S., Pujiati, P., Bhagawan, W. S., & Primiani, C. N. (2023). Analisis rendemen ekstrak etanol daun genitri dari Semarang. *Prosiding Seminar Nasional Program Studi Farmasi UNIPMA (SNAPFARMA)*, 1(1), 162–167.
- Muliani, W., Setiawan, F., & Sukmawan, Y. P. (2022). Formulasi dan Evaluasi Sediaan Hair Tonic Ekstrak Etanol Daun Katuk (*Sauropus androgynus* (L.) Merr.) sebagai Pertumbuhan Rambut pada Kelinci Jantan New Zealand White. *Prosiding Seminar Nasional Diseminasi Hasil Penelitian Program Studi S1 Farmasi*, 2(1). <https://ejurnal.universitas-bth.ac.id/index.php/PSNDP/article/view/970>
- Naqvi, S. F. H., & Husnain, M. (2020). Betalains: Potential Drugs with Versatile Phytochemistry. *Critical Reviews in Eukaryotic Gene Expression*, 30(2), 169–189. <https://doi.org/10.1615/CritRevEukaryotGeneExpr.2020030231>
- Nath, S., Das, S., Kar, O., Afrin, K., Dash, A., & Akter, S. (2016). Topographical and biometrical anatomy of the digestive tract of White New Zealand Rabbit (*Oryctolagus cuniculus*). *Journal of Advanced Veterinary and Animal Research*, 3(2), 145. <https://doi.org/10.5455/javar.2016.c144>
- Nursiyah, N., Saputri, R. K., & Al-Bari, A. (2021). Hair Growth Activity Test of Hair Tonic that Contain Combination of Green Tea Leaf Extract and Celery Leaf Extract. *Ad-Dawaa' Journal of Pharmaceutical Sciences*, 4(2). <https://doi.org/10.24252/djps.v4i2.25003>
- Orasan, M. S., Bolfa, P., Coneac, A., Muresan, A., & Mihu, C. (2016). Topical Products for Human Hair Regeneration: A Comparative Study on an Animal Model. *Annals of Dermatology*, 28(1), 65–73. <https://doi.org/10.5021/ad.2016.28.1.65>
- Osik, N. A., Lukzen, N. N., Yanshole, V. V., & Tsentalovich, Y. P. (2024). Loss of Volatile Metabolites during Concentration of Metabolomic Extracts. *ACS Omega*, 9(22), 24015–24024. <https://doi.org/10.1021/acsomega.4c02439>
- Owecka, B., Tomaszewska, A., Dobrzeniecki, K., & Owecki, M. (2024). The Hormonal Background of Hair Loss in Non-Scarring Alopecias. *Biomedicines*, 12(3), 513. <https://doi.org/10.3390/biomedicines12030513>
- Patel, N. V., Tiwari, D. N., & Patani, D. P. (2023). SPINACH: A GREEN BOOST FOR HEALTHY HAIR-EXPLORING ITS NUTRIENTS AND BENEFITS FOR HAIR CARE. *Journal of Cardiovascular Disease Research*, 14(12), 3194–3205.

- Permanasari, E. D., Amalia, M. P. R., Susilo, S., & Prastiwi, R. (2024). Total Flavonoid Content and Antioxidant Properties of Different Extraction Methods of Red Spinach Leaf (*Amaranthus tricolor* L.). *Jurnal Sains Farmasi & Klinis*, 11(1), 17–24. <https://doi.org/10.25077/jsfk.11.1.17-24.2024>
- Peters, E. M. J., Müller, Y., Snaga, W., Fliege, H., Reißhauer, A., Schmidt-Rose, T., Max, H., Schweiger, D., Rose, M., & Kruse, J. (2017). Hair and stress: A pilot study of hair and cytokine balance alteration in healthy young women under major exam stress. *PLOS ONE*, 12(4), e0175904. <https://doi.org/10.1371/journal.pone.0175904>
- Puspa Yani, N. K. L., Nastiti, K., & Noval, N. (2023). Pengaruh Perbedaan Jenis Pelarut Terhadap Kadar Flavonoid Total Ekstrak Daun Sirsak (*Annona muricata* L.): The Effect of Different Types of Solvents on Total Levels of Flavonoid Extract (*Annona muricata* L.). *Jurnal Surya Medika*, 9(1), 34–44. <https://doi.org/10.33084/jsm.v9i1.5131>
- Putri, F. E., Diharmi, A., & Karnila, R. (2023). Identifikasi Senyawa Metabolit Sekunder Pada Rumpun Laut Coklat (*Sargassum plagyophyllum*) Dengan Metode Fraksinasi. *Jurnal Teknologi Dan Industri Pertanian Indonesia*, 15(1), 40–46. <https://doi.org/10.17969/jtipi.v15i1.23318>
- Quist, S. R., & Quist, J. (2021). Keep quiet—How stress regulates hair follicle stem cells. *Signal Transduction and Targeted Therapy*, 6(1), 364. <https://doi.org/10.1038/s41392-021-00772-4>
- Rahma, K., & Nurcahyanti, O. (2021). Therapeutic Effect of Red Spinach (*Amaranthus tricolor* L.) Extract on Pancreatic MDA Levels Rats (*Rattus norvegicus*) Exposed to MLD-STZ. *Journal of Biomedicine and Translational Research*, 7(3), 129–133. <https://doi.org/10.14710/jbtr.v7i3.12536>
- Rasul, M. G. (2018). *Conventional Extraction Methods Use in Medicinal Plants, their Advantages and Disadvantages*. 2(6).
- Revathi, V., & Suhag, D. (2025). *Amaranthus* Extract Promotes Healthy Follicles and Anagen Hair Density—A Randomized Placebo-Controlled, Double-Blinded Study. *Journal of Integrative and Complementary Medicine*, 31(10), 921–931. <https://doi.org/10.1177/27683605251363174>
- Rifkia, V., Jufri, M., & Mun'im, A. (2017). Hair Growth Promoting Activity of *Nothopanax scutellarium* Merr. Leaves. *Journal of Young Pharmacists*, 9(3), 436–440. <https://doi.org/10.5530/jyp.2017.9.85>
- Riwanti, P., Izazih, F., Universitas Hang Tuah, Amaliyah, A., & Universitas Hang Tuah. (2018). 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), 35–48. <https://doi.org/10.36932/jpcam.v2i2.1>
- Rodriguez-Amaya, D. B. (2019). Betalains. In *Encyclopedia of Food Chemistry* (pp. 35–39). Elsevier. <https://doi.org/10.1016/B978-0-08-100596-5.21607-7>
- Rowe, R. C., Sheskey, P. J., & Quinn, M. E. (2009). *Handbook of pharmaceutical excipients* (6th ed). Pharmaceutical press.
- Sadowska-Bartos, I., & Bartosz, G. (2021). Biological Properties and Applications of Betalains. *Molecules*, 26(9), 2520. <https://doi.org/10.3390/molecules26092520>
- Sanap, P. P., Katariya, A. M., & Mahajan, Y. S. (2024). Ethyl acetate production by Fischer esterification: Use of excess of acetic acid and complete separation sequence. *International Journal of Chemical Reactor Engineering*, 22(6), 661–674. <https://doi.org/10.1515/ijcre-2024-0019>
- Sandate-Flores, L., Rodríguez-Hernández, D. V., Rostro-Alanis, M., Melchor-Martínez, E. M., Brambila-Paz, C., Sosa-Hernández, J. E., Parra-Saldívar, R., Rodríguez-Rodríguez, J., & Iqbal, H. M. N. (2022). Evaluation of three methods for betanin quantification in fruits from cacti. *MethodsX*, 9, 101746. <https://doi.org/10.1016/j.mex.2022.101746>
- Sanjiwani, N. M. S. S., I Wayan, S., Ni Putu Ayu, M. M., & Ketut, A. V. (2023). Formulasi dan Uji Sifat Fisik Cairan Penyubur Rambut yang berupa Sediaan Hair Tonic Ekstrak Seledri: Hairtonik. *Emasains : Jurnal Edukasi Matematika Dan Sains*, 12(2), 96–106. <https://doi.org/10.59672/emasains.v12i2.3127>
- Sarker, U., & Oba, S. (2019). Antioxidant constituents of three selected red and green color *Amaranthus* leafy vegetable. *Scientific Reports*, 9(1), 18233. <https://doi.org/10.1038/s41598-019-52033-8>

- Shen, L., Pang, S., Zhong, M., Sun, Y., Qayum, A., Liu, Y., Rashid, A., Xu, B., Liang, Q., Ma, H., & Ren, X. (2023). A comprehensive review of ultrasonic assisted extraction (UAE) for bioactive components: Principles, advantages, equipment, and combined technologies. *Ultrasonics Sonochemistry*, 101, 106646. <https://doi.org/10.1016/j.ultsonch.2023.106646>
- Srivastava, R. (2017). An updated review on phyto-pharmacological and pharmacognostical profile of *Amaranthus tricolor*: A herb of nutraceutical potentials. *The Pharma Innovation Journal*, 124, 124–129.
- Sukadiasa, P. I. K., Wintariani, N. P., & Putra, I. G. N. A. W. W. (2023). Uji Efektivitas Antibakteri Ekstrak Etanol 96% Tanaman Gonda (*Sphenoclea zeylanica* Gaertn) terhadap *Staphylococcus aureus*. *Jurnal Ilmiah Medicamento*, 9(1), 61–69. <https://doi.org/10.36733/medicamento.v9i1.4644>
- Sulastri, L., Indrawati, T., & Taurhesia, S. (2019). Uji Aktivitas Penyubur Rambut Gel Kombinasi Ekstrak Air Teh Hijau dan Herba Pegagan. *Medical Sains : Jurnal Ilmiah Kefarmasian*, 4(1), 19–34. <https://doi.org/10.37874/ms.v4i1.106>
- Sumerah, M., Yudistira, A., & Mansauda, K. L. R. (2020). Uji Aktivitas Amara dari Produk JST Ternak, Prebiotik Ternak, dan Asam Amino Ternak terhadap Tikus Putih Jantan (*Rattus norvegicus* L.) Galur Wistar. *PHARMACON*, 9(2), 246. <https://doi.org/10.35799/pha.9.2020.29278>
- Sutor, K., & Wybraniec, S. (2020). Identification and Determination of Betacyanins in Fruit Extracts of *Melocactus* Species. *Journal of Agricultural and Food Chemistry*, 68(41), 11459–11467. <https://doi.org/10.1021/acs.jafc.0c04746>
- Sy. Pakaya, M., Ain Thomas, N., Hasan, H., H. Hutuba, A., & Mbae, G. (2023). Isolasi, Karakterisasi, dan Uji Antioksidan Fungi Endofit dari Tanaman Batang Kunyit (*Curcuma domestica* Val.). *Journal Syifa Sciences and Clinical Research*, 5(2). <https://doi.org/10.37311/jsscr.v5i2.20341>
- Taha, E., Hekal, S., & Badawey, N. (2016). STUDIES OF SOME SKIN AND ITS COAT CHARACTERISTICS IN RELATION TO FEED ADDITIVES OF GROWING RABBITS. *Egyptian Journal of Rabbit Science*, 26(1), 105–119. <https://doi.org/10.21608/ejrs.2016.41879>
- Tanaka, S., Saito, M., & Tabata, M. (1980). Bioassay of Crude Drugs for Hair Growth Promoting Activity in Mice by a New Simple Method. *Planta Medica*, 40(S 1), 84–90. <https://doi.org/10.1055/s-2008-1075009>
- The separatory funnel—Labster*. (n.d.). Retrieved July 13, 2026, from https://theory.labster.com/separating_funnel/
- Udonkang, M. I., Inyang, I. J., Ukorebi, A. N., Effiong, F., Akpan, U., & Bassey, I. E. (2018). Spectrophotometry, Physiochemical Properties, and Histological Staining Potential of Aqueous and Ethanol Extracts of Beetroot on Various Tissues of an Albino Rat. *Biomedicine Hub*, 3(3), 1–10. <https://doi.org/10.1159/000492828>
- Ventosa, E. (2016). *Amaranthus tricolor* (*edible amaranth*) (p. 112199) [Dataset]. <https://doi.org/10.1079/cabicompendium.112199>
- Wang, X., Cai, C., Liang, Q., Xia, M., Lai, L., Wu, X., Jiang, X., Cheng, H., Song, Y., & Zhou, Q. (2022). Integrated Transcriptomics and Metabolomics Analyses of Stress-Induced Murine Hair Follicle Growth Inhibition. *Frontiers in Molecular Biosciences*, 9, 781619. <https://doi.org/10.3389/fmolb.2022.781619>
- Warditiani, N., Sari, P., Dewi, N., & Kote, J. (2024). Penumbuh Rambut Hair Tonic Aloe vera secara in vivo pada Kelinci. *JURNAL FARMASI UDAYANA*, 13. <https://doi.org/https://doi.org/10.24843/JFU.2024.v13.i01.p02>
- Wulandari, S. (2021). ANTI-BACTERIAL ACTIVITY TEST OF ETHANOL EXTRACTS AND ETHYLACETATE FRACTION FROM THE EXTRACT OF *JATROPHA CURCAS* L. LEAVES AGAINST *STAPHYLOCOCCUS AUREUS*. *Journal of Vocational Health Studies*, 5(1), 31. <https://doi.org/10.20473/jvhs.V5.I1.2021.31-38>
- Yang, J. Y., Kim, M. J., Kwon, Y. S., Chen, W., & Yin, F. (2023). Analysis and phytochemical profile of *Amaranthus tricolor* L. extract with antioxidative and antimicrobial properties. *Food Science and Technology*, 43. <https://doi.org/10.5327/fst.004823>

- Zendrato, R. S., Elfiyani, R., & Khaira Nursal, F. (2025). Kajian Literatur: Fungsi Propilen Glikol sebagai Humektan Terhadap Sifat Fisik Sediaan Semisolid. *Majalah Farmasetika*, 10(1), 17–32. <https://doi.org/10.24198/mfarmasetika.v10i1.42651>
- Zhang, H.-L., Qiu, X.-X., & Liao, X.-H. (2024). Dermal Papilla Cells: From Basic Research to Translational Applications. *Biology*, 13(10), 842. <https://doi.org/10.3390/biology13100842>
- Zurweni, Z., & Sanova, A. (2023). Development of UV-VIS Spectrophotometer Virtual Laboratory Media for Instrumental Analytical Chemistry Digital Practicum. *Formatif: Jurnal Ilmiah Pendidikan MIPA*, 13(1). <https://doi.org/10.30998/formatif.v13i1.17069>