

DAFTAR PUSTAKA

- Akhtar, N., Sharma, H., & Pathak, K. (2016). Onychomycosis: Potential of Nail Lacquers in Transungual Delivery of Antifungals. *Scientifica*, 2016, 1–12.
<https://doi.org/10.1155/2016/1387936>
- Alusinsing, S. (2017). Uji Aktivitas Ekstrak Daun Gedi Merah (*Abelmoschus manihot* L.), Dalam Menghambat Pertumbuhan Bakteri *Staphylococcus aureus*, Dan *Escherichia coli*. *PHARMACON*, 6(4).
<https://doi.org/10.35799/pha.6.2017.17713>
- Asmara, A. P. (2017). Uji Fitokimia Senyawa Metabolit Sekunder Dalam Ekstrak Metanol Bunga Turi Merah (*Sesbania grandiflora* L. Pers). *Al-Kimia*, 5(1), 48–59. <https://doi.org/10.24252/al-kimia.v5i1.2856>
- ATCC. (2019). ATCC: The Global Bioresource Center. Retrieved from Atcc.org website: <https://www.atcc.org/>
- Azkiya, Z., Ariyani, H., & Nugraha, T. S. (2017). EVALUASI SIFAT FISIK KRIM EKSTRAK JAHE MERAH (*Zingiber officinale* Rosc. var. *rubrum*) SEBAGAI ANTI NYERI. *JCPS (Journal of Current Pharmaceutical Sciences)*, 1(1), 12–18. Retrieved from <https://journal.umbjm.ac.id/index.php/jcps/article/view/75>
- Bodman, M. A., & Krishnamurthy, K. (2020). Onychomycosis. Retrieved September 13, 2023, from PubMed website: <https://www.ncbi.nlm.nih.gov/books/NBK441853/>

- Borade, A. S., Kale, B. N., & Shete, R. V. (2011). A phytopharmacological review on *Lawsonia inermis* (Linn.). *International Journal of Pharmacy & Life Sciences*, 536-541.
- Brooks, G. F., Butel, J. S., Morse, S. A., & Mudihardi, E. (2005). *Jawetz, Melnick, & Adelberg's mikrobiologi kedokteran*. Jakarta: Salemba Medika.
- Carmono. (2023). Ampuh Sembuhkan Insomnia, Ini Manfaat Lengkap Daun Inai yang Kamu Harus Tahu - Make Nyus. Retrieved October 12, 2023, from Ampuh Sembuhkan Insomnia, Ini Manfaat Lengkap Daun Inai yang Kamu Harus Tahu - Make Nyus website: <https://www.makenyus.com/lifestyle/7876457367/ampuh-sembuhkan-insomnia-ini-manfaat-lengkap-daun-inai-yang-kamu-harus-tahu>
- Depkes RI. (1979). *Farmakope Indonesia Edisi III*. Djakarta: Departemen Kesehatan Republik Indonesia.
- Depkes RI. (1995). *Farmakope Indonesia Edisi IV*. Djakarta: Departemen Kesehatan Republik Indonesia.
- Dulo, B., Phan, K., Githaiga, Raes, K., & De Meester, S. (2021). Natural Quinone Dyes: A Review on Structure, Extraction Techniques, Analysis and Application Potential. *Waste and Biomass Valorization* (Springer). <https://doi.org/10.1007/s12649-021-01443-9>
- Farnsworth, N. R. (1966). Biological and Phytochemical Screening of Plants. *Journal of Pharmaceutical Sciences*, 55(3), 225–276. <https://doi.org/10.1002/jps.2600550302>

- Fukuda, I. M., Pinto, C. F. F., Moreira, C. dos S., Saviano, A. M., Lourenço, F. R., Fukuda, I. M., ... Lourenço, F. R. (2018). Design of Experiments (DoE) applied to Pharmaceutical and Analytical Quality by Design (QbD). *Brazilian Journal of Pharmaceutical Sciences*, 54(SPE).
- <https://doi.org/10.1590/s2175-97902018000001006>
- Ghannoum, M., & Isham, N. (2014). Fungal Nail Infections (Onychomycosis): A Never-Ending Story? *PLoS Pathogens*, 10(6), e1004105.
- <https://doi.org/10.1371/journal.ppat.1004105>
- Goja, A., & Kumar Bhatt, G. (2019). Nail Lacquer As A Transungual Drug Delivery System . *Journal of Emerging Technologies and Innovative Research (JETIR)*, 6(2349-5162). Retrieved from <https://www.jetir.org/papers/JETIR1902625.pdf>
- Gozubuyuk, G. S., Aktas, E., & Yigit, N. (2014). An ancient plant Lawsonia inermis (henna): Determination of in vitro antifungal activity against dermatophytes species. *Journal de Mycologie Médicale*, 24(4), 313–318.
- <https://doi.org/10.1016/j.mycmed.2014.07.002>
- Gull, I., Sohail, M., Aslam, M., & Athar, M. (2013). Phytochemical, toxicological and antimicrobial evaluation of lawsonia inermis extracts against clinical isolates of pathogenic bacteria. *Annals of Clinical Microbiology and Antimicrobials*, 12(1), 36. <https://doi.org/10.1186/1476-0711-12-36>
- Hanin, E. (2014). *Analisis Fitokimia*. Jakarta: Buku Kedokteran.
- Henna, A. (2019). *Henna Design untuk Pernikahan, Life Style & Special Events*. Gramedia Pustaka Utama.

- Herwin Herwin, Ayyub Harly Nurung, Nur Intan Ambon, & Tadjuddin Naid. (2022). Identifikasi Komponen Kimia Ekstrak Etanol Daun Pacar Kuku (*Lawsonia inermis* L.) Sebagai Antibakteri Dan Antioksidan. *Journal Microbiology Science*, 2(1), 26–33. <https://doi.org/10.56711/jms.v2i1.824>
- Heyne, K. (1987). *Tumbuhan berguna Indonesia* (Jilid III). Jakarta: Badan Litbang Kehutanan.
- Joshi, M., Sharma, V., & Pathak, K. (2015). Matrix based system of isotretinoin as nail lacquer to enhance transungual delivery across human nail plate. *International Journal of Pharmaceutics*, 478(1), 268–277. <https://doi.org/10.1016/j.ijpharm.2014.11.050>
- Khusnul Khatimah, Mone, I., & Nurwahidah Fa'al Santri. (2018). Identifikasi Jamur Candida Sp Pada Kuku Jari Tangan Dan Kuku Kaki Petani Dusun Panaikang Desa Bontolohe Kecamatan Rilau Ale Kabupaten Bulukumba. *Jurnal Media Laboran*, 8(1), 39–43.
- Komala, O., Yulianita, & Siwi, F. R. (2020). Aktivitas Antijamur Ekstrak Etanol 50% Dan Etanol 96% Daun Pacar Kuku *Lawsonia inermis* L Terhadap *Trichophyton mentagrophytes*. *Ekologia: Jurnal Ilmiah Ilmu Dasar Dan Lingkungan Hidup*, 19(1), 12–19. Retrieved from <https://journal.unpak.ac.id/index.php/ekologia/article/view/1657/1364>
- Kreutz, T., Porto, S., & Letícia Scherer Koester. (2020). Recent Patents on Permeation Enhancers for Drug Delivery Through Nails. *Recent Patents on Drug Delivery & Formulation*, 13(3), 203–218. <https://doi.org/10.2174/1872211313666191030155837>

- Lipner, S. R., & Scher, R. K. (2019). Onychomycosis. *Journal of the American Academy of Dermatology*, 80(4), 835–851.
<https://doi.org/10.1016/j.jaad.2018.03.062>
- M. Kannahi. (2013). Antimicrobial activity of *Lawsonia inermis* leaf extracts against some human pathogens. *Int J Curr Microbiol Appl Sc*, 342-9.
- Madnani, N., & Khan, K. (2012). Nail cosmetics. *Indian Journal of Dermatology, Venereology, and Leprology*, 78(3), 309. <https://doi.org/10.4103/0378-6323.95445>
- Marjoni, R. (2016). *Dasar-dasar fitokimia untuk diploma III farmasi* (Vol. 143–147). Jakarta: CV. Trans Info Media.
- Mohammed Nadjib Rahmoun, Benabdallah, M., Didier Villemin, K. Boucherit, B. Mostefa-Kara, Chewki Ziani-Cherif, & Noureddine Choukchou-Braham. (2010). Antimicrobial screening of the Algerian *Lawsonia inermis* (henna). *Der Pharma Chemica*, 2(6), 320–326.
- Moutawalli, A., Benkhouili, F. Z., Doukkali, A., Benzeid, H., & Zahidi, A. (2023). The biological and pharmacologic actions of *Lawsonia inermis* L. *Phytomedicine Plus*, 3(3), 100468.
<https://doi.org/10.1016/j.phyplu.2023.100468>
- Muhamad , N. (2020). Jamur Kuku (Onikomikosis): Gejala, Penyebab, Pengobatan, dll. Retrieved October 12, 2023, from Informasi Kesehatan dan Tips Kesehatan - DokterSehat website: <https://doktersehat.com/penyakit-a-z/jamur-kuku/>

- N, A. (2020). Perbandingan Pertumbuhan Aspergillus fumigatus pada Media Instan Modifikasi Carrot Sucrose Agar dan Potato Dextrose Agar. *Jurnal Mikologi Indonesia*, 4(1), 168–174.
- Nurhayati, L. S., Yahdiyani, N., & Hidayatulloh, A. (2020). Perbandingan Pengujian Aktivitas Antibakteri Starter Yogurt Dengan Metode Difusi Sumuran Dan Metode Difusi Cakram . *Jurnal Teknologi Hasil Peternakan*, 1(2), 41. <https://doi.org/10.24198/jthp.v1i2.27537>
- PubChem. (2004a). Isopropyl alcohol. Retrieved from Nih.gov website: <https://pubchem.ncbi.nlm.nih.gov/compound/Isopropyl-alcohol>
- PubChem. (2004b, September 16). Ethyl acetate. Retrieved from Nih.gov website: <https://pubchem.ncbi.nlm.nih.gov/compound/ethyl-acetate>
- PubChem. (n.d.-a). 2-Hydroxy-1,4-naphthoquinone. Retrieved October 22, 2023, from pubchem.ncbi.nlm.nih.gov website: https://pubchem.ncbi.nlm.nih.gov/compound/2-Hydroxy-1_4-naphthoquinone#section=2D-Structure
- PubChem. (n.d.-b). 2-Methylprop-2-enoic acid;styrene. Retrieved May 2, 2024, from pubchem.ncbi.nlm.nih.gov website: <https://pubchem.ncbi.nlm.nih.gov/compound/165730#section=Use-and-Manufacturing>
- PubChem. (n.d.-d). Butyl acetate. Retrieved from pubchem.ncbi.nlm.nih.gov website: <https://pubchem.ncbi.nlm.nih.gov/compound/Butyl-acetate#section=Uses>

- Puri, V., Savla, R., Chen, K., Robinson, K., Virani, A., & Michniak-Kohn, B. (2022). Antifungal Nail Lacquer for Enhanced Transungual Delivery of Econazole Nitrate. *Pharmaceutics*, 14(10), 2204. <https://doi.org/10.3390/pharmaceutics14102204>
- Rajendra, V. B., A. Prince Baró, Kumari, A., Dinesh Dhamecha, Lahoti, S. R., & Santosh Shelke. (2012). Transungual drug delivery: An overview. *Journal of Applied Pharmaceutical Science*, 203-209(2231-3354).
- Rowe, R. C., & American Pharmacists Association. (2009). *Handbook of pharmaceutical excipients 6th*. London ; Chicago: Apha/Pharmaceutical Press.
- S Narasimha Murthy, & Maibach, H. I. (2012). *Topical Nail Products and Ungual Drug Delivery*. CRC Press.
- Sari, S. A., Dharmawan, R., & Dirgahayu, P. (2012). The antifungal effect of roselle calyx extract on Trichophyton rubrum growth in vitro. *Biofarmasi Journal of Natural Product Biochemistry*, 10(1), 17–22. <https://doi.org/10.13057/biofar/f100103>
- Sariyanti, M., Agustria, P. M., Herlambang, W. F., & Sinuhaji, B. (2021). Identification of Dermatophyte Fungi Causing Tinea pedis and Tinea unguium in Malabero Coastal Communities, Bengkulu. *Microbiology Indonesia*, 15(1), 21–26. <https://doi.org/10.5454/mi.15.1.4>
- Sasaki, K., Abe, H., & Yoshizaki, F. (2002). In Vitro Antifungal Activity of Naphthoquinone Derivatives. *Biological and Pharmaceutical Bulletin*, 25(5), 669–670. <https://doi.org/10.1248/bpb.25.669>

- Schalka, S., Nunes, S., & Castro, H. (2012). Comparative clinical evaluation of efficacy and safety of a formulation containing ciclopirox 8% in the form of a therapeutic nail lacquer in two different posologies for the treatment of onychomycosis of the toes. *Anais Brasileiros de Dermatologia*, 87(1), 19–25. <https://doi.org/10.1590/s0365-05962012000100002>
- Shai, A. (2009). *Handbook Of Cosmetic Skin Care, Second Edition-5*. Informa Healthcare.
- Sudaxshina Murdan. (2002). Drug delivery to the nail following topical application. *International Journal of Pharmaceutics*, 236(1-2), 1–26. [https://doi.org/10.1016/s0378-5173\(01\)00989-9](https://doi.org/10.1016/s0378-5173(01)00989-9)
- Supian, F. N. A., & Osman, N. I. (2023). Phytochemical and Pharmacological Activities of Natural Dye Plant, *Lawsonia inermis* L. (Henna). *J Young Pharm*, 15(2), 201–211. <https://doi.org/10.5530/jyp.2023.15.29>
- Tabara, K., Szewczyk, A. E., Bienias, W., Wojciechowska, A., Pastuszka, M., Oszukowska, M., & Kaszuba, A. (2015). Amorolfine vs. ciclopirox – lacquers for the treatment of onychomycosis. *Advances in Dermatology and Allergology*, 1, 40–45. <https://doi.org/10.5114/pdia.2014.40968>
- Wahyuningsih, R., Adawiyah, R., Sjam, R., Prihartono, J., Ayu Tri Wulandari, E., Rozaliyani, A., ... Denning, D. W. (2021). Serious fungal disease incidence and prevalence in Indonesia. *Mycoses*, 64(10), 1203–1212. <https://doi.org/10.1111/myc.13304>
- Westerberg, D. P., & Voyack, M. J. (2013). Onychomycosis: Current Trends in Diagnosis and Treatment. *American Family Physician*, 88(11), 762–770.

World Bank. (2022). Population, Total | Data. Retrieved September 13, 2023, from
Worldbank.org website:

<https://data.worldbank.org/indicator/SP.POP.TOTL>

Zach. (2021). How to Interpret the F-Value and P-Value in ANOVA. Retrieved

October 12, 2023, from Statology website:

<https://www.statology.org/anova-f-value-p-value/>

