

## REFERENCE

- Aditya, A. S. D. (2021). Uji Efektivitas Sediaan Krim Ekstrak Bunga Melati (*Jasminum sambac* L.) Terhadap Pertumbuhan Bakteri *Propionibacterium Acne*. *Jurnal Farmasi dan Kesehatan Indonesia*, 1(2), 1–12. <https://doi.org/10.61179/jfki.v1i2.234>
- Afolabi, O. K., Oyewo, E. B., Adeleke, G. E., Badmus, J. A., & Wusu, A. D. (2019). Mitigation of aluminium phosphide-induced hematotoxicity and ovarian oxidative damage in wistar rats by hesperidin. *American Journal of Biotechnology*, 9(1), 7-16. *Biochemistry and* <https://doi.org/10.5923/j.ajb.20190901.03>
- Aghababaei, F., & Hadidi, M. (2023). Recent advances in potential health benefits of quercetin. *Pharmaceuticals*, 16(7), 1020. <https://doi.org/10.3390/ph16071020>
- Agustin, V., Ismiyati, N., & Sulistyawati, R. (2023). Formulasi Sediaan Gel Total Jerawat Ekstrak Bunga Melati (*Jasminum sambac* L). *Indonesian Journal on Medical Science*, 10(1), 31–36. <https://doi.org/10.55181/ijms.v10i1.413>
- Basito, B. (2011). Efektivitas Penambahan Etanol 95% Dengan Variasi Asam Dalam Proses Ekstraksi Pigmen Antosianin Kulit Manggis (*Garcinia mangostana* L.). *Jurnal Teknologi Hasil Pertanian*, 4(2). <https://doi.org/10.20961/jthp.v0i0.13570>
- Chang, Y., Yang, C., Sun, R., Cheng, Y., Kao, W., & Yang, P. (2013). Rapid single cell detection of *Staphylococcus aureus* by aptamer-conjugated gold nanoparticles. *Scientific Reports*, 3(1). <https://doi.org/10.1038/srep01863>
- Dambur, A. M. R., Malluka, R., Anton, N., & Kursia, S. (2019). Formulasi dan Pengujian Stabilitas Fisik Gel Antijerawat Liofilisat Limbah Kokon Asal Kabupaten Soppeng. *Jurnal Farmasi Medica/Pharmacy Medical Journal (PMJ)*, 2(2), 70. <https://doi.org/10.35799/pmj.2.2.2019.26529>
- Efendi, Y. N., & Hertiani, T. (2012). Antimicrobial Potency of Ant-Plant Extract (*Myrmecodia tuberosa* JACK.) Against *Candida albicans*, *Escheria coli*, AND *Staphylococcus aureus*. *Traditional Medicine Journal*, 18(1), 53–58. <https://doi.org/10.22146/tradmedj.7944>
- Gu, K., Ouyang, P., Hong, Y., Dai, Y., Tang, T., Han, Q., ... & Yin, L. (2022). Geraniol inhibits biofilm formation of methicillin-resistant staphylococcus

- aureus and increase the therapeutic effect of vancomycin in vivo. *Frontiers in Microbiology*, 13. <https://doi.org/10.3389/fmicb.2022.960728>
- Guo, W., Qiu, M., Pu, Z., Long, N., Yang, M., Ren, K., ... & Dai, M. (2023). Geraniol-a potential alternative to antibiotics for bovine mastitis treatment without
- Makassar. (2019). disturbing the host microbial community or causing drug residues and resistance. *Frontiers in Cellular and Infection Microbiology*, 13. <https://doi.org/10.3389/fcimb.2023.1126409>
- Hafid, M., Setiawati, H., Pratiwi, I., Sasmita Laspin, Dina Audia, & Program Studi Farmasi, Universitas Pancasakti Formulasi dan Uji Stabilitas Fisik Gel Ekstrak Etil Asetat Daun Sirih Hijau (*Piper betle* L) Menggunakan Variasi Basis Gel. In *FitoMedicine : Journal Pharmacy and Sciences* (Vol. 11, Issue 2, pp. 40–41) [Journal-article].
- Hafsi W, Arnold DL, Kassardjian M. Acne Conglobata. [Updated 2023 Jun 1]. In: StatPearls [Internet]. Treasure Island (FL): StatPearls Publishing; 2024 Jan-. Available from: <https://www.ncbi.nlm.nih.gov/books/NBK459219/>
- Hidayah, N., Herawati, A., & Habibi, A. (2019). Identifikasi Kandungan Fitokimia Ekstrak Bunga Melati (*Jasminum sambac* (L.)ai) Komoditas Lokal yang Berpotensi Sebagai Antilarvasida. *Dinamika Kesehatan Jurnal Kebidanan Dan Keperawatan*, 10(1). <https://doi.org/10.33859/dksm.v10i1>
- Hu, S., Zhao, M., Li, W., Wei, P., Liu, Q., Chen, S., Zeng, J., Ma, X., & Tang, J. (2022). Preclinical evidence for quercetin against inflammatory bowel disease: a meta-analysis and systematic review. *Inflammopharmacology*, 30(6), 2035–2050. <https://doi.org/10.1007/s10787-022-01079-8>
- Irianto, I. D. K., Purwanto, P., & Mardan, M. T. (2020). Aktivitas Antibakteri dan Uji Sifat Fisik Sediaan Gel Dekokta Sirih Hijau (*Piper betle* L.) Sebagai Alternatif Pengobatan Mastitis Sapi. *Majalah Farmaseutik*, 16(2), 202. <https://doi.org/10.22146/farmaseutik.v16i2.53793>
- Islam, M. T., Rodríguez-Hornedo, N., Ciotti, S., & Ackermann, C. (2004). Rheological characterization of topical carbomer gels neutralized to different pH. *Pharmaceutical Research*, 21(7), 1192–1199. <https://doi.org/10.1023/b:pham.0000033006.11619.07>
- Ismanto, H. (2023). Uji Organoleptik Keripik Udang (*L. vannamei*) Hasil Penggorengan Vakum. *Jurnal AgroSainTa Widyaiswara Mandiri Membangun Bangsa*, 6(2), 53–58. <https://doi.org/10.51589/ags.v6i2.3137>

- Julianto, T. S. (2014). *Minyak Atsiri Bunga Indonesia* (Edisi 1). Deepublish.
- Khalil, H. P. S. A., Yahya, E. B., Tajarudin, H. A., Balakrishnan, V., & Nasution, H. (2022). Insights into the Role of Biopolymer-Based Xerogels in Biomedical Applications. *Gels*, 8(6), 334. <https://doi.org/10.3390/gels806033>
- Klančnik, A., Piskernik, S., Jeršek, B., & Možina, S. S. (2010). Evaluation of diffusion and dilution methods to determine the antibacterial activity of plant extracts. *Journal of Microbiological Methods*, 81(2), 121–126. <https://doi.org/10.1016/j.mimet.2010.02.004>
- Kolarsick, P. a. J., Kolarsick, M. A., & Goodwin, C. (2011). Anatomy and Physiology of the Skin. *Journal of the Dermatology Nurses' Association*, 3(4), 203–213. <https://doi.org/10.1097/jdn.0b013e3182274a98>
- Kraft, J., & Freiman, A. (2011). Management of acne. *CMAJ : Canadian Medical Association journal = journal de l'Association medicale canadienne*, 183(7), E430–E435. <https://doi.org/10.1503/cmaj.090374>
- Latifah-Munirah, B., Himratul-Aznita, W., & Zain, N. (2015). Eugenol, an essential oil of clove, causes disruption to the cell wall of candida albicans (atcc 14053). *Frontiers in Life Science*, 8(3), 231-240. <https://doi.org/10.1080/21553769.2015.1045628>
- Lim, T. K. (2014). *Jasminum sambac*. *Edible Medicinal and Non Medicinal Plants*, 529–540. doi:10.1007/978-94-017-8748-2\_39
- Maghfiroh, E. Q. A. (2014). Uji Aktivitas Antibakteri Ekstrak Bunga *Jasminum sambac* Ait. Terhadap Pertumbuhan Bakteri *Staphylococcus aureus* ATCC 25923 dan *Shigella flexneri* ATCC 1202. In *Seminar Nasional XI Pendidikan Biologi FKIP UNS*.
- Mohiuddin Ak. (2019). A Comprehensive Review of Acne Vulgaris. *J Clin Pharm* Vol: 1, Issu: 1 (17-45).
- Mukhriani. (2014). Ekstraksi, Pemisahan Senyawa, dan Identifikasi Senyawa Aktif. *Jurnal Kesehatan, Volume VII No. 2/2014*.
- Nugraha, D., Yusuf, A. L., & Wahianto, P. (2023). Narrative Review: Optimization of ethanol as a solvent for flavonoid compounds in papaya leaf extraction. *Ad-Dawaa Journal of Pharmacy*, 1(2), 107–110. <https://doi.org/10.52221/dwj.v1i2.496>
- Palladini, G., Garbarino, C., Luppi, A., Russo, S., Filippi, A., Arrigoni, N., Massella, E., & Ricchi, M. (2023). Comparison between broth

microdilution and agar disk diffusion methods for antimicrobial susceptibility testing of bovine mastitis pathogens. *Journal of Microbiological Methods*, 212, 106796. <https://doi.org/10.1016/j.mimet.2023.106796>

Putri, R. N., Wahidah, S. N., Hosiyah, Al Hafidz, I. T., & Faisal. (2023). Uji Daya Hambat Antimikroba Secara Difusi Sumuran dan Difusi Paper Disk. In *Era Sains : Journal of Science, Engineering and Information Systems Research*. Era Literasi. <https://jurnal.eraliterasi.com/index.php/erasains>

Rakhmawati, A. (2022). Antimicrobial Activity and Chemical Composition Analysis of *Jasminum sambac* L. and *Plumeria alba* L. Flower Extracts: [doi.org/10.26538/tjnpr/v6i3.6](https://doi.org/10.26538/tjnpr/v6i3.6). *Tropical Journal of Natural Product Research (TJNPR)*, 6(3), 330-338. <https://www.tjnpr.org/index.php/home/article/view/130>

Safaepour, M., Shahverdi, A. R., Shahverdi, H. R., & Shahverdi, M. R. (2009). Green Synthesis of Small Silver Nanoparticles Using Geraniol and Its Cytotoxicity against Fibrosarcoma-Wehi 164. *Avicenna Journal of Medical Biotechnology*, 111–115.

Shadab, K., Aney, J., & Patel Anjum. (2018). ANTI-ACNE HERBS: A REVIEW [Review Article]. *World Journal of Pharmaceutical Research*, 7(9), 464–481. <https://doi.org/10.20959/wjpr20189-12181m>

Sharma, GS., Anusha, L., Shireesh Kiran, R., Geetha, K., Rama Rao, T., & Department of Pharmaceutics, CMR College of Pharmacy. (2022). A Review on Pharmaceutical Gels. *YMER*, 1338. <http://ymerdigital.com>

Siswanto, E., Syamsul, Ajrina, N., Amanda, Lestari, D., STIKES Samarinda, & Universitas Muhammadiyah Kalimantan Timur. (2020). Perbandingan Ekstrak Lamur *Aquilaria malaccensis* Dengan Metode Maserasi dan Refluks. In *JURNAL RISET KEFARMASIAN INDONESIA* (Vol. 2, Issue 2, pp. 97–99).

Sutaria AH, Masood S, Saleh HM, et al. Acne Vulgaris. [Updated 2023 Aug 17]. In: StatPearls [Internet]. Treasure Island (FL): StatPearls Publishing; 2024 Jan-. Available from: <https://www.ncbi.nlm.nih.gov/books/NBK459173/>

Tari, M., Indriani, O., & Program Studi S1 Farmasi Sekolah Tinggi Ilmu Kesehatan ‘Aisyiyah Palembang. (2023). Formulasi dan Uji Stabilitas Fisik Sediaan Krim Ekstrak Sembung Rambat (*Mikania micrantha* Kunth). In *Babul Ilmi\_Jurnal Ilmiah Multi Science Kesehatan* (Vol. 15, Issue 1, pp. 192–211)

[Journal-article]. <https://jurnal.stikes-aisyiyah-palembang.ac.id/index.php/Kep/article/view/126>

Tsabitah, A. F., Zulkarnain, A. K., Wahyuningsih, M. S. H., & Nugrahaningsih, D. a. A. (2020). Optimasi Carbomer, Propilen Glikol, dan Trietanolamin Dalam Formulasi Sediaan Gel Ekstrak Etanol Daun Kembang Bulan (*Tithonia diversifolia*). *Majalah Farmaseutik*, *16*(2), 111. <https://doi.org/10.22146/farmaseutik.v16i2.45666>

Tungadi, R., Pakaya, M. S., & DAs'ali, P. W. (2023). Formulasi dan Evaluasi Stabilitas Fisik Sediaan Krim Senyawa Astaxanthin. *Indonesian Journal of Pharmaceutical Education*, *3*(1). <https://doi.org/10.37311/ijpe.v3i1.14612>

Ulanowska, M., & Olas, B. (2021). Biological Properties and Prospects for the Application of Eugenol—A review. *International Journal of Molecular Sciences*, *22*(7), 3671. <https://doi.org/10.3390/ijms2207367>

Un Nabi, S. A. A., Sheraz, M. A., Ahmed, S., Mustaan, N., & Ahmad, I. (2016). Pharmaceutical Gels: A Review. In *RADS-JPPS*. Baqai Medical University.

Utama, A. I., Fifendy, M., & Advinda, L. (2022). Anti acne Solid Soap Antimicrobial Activity Test against *Staphylococcus aureus* Bacteria that Causes Acne. *Jurnal Serambi Biologi*, *7*(1), 99-107. <https://doi.org/10.24036/srmb.v7i1.57>

Vasconcelos, P., Lee, K., Abuna, G., Costa, E., & Murata, R. (2024). Monoterpene antifungal activities: evaluating geraniol, citronellal, and linalool on candida biofilm, host inflammatory responses, and structure–activity relationships. *Frontiers in Pharmacology*, *15*. <https://doi.org/10.3389/fphar.2024.1394053>

Wahidah, S., Saputri, G. a. R., & Nofita, N. (2024). Formulasi dan Uji Stabilitas Sediaan Gel Ekstrak Etanol Daun Asam Jawa (*Tamarindus indica* L.) dengan Variasi Gelling Agent. *Jurnal Mandala Pharmacon Indonesia*, *10*(2), 508–518. <https://doi.org/10.35311/jmpi.v10i2.623>

Wahyu, U., Prabowo, W. C., & Masruhim, M. A. (2016). Aktivitas Antibakteri Masker Peel-Off Ekstrak Etil Asetat Bunga Melati (*Jasminum sambac*). *Proceeding of Mulawarman Pharmaceuticals Conferences*, *3*, 440–446. <https://doi.org/10.25026/mpc.v3i2.144>

Wang, H. B., Wang, P. H., Yang, X. D., Cheng, X. H., Dong, M. R., Guo, Y. J., Liu, C., Yang, Z. Q., & Zhou, H. L. (2019). Extraction, partial identification and bioactivities of total flavonoids from *Carex meyeriana* kunth. *American Journal of Biochemistry and Biotechnology*, *15*(3), 125-137. <https://doi.org/10.3844/ajbbsp.2019.125.137>

- Xie, Y., Yang, W., Tang, F., Chen, X., & Ren, L. (2015). Antibacterial activities of flavonoids: structure-activity relationship and mechanism. *Current medicinal chemistry*, 22(1), 132–149. <https://doi.org/10.2174/0929867321666140916113443>
- Yadav, M., Chae, S., Im, G., Chung, J., & Song, J. (2015). Eugenol: a phyto-compound effective against methicillin-resistant and methicillin-sensitive staphylococcus aureus clinical strain biofilms. *Plos One*, 10(3), e0119564. <https://doi.org/10.1371/journal.pone.0119564>
- Yousef H, Alhaji M, Fakoya AO, et al. Anatomy, Skin (Integument), Epidermis. [Updated 2024 Jun 8]. In: StatPearls [Internet]. Treasure Island (FL): StatPearls Publishing; 2024 Jan-. Available from: <https://www.ncbi.nlm.nih.gov/books/NBK470464/>
- Zendrato, R. S., Elfiyani, R., & Nursal, F. K. (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, Y., Lu, J., Ben, L. J., Xu, P. F., Jia, Y. G., Chen, Z. Y., & Yan, Z. W. (2021). Optimization of cellulase-assisted extraction of total flavonoids from corn bract and evaluation of antioxidant and antibacterial activities. *American Journal of Biochemistry and Biotechnology*, 15(2), 61-74. <https://doi.org/10.3844/ajbbsp.2019.61.74>
- Zito PM, Badri T. Acne Fulminans. [Updated 2023 Jul 24]. In: StatPearls [Internet]. Treasure Island (FL): StatPearls Publishing; 2024 Jan-. Available from: <https://www.ncbi.nlm.nih.gov/books/NBK459326/>