

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

Azwanida NN. (2015) A review on the extraction methods use in medicinal plants, principle, strength, and limitation. *Med Aromat Plants*;4:196

Azimi, H., Fallah-Tafti, M., Khakshur, A.A., dan Abdollahi, M., (2012), A review of phytotherapy of acne vulgaris: Perspective of new pharmacological treatments, *Fitoterapia*, 83: 1306–1317. <https://doi.org/10.1016/J.FITOTE.2012.03.026>.

Bell KA, Brumfiel CM, Haidari W, Boger L. (2021) Trifarotene for the treatment of facial and truncal acne. *Ann Pharmacother*. 2021;55(1):111–116. doi: 10.1177/1060028020934892.

Bladt, S., & Wagner, H. 1996. *Plant Drug Analysis: A Thin Layer Chromatography Atlas*(2nd Edition). Springer-Verlag. <https://doi.org/10.1007/978-3-642-00574-9>

Bhaigyabati, T., Devi, G., & Bag, G. (2014). Total Flavonoid Content and Antioxidant Activity of Aqueous Rhizome Extract of Three *Hedychium* Species of Manipur Valley.

Chandra M, Levitt J, Pensabene CA (2012). "Hydroquinone therapy for post-inflammatory hyperpigmentation secondary to acne: not just prescribable by dermatologists". *Acta Dermato-Venereologica* (Review). 92 (3): 232–5. doi:10.2340/00015555-1225. PMID 2200281

Susceptibility Testing of Anaerobic Bacteria: Rubik's Cube of Clinical Microbiology? *Antibiotics*. 2017;6:25. doi: 10.3390/antibiotics6040025

Deplewski D., Rosenfield R.L. (2000). Role of Hormones in Pilosebaceous Unit Development. *Endocr. Rev.* 2000;21:30. doi: 10.1210/edrv.21.4.0404.

Dian Ramadhan, A., Rakhman Hakim, A., & Byna, A. (2023). IDENTIFIKASI SENYAWA TERPENOID DARI EKSTRAK ETANOL DAUN KARINAT (*Rubus moluccanus* L) DENGAN METODE KROMATOGRAFI LAPIS TIPIS. *Jurnal Farmasi SYIFA*, 1(1), 17–19.

Donald PL, Lampman GM, Kritz GS, Randall G. Engel (2006) introduction to organic laboratory techniques. 4th ed. Thomson Brooks/Cole; 2006. pp. 797–817.

Nortjie, E., Basitere, M., Moyo, D., & Nyamukamba, P. (2022). Extraction Methods, Quantitative and Qualitative Phytochemical Screening of Medicinal Plants for Antimicrobial Textiles: A Review. *Plants (Basel, Switzerland)*, 11(15), 2011. <https://doi.org/10.3390/plants11152011>

Ingle KP, Deshmukh AG, Padole DA, Dudhare MS, Moharil MP, Khelurkar VC. (2017) Phytochemicals: Extraction methods, identification, and detection of bioactive compounds from plant extracts. *J Pharmacogn Phytochem.* 2017;6:32–6.

Izzah, N., Kadang, Y., Permatasari, A., Akademi Farmasi Sandi Karsa Makassar, & Program Studi D-III Farmasi Sandi Karsa Makassar. (2019). UJI IDENTIFIKASI SENYAWA ALKALOID EKSTRAK METANOL DAUN KELOR (*Moringa oleifera* Lamk) DARI KAB.ENDE NUSA TENGGARA TIMUR SECARA KROMATOGRAFI LAPIS TIPIS. In *Jurnal Farmasi Sandi Karsa* (Vol. 5, Issue 1, pp. 52–53) [Journal-article].



Jack, I. R., Ekong, R. E., & Ndukwe, G. I. (2020). Phytochemical constituents of dichloromethane fraction and essential oil of *Napoleonaea imperialis* rind. *Journal of Pharmacognosy and Phytochemistry*, 9(5), 59–66.
<https://doi.org/10.22271/phyto.2020.v9.i5a.12664>

J. Azmir, I.S.M. Zaidul, M.M. Rahman, K.M. Sharif, A. Mohamed, F. Sahena, M.H.A. Jahurul, K. Ghafoor, N.A.N. Norulaini, A.K.M. Omar,(2013) Techniques for extraction of bioactive compounds from plant materials: A review, *Journal of Food Engineering*, Volume 117, Issue 4, 2013,Pages 426-436, ISSN 0260-8774,
<https://doi.org/10.1016/j.jfoodeng.2013.01.014>.

Leung AKC, Barankin B, Hon KL.(2015) Adolescent acne vulgaris: an overview of therapeutic options. *Consultant Pediatr*. 2015;14:63–65.

Mathiyazhagan Narayanan, A. Chanthini, Natarajan Devarajan, Mythili Saravanan, Amal Sabour, Maha Alshiekheid, Nguyen Thuy Lan Chi, Kathirvel Brindhadevi (2023),Antibacterial and antioxidant efficacy of ethyl acetate extract of *Cymodocea serrulata* and assess the major bioactive components in the extract using GC-MS analysis,*Process Biochemistry*,Volume 124,2023,Pages 24-32,ISSN 1359-5113,<https://doi.org/10.1016/j.procbio.2022.10.036>.

Markham, K. R. (1988).*Cara Mengidentifikasi Flavonoid*, diterjemahkan oleh Padmawinata. K., Penerbit ITB, Bandung.

Mayslich C., Grange P.A., Dupin N.(2021) *Cutibacterium acnes* as an opportunistic pathogen: an update of its virulence-associated factors. *Microorganisms*. 2021 doi: 10.3390/microorganisms 9020303

of acne vulgaris and associated psychological distress on self-esteem and quality of life via regression modeling with CADI, DLQI, and WHOQoL. *Sci Rep* **13**, 21084 (2023).
<https://doi.org/10.1038/s41598-023-48182-6>

Murwanto, P. E., & Santosa, D. (2012). UJI AKTIVITAS ANTIOKSIDAN TUMBUHAN *Cynara scolimus* L., *Artemisia china* L., *Borreria repens* DC., *Polygala paniculata* L. HASIL KOLEKSI DARI TAMAN NASIONAL GUNUNG MERAPI DENGAN METODE PENANGKAPAN RADIKAL DPPH (2,2-DIFENIL-1-PIKRILHIDRAZIL). In *Majalah Obat Tradisional* (Vol. 17, Issue 3, pp. 53–60).

Nguyen M T, Nguyen V T, Minh L V, Trieu L H, Cang M H, Bui L B, Le X T and Danh V T (2020) *IOP Conf. Ser.: Mater. Sci. Eng.* **736** 062011

NR. Widyaningrum , Sri Saptuti. , Veronika Tria Agustina , Wella Sulistiyah Identifikasi kromatografi lapis tipis dan efektivitas ekstrak etilasetat daun talok (*Muntingia calabura* L) sebagai analgetik. (2019). In *Avicenna Journal of Health Research* (Vol. 2, Issue 1, pp. 84–94).

N T C Quyen, Quyen N T N, Nhan L T H, Toan T Q. (2020) *IOP Conf. Ser.: Mater. Sci. Eng.* **991** 012019

Purwantiningsih, T.I., Suranindyah, Y.Y., dan Widodo, (2014), Aktivitas Senyawa Fenol dalam Buah Mengkudu (*Morinda citrifolia*) Sebagai Antibakteri Alami Untuk Penghambatan Bakteri Penyebab Mastitis, *Buletin Peternakan*, 38: 59–64.

Platsidaki E and Dessinioti C. (2018) Recent advances in understanding *Propionibacterium acnes* (*Cutibacterium acnes*) in acne [version 1; peer

(<https://doi.org/10.12688/f1000research.15659.1>)

Prasetia, D. I. ., Ingriani, M., & Ilsan, N. A. (2019). UJI SENSITIVITAS ANTIBIOTIK KOTRIMOKSAZOL TERHADAP BAKTERI *Salmonella* sp. DENGAN METODE MODIFIKASI KIRBY-BAUER. *Jurnal Mitra Kesehatan*, 2(1), 7–11. <https://doi.org/10.47522/jmk.v2i1.23>

Saša Đurović, Rubén Domínguez, Mirian Pateiro, Nemanja Teslić, José M. Lorenzo, Branimir Pavlić (2022), Chapter 9 - Industrial hemp nutraceutical processing and technology, Editor(s): Milica Pojić, Brijesh K. Tiwari, Industrial Hemp, Academic Press, 2022, Pages 191-218, ISBN 9780323909105, <https://doi.org/10.1016/B978-0-323-90910-5.000087>

Sherman J, Fried B, Dekker M.(1991) New York, NY: Handbook of Thin-Layer Chromatography;.

Subrata, A. dan Lawrence, V., (2021), Efek Antibakteri Ekstrak Etanol Daun Pandan Wangi (*Pandanus amaryllifolius*) Terhadap *Enterococcus faecalis* (In Vitro), *Jurnal Kedokteran* <https://doi.org/10.25105/jkgt.v3i2.12631>. *Gigi Terpadu*, 3

Tan JK, Bhate K. A (2015) global perspective on the epidemiology of acne. *Br J Dermatol.* 2015;172(Suppl 1):3–12.

Vasam, M., Korutla, S., & Bohara, R. A. (2023). Acne vulgaris: A review of the pathophysiology, treatment, and recent nanotechnology based advances. *Biochemistry and biophysics reports*, 36, 101578. <https://doi.org/10.1016/j.bbrep.2023.101578>

Wairata, Johanis & Fadlan, Arif & Purnomo, Adi & Taher, Muhammad & Ersam, Taslim. (2021). Total Phenolic and Flavonoid Contents, Antioxidant, Antidiabetic and



Antiplasmodial Activities of *Garcinia forbesii* King: A Correlation Study. *Arabian Journal of Chemistry*. 15. 103541. 10.1016/j.arabjc.2021.103541.

Wakte K.V., Nadaf A.B., Thengane R.J., Jawali N. (2009), *Pandanus amaryllifolius* Roxb. cultivated as spice in coastal regions of India. *Genet. Resour. Crop Evol.* 2009;56:735–740. doi: 10.1007/s10722-009-9431-5.

Wongpornchai, S. (2006) “27 - Pandan Wangi.” In *Handbook of Herbs and Spices*, edited by K. V. Peter, 453–59. Woodhead Publishing Series in Food Science, Technology and Nutrition. Woodhead Publishing, 2006. <https://doi.org/10.1533/9781845691717.3.453>.

Weinstein MP, Limbago B, Patel JB, Mathers AJ, Campeau S, Mazzulli T, Eliopoulos GM, Patel R, Galas MF, Richter SS. (2018). M100 performance standards for antimicrobial susceptibility testing. Clinical and Laboratory Standards Institute, Wayne, PA.

Wiert, C., (2021), *Medicinal Plants in the Asia Pacific for Zoonotic Pandemics*, Volume 1, CRC Press, United States. ISBN: 9781351059077.

Wikler MA, Cockerill FR, Craig WA, Dudley MN, Eliopoulos GM, Hecht DW, Hindler JF, Ferraro MJ, Swenson JM, Low DE. (2015). M02-A12: performance standards for antimicrobial disk susceptibility tests: approved standard, 12th ed. Clinical and Laboratory Standards Institute, Wayne, PA.

Williams, H.C., Dellavalle, R.P., dan Garner, S., (2012), *Acne vulgaris*, *The Lancet*, 379: 361–372. [https://doi.org/10.1016/S0140-6736\(11\)60321-8](https://doi.org/10.1016/S0140-6736(11)60321-8).

Motosko CC, Zakhem GA, Pomeranz MK, Hazen A. (2019) Acne: a side-effect of masculinizing hormonal therapy in transgender patients. *Br J Dermatol.* 2019 Jan;180(1):26-30.

Thiboutot D, Dréno B, Sanders V, Rueda MJ, Gollnick H. Changes in the management of acne: 2009–2019. *J Am Acad Dermatol.* 2020;82(5):1268–1269. doi: 10.1016/j.jaad.2019.04.012.

Hauk L. Acne vulgaris: treatment guidelines from the AAD. *Am Fam Physician.* 2017;95(11):740–741.

Hazarika N. Acne vulgaris: new evidence in pathogenesis and future modalities of treatment. *J. Dermatol. Treat.* 2021 doi: 10.1080/09546634.2019.1654075.

Hidayani, Cut Eliza.(2021) “Analysis of Anti-Bacterial Activity of Ethanol Extract Fragrant Pandan Leaves (*Pandanus amaryllifolius* Roxb) Against the Growth of Disease Cause Pathogen Bacteria Using the Agar Diffusion Method.” *Budapest International Research in Exact Sciences (BirEx Journal), vol. 3, no. 3, Aug. 2021, pp. 213–28.* <https://doi.org/10.33258/birex.v3i3.2349>.

Venkatachalam Balamurugan, Kannan Raja, Subramaniam Selvakumar, Krishnan Vasanth, (2022) Phytochemical screening, antioxidant, anti-diabetic and cytotoxic activity of leaves of *Pandanus canaranus* Warb, *Materials Today: Proceedings*, Volume 48, Part 2, 2022, Pages 322-329, ISSN 2214-7853, <https://doi.org/10.1016/j.matpr.2020.07.603>.

WHO, 2021, Antimicrobial resistance, <https://www.who.int/news-room/fact-sheets/detail/antimicrobial-resistance>, Diakses pada 21 Juni 2024 pukul 13:50 WIB

York, H., Funk, W., Fischer, W., & Wimmer, H. (1990). *Thin-Layer Chromatography. Reagents and detection methods.*



UNIVERSITAS
GADJAH MADA

PROFIL FITOKIMIA DAN UJI AKTIVITAS ANTIBAKTERI FRAKSI HEKSANA, ETIL ASETAT, DAN ETANOL DAUN PANDAN

(*Pandanus amaryllifolius* Roxb.) TERHADAP *Cutibacterium acnes*

Riaho Wicaksono, apt.Purwanto, M.Sc., Ph.D.

Universitas Gadjah Mada, 2025 | Diunduh dari <http://etd.repository.ugm.ac.id/>

Zhang, Q. W., Lin, L. G., & Ye, W. C. (2018). Techniques for extraction and isolation

of natural products: a comprehensive review. *Chinese medicine*, 13, 20.

<https://doi.org/10.1186/s13020-018-0177-x>

Zouboulis CC: *Propionibacterium acnes* and sebaceous lipogenesis: a love-hate relationship? *J Invest Dermatol.* 2009;129(9):2093–6. 10.1038/jid.2009.190