

DAFTAR PUSTAKA

1. Zumla A, Ustianowski A. Tropical Diseases. Definition, Geographic Distribution, Transmission, and Classification. *Infect Dis Clin North Am*. 2012 Jun;26(2):195–205.
2. Ali Z, Mumtaz N, Naz SA, Jabeen N, Shafique M. Multi-Drug Resistant *Pseudomonas Aeruginosa*: A threat of nosocomial infections in tertiary care hospitals. *J Pak Med Assoc*. 2015;65(1):12–6.
3. Murray PR, Rosenthal KS, Pfaller MA. *Pseudomonas and Related Bacteria*. In: Murray: *Medical Microbiology*. 8th ed. Philadelphia: Elsevier; 2016. p. 272–9.
4. Pang Z, Raudonis R, Glick BR, Lin TJ, Cheng Z. Antibiotic resistance in *Pseudomonas aeruginosa*: mechanisms and alternative therapeutic strategies. *Biotechnol Adv*. 2019 Jan;37(1):177–92.
5. Marwati M, Amidi A. Pengaruh Budaya, Persepsi, dan Kepercayaan terhadap Keputusan Pembelian Obat Herbal. *J Ilmu Manaj*. 2019 May 8;7(2):168–80.
6. Jennifer H, Saptutyingsih E. Preferensi Individu terhadap Pengobatan Tradisional di Indonesia. *J Ekon dan Stud Pembang*. 2015;16(1):26–41.
7. Nurhayani N, Rosmeli R. Guncangan Harga dan Pangsa Pasar Ekspor Kayu Manis Kabupaten Kerinci. *J Sains Sosio Hum*. 2019 Nov 25;3(2):189–97.
8. Emilda E. EFEK SENYAWA BIOAKTIF KAYU MANIS (*Cinnamomum burmanii* NEES EX.BL.) TERHADAP DIABETES MELITUS: KAJIAN PUSTAKA. *J Fitofarmaka Indones*. 2018 Feb 21;5(1):246–52.
9. Mubarak Z, Chismirina S, Qamari CA. Aktivitas Antibakteri Ekstrak Kayu Manis (*Cinnamomum Burmannii*) Terhadap Pertumbuhan *Enterococcus Faecalis*. *Cakradonya Dent J*. 2016;8(1):1–76.
10. Chouhan S, Sharma K, Guleria S. Antimicrobial Activity of Some Essential Oils—Present Status and Future Perspectives. *Medicines*. 2017 Aug 8;4(3):58.
11. Kawatra P, Rajagopalan R. Cinnamon: Mystic powers of a minute

- ingredient. *Pharmacognosy Res.* 2015 Sep 1;7(Suppl 1):S1.
12. Mengenal Kayu Manis [Internet]. [cited 2022 Mar 15]. Available from: <https://banten.litbang.pertanian.go.id/new/index.php/publikasi/folder/966-mengenal-kayu-manis>
 13. Idris H, Mayura E. Sirkuler informasi teknologi tanaman rempah dan obat : teknologi budidaya dan pasca panen kayu manis (*cinnamomum burmannii*). In: Rosman R, Ruhnayat A, Fatimah S, Maslahah N, Efiana, Miftahudin, editors. Balai Penelitian Tanaman Rempah dan Obat. Bogor: Balai Penelitian Tanaman Rempah dan Obat; 2019.
 14. Agrotek. Klasifikasi dan Morfologi Tanaman Kayu Manis - Ilmu Pertanian [Internet]. 2022 [cited 2022 Mar 15]. Available from: <https://agrotek.id/klasifikasi-dan-morfologi-tanaman-kayu-manis/>
 15. Varietas Koerintji, Si Kulit Manis dari Jambi yang Siap Mendukung Program Perbenihan Nasional – Balitro [Internet]. Balai Penelitian Tanaman Rempah dan Obat. 2019 [cited 2022 Mar 15]. Available from: <https://balitro.litbang.pertanian.go.id/?p=6526>
 16. *Cinnamomum burmannii* (padang cassia). In: *Invasive Species Compendium* [Internet]. CABI; 2019 [cited 2022 Mar 15]. Available from: <https://www.cabi.org/isc/datasheet/13516>
 17. Chandula Weerasekera A, Samarasinghe K, Krishantha Sameera de Zoysa H, Chathuranga Bamunuarachchige T, Yashasvi Waisundara V. *Cinnamomum zeylanicum*: Morphology, Antioxidant Properties and Bioactive Compounds . *Antioxidants - Benefits, Sources, Mech Action.* 2021 Sep 8;
 18. Andrade MA, Ribeiro-Santos R, Melo NR de, Sanches-Silva A. Bioactive Compounds of Cinnamon - A Valuable Aromatic Plant for Food Packaging. *Int Conf Saf Innov Food Packag.* 2016;
 19. Rivai H, Misfadhila S, Ningsih W. Analisis Fitokimia dari Ramuan Obat Tradisional Untuk Nyeri Haid: Kulit Kayu Manis (*Cinnamomum burmannii* Blume). 2019;1–7.
 20. Dey P, Kundu A, Kumar A, Gupta M, Lee BM, Bhakta T, et al. Analysis of

- alkaloids (indole alkaloids, isoquinoline alkaloids, tropane alkaloids).
Recent Adv Nat Prod Anal. 2020 Jan 1;505.
21. Othman L, Sleiman A, Abdel-Massih RM. Antimicrobial Activity of Polyphenols and Alkaloids in Middle Eastern Plants. *Front Microbiol.* 2019;10(MAY):911.
 22. Tarahovsky YS, Kim YA, Yagolnik EA, Muzafarov EN. Flavonoid–membrane interactions: Involvement of flavonoid–metal complexes in raft signaling. *Biochim Biophys Acta - Biomembr.* 2014 May 1;1838(5):1235–46.
 23. Rafał IG, Króliczewski BJ, Górniak I, Bartoszewski R, Króliczewski AJ. Comprehensive review of antimicrobial activities of plant flavonoids. *Phytochem Rev* 2018 181. 2018 Oct 6;18(1):241–72.
 24. Kaczmarek B. Tannic Acid with Antiviral and Antibacterial Activity as A Promising Component of Biomaterials—A Minireview. *Materials (Basel).* 2020 Jul 1;13(14).
 25. Mugford ST, Osbourn A. Saponin Synthesis and Function. *Isoprenoid Synth Plants Microorg New Concepts Exp Approaches.* 2012 Jan 1;405–24.
 26. Sudarmi K, Darmayasa IBG, Muksin IK. UJI FITOKIMIA DAN DAYA HAMBAT EKSTRAK DAUN JUWET (*Syzygium cumini*) TERHADAP PERTUMBUHAN *Escherichia coli* DAN *Staphylococcus aureus* ATCC. *SIMBIOSIS J Biol Sci.* 2017 Sep 30;5(2):47.
 27. Ernawati E (Ernawati), Sari K (Kumala). Kandungan Senyawa Kimia Dan Aktivitas Antibakteri Ekstrak Kulit Buah Alpukat (*Persea Americana* P.mill) Terhadap Bakteri *Vibrio Alginolyticus*. *J Kaji Vet.* 2015;3(2):203–11.
 28. Mahizan NA, Yang SK, Moo CL, Song AAL, Chong CM, Chong CW, et al. Terpene Derivatives as a Potential Agent against Antimicrobial Resistance (AMR) Pathogens. *Molecules.* 2019 Jul 19;24(14).
 29. Manu DK. Antimicrobial Activity of Cinnamaldehyde or Geraniol alone or Combined with High Pressure Processing to Destroy *Escherichia coli*

- O157:H7 and *Salmonella enterica* in Juices. [Ames]: Iowa State University, Digital Repository; 2016.
30. Nowotarska SW, Nowotarski K, Grant IR, Elliott CT, Friedman M, Situ C. Mechanisms of Antimicrobial Action of Cinnamon and Oregano Oils, Cinnamaldehyde, Carvacrol, 2,5-Dihydroxybenzaldehyde, and 2-Hydroxy-5-Methoxybenzaldehyde against *Mycobacterium avium* subsp. *paratuberculosis* (Map). *Foods*. 2017 Sep 1;6(9).
 31. Firmino DF, Cavalcante TTA, Gomes GA, Firmino NCS, Rosa LD, De Carvalho MG, et al. Antibacterial and Antibiofilm Activities of Cinnamomum Sp. Essential Oil and Cinnamaldehyde: Antimicrobial Activities. *Sci World J*. 2018;2018.
 32. Mohammadi Nejad S, Özgüneş H, Başaran N. Pharmacological and Toxicological Properties of Eugenol. *Turkish J Pharm Sci*. 2017;14(2):201.
 33. Xiaojun K, Xiwang L, Jianyong L, Yajun Y. Advances in Pharmacological Research of Eugenol. *Curr Opin Complement Altern Med*. 2014;1(1):8–11.
 34. Xu JG, Liu T, Hu QP, Cao XM. Chemical Composition, Antibacterial Properties and Mechanism of Action of Essential Oil from Clove Buds against *Staphylococcus aureus*. *Molecules*. 2016 Sep 1;21(9).
 35. Patil SD, Sharma R, Srivastava S, Navani NK, Pathania R. Downregulation of *yidC* in *Escherichia coli* by Antisense RNA Expression Results in Sensitization to Antibacterial Essential Oils Eugenol and Carvacrol. *PLoS One*. 2013 Mar 4;8(3).
 36. ITIS - Report: *Pseudomonas aeruginosa* [Internet]. [cited 2022 Mar 16]. Available from: https://www.itis.gov/servlet/SingleRpt/SingleRpt?search_topic=TSN&search_value=965278#null
 37. Brooks GF, Carroll KC, Butel JS, Morse SA, Mietzner TA. Pseudomonads, Acinetobacters, and Uncommon Gram-Negative Bacteria. In: Jawetz, Melnick, & Adelberg's *MEDICAL MICROBIOLOGY*. 26th ed. McGraw-Hill; 2013. p. 245–54.
 38. Wilson MG, Pandey S. *Pseudomonas Aeruginosa*. StatPearls [Internet].

- 2021 Aug 11 [cited 2022 Mar 16]; Available from: <https://www.ncbi.nlm.nih.gov/books/NBK557831/>
39. Al-Saffar MF, Jarallah EM. Isolation and characterization of pseudomonas aeruginosa from babylon province. *Biochem Cell Arch.* 2019 Apr 1;19(1):203–9.
 40. Murray PR, Rosenthal KS, Pfaller MA. Laboratory Diagnosis of Bacterial Diseases. In: *Medical Microbiology*. 9th ed. Elsevier; 2021. p. 161–8.
 41. Irianto K. Bakteriologi medis (medical bacteriology). In: *Bakteriologi, Mikrobiologi, dan Virologi Panduan Medis dan Klinis*. Bandung: Penerbit Alfabeta; 2014. p. 1–318.
 42. Brooks GF, Carroll KC, Butel JS, Morse SA, Mietzner TA. Cell Structure. In: *Jawetz, Melnick, & Adelberg's MEDICAL MICROBIOLOGY*. 26th ed. McGraw-Hill; 2013. p. 11–42.
 43. Riedel S, Hobden JA, Miller S, Morse SA, Mietzner TA, Detrick B, et al. Cell Structure. In: *Jawetz, Melnick, & Adelberg's MEDICAL MICROBIOLOGY*. 28th ed. McGraw-Hill; 2019. p. 11–42.
 44. Ude J, Tripathi V, Buyck JM, Söderholm S, Cunrath O, Fanous J, et al. Outer membrane permeability: Antimicrobials and diverse nutrients bypass porins in *Pseudomonas aeruginosa*. *Proc Natl Acad Sci U S A.* 2021 Aug 3;118(31).
 45. Chevalier S, Bouffartigues E, Bodilis J, Maillot O, Lesouhaitier O, Feuilloy MGJ, et al. Structure, function and regulation of *Pseudomonas aeruginosa* porins. *FEMS Microbiol Rev.* 2017 Sep 1;41(5):698–722.
 46. Soedarto. Bakteri-bakteri Patogen. In: *Mikrobiologi Kedokteran*. Jakarta: Sagung Seto; 2015. p. 193–394.
 47. Bucior I, Pielage JF, Engel JN. *Pseudomonas aeruginosa* Pili and Flagella Mediate Distinct Binding and Signaling Events at the Apical and Basolateral Surface of Airway Epithelium. *PLoS Pathog.* 2012 Apr;8(4).
 48. Leighton TL, Mok MC, Junop MS, Howell PL, Burrows LL. Conserved, unstructured regions in *Pseudomonas aeruginosa* PilO are important for type IVa pilus function. *Sci Reports* 2018 81. 2018 Feb 8;8(1):1–12.

49. Thi MTT, Wibowo D, Rehm BHA. *Pseudomonas aeruginosa* Biofilms. *Int J Mol Sci.* 2020 Nov 2;21(22):1–25.
50. Michalska M, Wolf P. *Pseudomonas* Exotoxin A: optimized by evolution for effective killing. *Front Microbiol.* 2015;6(SEP):15.
51. Havaei SM, Aucoin MG, Jahanian-Najafabadi A. *Pseudomonas* Exotoxin-Based Immunotoxins: Over Three Decades of Efforts on Targeting Cancer Cells With the Toxin. *Front Oncol.* 2021 Dec 16;11:5158.
52. Prasad ASB, Shruptha P, Prabhu V, Srujan C, Nayak UY, Anuradha CKR, et al. *Pseudomonas aeruginosa* virulence proteins pseudolysin and protease IV impede cutaneous wound healing. *Lab Investig* 2020 10012. 2020 Aug 15;100(12):1532–50.
53. Çelik B. Investigation of Phospholipase C Activity of *Pseudomonas* Species Isolated from Water and Soil Samples by Different Methods. *Int J Adv Res Biol Sci.* 2020;7(5):99–104.
54. Murray PR, Rosenthal KS, Pfaller MA. *Pseudomonas* and Related Bacteria. In: Murray: *Medical Microbiology*. 9th ed. Elsevier; 2021. p. 278–85.
55. Calhoun C, Wermuth HR, Hall GA. Antibiotics. *StatPearls.* 2021 Jun 8;
56. Kapoor G, Saigal S, Elongavan A. Action and resistance mechanisms of antibiotics: A guide for clinicians. *J Anaesthesiol Clin Pharmacol.* 2017 Jul 1;33(3):300.
57. Gultom JM. Formulasi dan Uji Aktivitas Antibakteri Sediaan Gel Ekstrak Etanol Kulit Kayu Manis (*Cinnamomum burmanni*) terhadap *Propionibacterium acnes* dan *Staphylococcus epidermidis*. Universitas Sumatera Utara; 2021.
58. Clinical and Laboratory Standards Institute. *Methods for Dilution Antimicrobial Susceptibility Tests for Bacteria that Grow Aerobically*. In: CLSI document M07-A11. 11th ed. Wayne, PA, USA; 2018.
59. Eloff J A. A sensitive and quick microplate method to determine the minimal inhibitory concentration of plant extracts for bacteria. *Planta Med.* 1988;64:711–3.
60. Biotechne. ELISA Guide. [cited 2022 Apr 26]; Available from:

<https://resources.rndsystems.com/images/site/rnd-systems-elisa-guide-br3.pdf>

61. Nurhayati LS, Yahdiyani N, Hidayatulloh A. Perbandingan Pengujian Aktivitas Antibakteri Starter Yogurt dengan Metode Difusi Sumuran dan Metode Difusi Cakram. *J Teknol Has Peternak*. 2020;1(2):41–6.
62. Bintang M. Teknik Ekstraksi Senyawa Bioaktif. In: Safitri A, editor. *Biokimia Teknik Penelitian*. 2nd ed. Jakarta: Erlangga; 2018. p. 291–309.
63. Kawi JS, Yulianti E, Limanan D, Ferdinal F. Phytochemicals Profiling and Total Antioxidant Capacity of Cinnamon Bark Extract (*Cinnamomum burmannii*). *Adv Heal Sci Res*. 2021;41:33–8.
64. Shalihah A, Christianty FM, Fajrin FA. Anti inflammatory Activity of the Ethanol Extract of Cinnamon (*Cinnamomum burmannii*) Bark using Membrane Stabilization Method and Protein Denaturation. *Indones J Pharm Sci Technol*. 2021;1(1):9–14.
65. Budiastuti, Andini YW, Cahyasari IA, Primaharinastiti R, Sukardiman. Standardization Bark of *Cinnamomum burmannii* Nees Ex Bl. from Five Areas of Indonesia. *Pharmacogn J*. 2020 May 1;12(3):578–88.
66. Repi NB, Mambo C, Wuisan J. Uji efek antibakteri ekstrak kulit kayu manis (*Cinnamomum burmannii*) terhadap *Escherichia coli* dan *Streptococcus pyogenes*. *J e-Biomedik*. 2016;4(1).
67. Halim F, Dewi BDN, Sutandhio S. The Comparison Of Antibacterial Effects On *Cinnamomum Burmannii* Water Extract With Penicillin Against *Staphylococcus Aureus* In Vitro. *J WIDYA Med Jr*. 2020;2(1):47–57.
68. Nurullaili Y, Hertiani T. Potensi Antimikroba Ekstrak Etanol Sarang Semut (*Myrmecodia tuberosa* Jack.) terhadap *Candida albicans*, *Escherichia coli*, dan *Staphylococcus aureus*. *Trad Med J*. 2013;18(1):53–8.
69. Dewi ZY, Nur A, Hetriani T. Efek Antibakteri dan Penghambatan Biofilm Ekstrak Sereh (*Cymbopogon nardus* L.) terhadap Bakteri *Streptococcus mutans*. *Maj Ked Gi Ind*. 2015;1(2):136–41.