

## DAFTAR PUSTAKA

1. Meisarani A, Ramadhina ZM. Kandungan Senyawa Kimia Dan Bioaktivitas. *Farmaka*. 2018;14:213–21.
2. Kissinger K, Budi S. Penggunaan Daun Galam (*Melaleuca Cajuputi*) Sebagai Bahan Olahan Permen Bagi Komunitas Pengolah Jajanan Tradisional. *J Pengabdian Al-Ikhlas*. 2024;10(1):37–46.
3. Aryani F, Pertanian JT, Pertanian P, Samarinda N, Sam J, Kampus R, Et Al. Penyulingan Minyak Kayu Putih (*Melaleuca Cajuputi*) Dengan Suhu Yang Berbeda *Cajuputi (Melaleuca Cajuputi) Essential Oil Distillation By Using Different Temperatures*. *Bul Loupe* . 2020;16(02):51–6.
4. William. Trease And Evans' Pharmacognosy Chapter-22 Volatil Oil And Resins Ed.6th. W.B. Saunders; 2009. 263–303 P.
5. Al-Abd NM, Mohamed Nor Z, Mansor M, Azhar F, Hasan MS, Kassim M. Antioxidant, Antibacterial Activity, And Phytochemical Characterization Of *Melaleuca Cajuputi* Extract. *BMC Complement Altern Med* [Internet]. 2015;15(1):1–13.
6. Isah M, Rosdi RA, Wahab, Abdullah H, Sul'ain MD, Ishak WRW. Phytoconstituents And Biological Activities Of *Melaleuca Cajuputi* Powell: A Scoping Review. *J Appl Pharm Sci*. 2023;13(1):10–23.
7. Noor AAM, Rosdi RA, Sul'ain MD, Wan Abdul Wahab WNA, Wan Ishak WR. Antidepressant And Anxiolytic Effects Of *Melaleuca Cajuputi* Essential Oil On Chronic Immobilization Stress (CIS)-Induced Mice Model. *J Med Pharm Allied Sci*. 2023;12(1):5653–61.
8. Noor AAM, Yusuf SM, Wahab WNAWA, Adam MFIC, Sul'ain MD. Evaluation On Composition, Antioxidant And Toxicity Of *Melaleuca Cajuputi* Leaves. *Adv Tradit Med* 2021;21(4):693–9.
9. Adelina R. Study Of Indonesian Medicinal Plants Potentially As Antidepressants. *Pus Biomedis Dan Teknol Dasar Kesehatan, Badan Litbang Kesehatan, Kemenkes RI*. 2013;3(1):9–18.
10. World Health Organization. Depressive Disorder (Depression). World

Health Organization. 2023. P.

11. Sánchez-Vidaña DI, Ngai SPC, He W, Chow JKW, Lau BWM, Tsang HWH. The Effectiveness Of Aromatherapy For Depressive Symptoms: A Systematic Review. *Evidence-Based Complement Altern Med*. 2017;2017.
12. Mat SC, Idroas MY, Teoh YH, Hamid MF. Physicochemical, Performance, Combustion And Emission Characteristics Of Melaleuca Cajuputi Oil-Refined Palm Oil Hybrid Biofuel Blend. *Energies*. 2018;11(11):1–20.
13. Manek LM, Purba MP, Benu Y, Wiru N, Pola BDK, Leba AS. Morfologi Kayu Putih (Melaleuca Cajuputi Subsp. Cajuputi) Dan Sifat Fisis Serta Rendemen Minyak Dari Dua Lokasi Yang Berbeda Di Kabupaten Timor Tengah Utara. *Semin Nas Politani Kupang Ke-6 Kupang*. 2023;110–8.
14. Craven LA, Lepschi BJ. Enumeration Of The Species And Intraspecific Taxa Of Melaleuca (Myrtaceae) Occurring In Australia And Tasmania. *Aust Syst Bot*. 1999;12(6):819–927.
15. Ariyanti M. Cajuput (Melaleuca Cajuputi) As A Medicine Oil Producing Plant Review Artikel. *Agronomika*. 2022;20(2):1–23.
16. Alqamari M, Tarigan DM, Alridiwiisah. *Budidaya Tanaman Obat & Rempah*. Umsu Press. 2017. 1–257 P.
17. Kehutanan BBP Dan PTH Dengan DJBU. *Budidaya Dan Prospek Pengembangan Kayu Putih (Melaleuca Cajuputi)*. Na'iem M, Mahfudz, Prabawa SB, Editors. Jakarta: IPB Press; 2014.
18. Brophy JJ, Craven LA, Doran JC. *Melaleucas: Their Botany, Essential Oils And Uses*. ACIAR Monogr. 2013;156:415 Pp.
19. Rimbawanto A, Kartikawati NK, Prastyono. *Minyak Kayuputih Dari Tanaman Asli Indonesia Untuk Masyarakat Indoneisa. Penambahan Natrium Benzoat Dan Kalium Sorbat (Antiinversi) Dan Kecepatan Pengadukan Sebagai Upaya Penghambatan Reaksi Inversi Pada Nira Tebu*. Yogyakarta: Penerbit Kaliwangi (IKAPI); 2017.
20. Brophy JJ, Doran JC. *Essential Oils Of Tropical Asteromyrtus, Callistemon And Melaleuca Species: In Search Of Interesting Oils With Commercial Potential*. ACIAR Monogr. 1996;129.
21. Saurmaria R, Utomo WH. *Kajian Sifat Fisik Tanah Pada Berbagai Umur*

- Tanaman Kayu Putih (*Melaleuca Cajuputi*) Di Lahan Bekas Tambang Batubara Pt Bukit Asam (PERSERO). *J Tanah Dan Sumber Lahan*. 2017;4(2):2549–9793.
22. Pujiarti R, Ohtani Y, Ichiura H. Physicochemical Properties And Chemical Compositions Of *Melaleuca Leucadendron* Leaf Oils Taken From The Plantations In Java, Indonesia. *J Wood Sci*. 2011;57(5):446–51.
  23. Agus Wibowo M, Ardiningsih P, Jayuska A, Kimia J, Matematika Dan Ilmu Pengetahuan Alam F, Tanjungpura U, Et Al. Characterization Of The Essential Oil Of *Eucalyptus* Leaves (*Melaleuca Leucadendra*) From Pontianak City And Its Activity Again. *J ILMU DASAR*. 2023;24(2):121.
  24. Jajaei SM, Daud WRW, Markom M, Zakaria Z, Presti M Lo, Costa R, Et Al. Extraction Of *Melaleuca Cajuputi* Using Supercritic Fluid Extraction And Solvent Extraction. *J Essent Oil Res*. 2010;22(3):205–10.
  25. De Sousa DP, De Assis Oliveira F, Arcanjo DDR, Da Fonsêca DV, Duarte ABS, De Oliveira Barbosa C, Et Al. Essential Oils: Chemistry And Pharmacological Activities—Part II. *Biomedicines*. 2024;12(6).
  26. PRAMONO AA. Variasi Produksi Benih Gelam (*Melaleuca Leucadendron*) Pada Beberapa Tegakan Di Sumatera Selatan. 2016;2:143–8.
  27. Wibowo MA, Sari DN, Jayuska A, Ardiningsih P. Komposisi Kimia Dan Uji Aktivitas Antibakteri Minyak Atsiri Daun Kayu Putih (*Melaleuca Cajuputi*) Dari Kota Singkawang. *Biopropal Ind*. 2021;12(1):1.
  28. Elya Susana S. Minyak Kayu Putih, Obat Alami Dengan Banyak Khasiat: Tinjauan Sistematis Susana. *J Kedokt Meditek*. 2020;26(2):51–9.
  29. Zhang J, Wu H, Jiang D, Yang Y, Tang W, Xu K. The Antifungal Activity Of Essential Oil From *Melaleuca Leucadendra* (L.) L. Grown In China And Its Synergistic Effects With Conventional Antibiotics Against *Candida*. *Nat Prod Res*. 2019;33(17):2545–8.
  30. Wei Y, Cui J, Fu C, Xu B, Shi M, Dai Y, Et Al. Effects Of Cang-Ai Volatile Oil On Depressed Mood And Cortical Excitability In Human. *Pharmacol Res - Mod Chinese Med*. 2023;6(November 2022).
  31. Scientific E. Chemical In Gas Chromatography Gas Chromatography ( GC ) Is Suitable For The Separation And Analysis Of Sub- Stances That Display

- An Adequate Volatility In The Chromatographic System Used . The Criteria For This General Definition Are Rather Loose , As Th. Steroids. 1975;13:303–56.
32. Aryani F. Pengenalan Atsiri ( Melaleuca Cajuputi ) Cara Poduksi Dan Pengujian. Jurusan Teknologi Pertanian Politeknik Pertanian Negeri Samarinda. Samarinda; 2020. 1–38 P.
  33. Muchtaridi. Development Of Essential Oils Their Potential As Pharmaceutical Products. J Teknol Ind Pertan. 2015;17(3):80–8.
  34. Irfan N, Nurani LH, Guntarti A, Salamah N, Edityaningrum CA. Analisis Profil Minyak Atsiri Daun Kayu Putih (Melaleuca Leucadendra L.) Dan Produk Di Pasaran. J Food Pharm Sci. 2022;10(3):754–62.
  35. Guenther E. The Essential Oils: History, Origin In Plants, Production. Analysis. 1972;1:147–51.
  36. Akdağ A, Dergisi EÖ-SÜFFF, 2019 U. Distillation Methods Of Essential Oils. SÜ Fenfakültesi Fendergis [Internet]. 2019;45(1):22–31.
  37. Kumar R, Tripathi YC. Getting Fragrance From Plants. 2011;0–27.
  38. Lego N, Shadap A, Momin KC. Essential Oils And The Methods Of Extraction. Aromat Plants Technol Hum Welf Beyond. 2021;(April):145–68.
  39. Haykal MH, Trisnawan NN, Wiguno A, Kuswandi K. Extraction Of Essential Oil From Moringa Oleifera Leaves Using Steam Distillation And Soxhlet Extraction Method. J Tek Kim Dan Lingkungan. 2024;8(1):56–62.
  40. Božović M, Navarra A, Garzoli S, Pepi F, Ragno R. Essential Oils Extraction: A 24-Hour Steam Distillation Systematic Methodology. Nat Prod Res. 2017;31(20):2387–96.
  41. Darmapatni KAG. Pengembangan Metode GC-MS Untuk Penetapan Kadar Acetaminophen Pada Spesimen Rambut Manusia. J Biosains Pascasarj. 2016;18(3):255.
  42. Nurhaen N, Winarsii D, Ridhay A. Isolasi Dan Identifikasi Komponen Kimia Minyak Atsiri Dari Daun, Batang Dan Bunga Tumbuhan Salembangu (Melissa Sp.). Nat Sci J Sci Technol. 2016;5(2):149–57.
  43. Rachmad Saputra R, Ariefin M, Kristia E, Diki Wahyudi D, Rahman A,



- Wayan Prema Mulya Sari N, Et Al. Aplikasi Instrumen Spektroskopi FTIR Dan Spektrometri Massa Di Dunia Kesehatan: Review. *J Cendekia Kim.* 2022;02(01):2023.
44. Rubakhin SS, Sweedler J V. A Mass Spectrometry Primer For Mass Spectrometry Imaging. *Methods Mol Biol.* 2010;656:21–49.
  45. Medhe S. Mass Spectrometry: Detectors Review. *Chem Biomol Eng.* 2018;3(4):51.
  46. (UK) NCC For MH. Depression In Adults: Screening, Treatment And Management. *Pharm J.* 2023;(June 2022).
  47. Departemen Kesehatan RI. Pharmaceutical Care Untuk Penderita Gangguan Depresif. *Koan.* 2007;81.
  48. Dillasamola D. Teknik Evaluasi Bioaktivitas. *Pharmacognosy Magazine.* Padang: LPPM-Universitas Andalas; 2021.
  49. Lotfaliany M, Hoare E, Jacka FN, Kowal P, Berk M, Mohebbi M. Variation In The Prevalence Of Depression And Patterns Of Association, Sociodemographic And Lifestyle Factors In Community-Dwelling Older Adults In Six Low- And Middle-Income Countries. *J Affect Disord.* 2019;251(March):218–26.
  50. Munro M, Milne R. Symptoms And Causes Of Depression, And Its Diagnosis And Management. *Nurs Times.* 2020;116(4):18–22.
  51. Bhowmik D, Sampath Kumar KP, Srivastava S, Paswan S, Dutta AS. The Pharma Innovation Depression -Symptoms, Causes, Medications And Therapies. 2012;1(3).
  52. Miftaachul Muharrom MD. Hubungan Usia , Jenis Kelamin , Aktivitas Fisik Terhadap Depresi Pada Lansia Di Samarinda. *Borneo Student Res.* 2020;1(3):1359–64.
  53. Schaakxs R, Comijs HC, Van Der Mast RC, Schoevers RA, Beekman ATF, Penninx BWJH. Risk Factors For Depression: Differential Across Age? *Am J Geriatr Psychiatry.* 2017;25(9):966–77.
  54. Tri Mayasari NNW. Overview Of Depression. *E-Jurnal Med Udayana.* 2013;1938–57.
  55. Dirgayunita A. Depresi: Ciri, Penyebab Dan Penangannya. *J An-Nafs Kaji*

- Penelit Psikol. 2016;1(1):1–14.
56. Robby DR. Hubungan Antara Kecerdasan Spiritual Dengan Depresi Pada Penyandang Cacat Paska Kusta Di Liposos Donorojo Binaan Yastimakin Bangsri Jepara. *J Soc Ind Psychol*. 2013;2(1):50–5.
  57. Zakaria FH, Samhani I, Mustafa MZ, Shafin N. Pathophysiology Of Depression: Stingless Bee Honey Promising As An Antidepressant. *Molecules*. 2022;27(16).
  58. Jesulola E, Micalos P, Baguley IJ. Understanding The Pathophysiology Of Depression: From Monoamines To The Neurogenesis Hypothesis Model - Are We There Yet? *Behav Brain Res*. 2018;341:79–90.
  59. Brigitta B. Pathophysiology Of Depression And Mechanisms Of Treatment. *Dialogues Clin Neurosci*. 2002;4(1):7–20.
  60. Lathifah DS, Damayanti E, Oktarlina RZ, Yuliyanda C. Penerapan Terapi Non-Farmakologi Pada Pasien Dengan Gangguan Depresi Application Of Non-Pharmacological Therapy In Patients With Depression. *Medula*. 2024;14(5):858–63.
  61. World Health Organization. Group Interpersonal Therapy (IPT) For Depression. World Health Organization. 2016.
  62. Daskalakis ZJ, Dimitrova J, Mcclintock SM, Sun Y, Voineskos D, Rajji TK, Et Al. Magnetic Seizure Therapy (MST) For Major Depressive Disorder. *Neuropsychopharmacology*. 2020;45(2):276–82.
  63. Dipiro JT, Talbert GC., Yee GR., Matzke BG., Wells LMP. *Pharmacotherapy: A Pathophysiology Approach*, 10th Edition. Mc-Graw Hill Med. 2017;6007–48.
  64. Ningtyas RA, Puspitasari MI, Sinuraya KA. Review Artikel : Farmakoterapi Depresi Dan Pengaruh Jenis Kelamin Terhadap Efikasi Antidepresan. *Farmaka*. 2019;16(2):186–201.
  65. Dina Khairani, Ilyas S, Yurnadi. Prinsip Dan Praktik Hewan Percobaan Mencit (*Mus Musculus*). 2024;
  66. Yusuf MMRA-G, Rorrong YYA, Badaring DR, Aswanti H, MZ SMA, Nurazizah, Et Al. Teknik Manajemen Dan Pengelolaan Hewan Percobaan. *Jur Biol FMIPA Prgram Stud Biol*. 2022;1–109.

67. Herrera-Ruiz M, Gutiérrez C, Enrique Jiménez-Ferrer J, Tortoriello J, Mirón G, León I. Central Nervous System Depressant Activity Of An Ethyl Acetate Extract From Ipomoea Stans Roots. *J Ethnopharmacol.* 2007;112(2):243–7.
68. Sharma S, Handu S, Kumar A, Dubey, Sharma P, Mediratta P, Et Al. Anti-Anxiety And Anti-Depressant Like Effects Of *Murraya Koenigii* In Experimental Models Of Anxiety And Depression. 2017;36(4).
69. Kristiyani A, Ikawati Z, Gani AP, Sofro ZM. Animal Models For Antidepressant Activity Assay On Natural And Conventional Agents: A Review Of Preclinical Testing. *J Herbmec Pharmacol.* 2024;13(4):523–36.
70. Vaz GN, Turcato FC, Lima IAV, Scarante FF, Araújo MR, Brigante TAV, Et Al. Genetic Ablation Of The Isoform  $\Gamma$  Of PI3K Decreases Antidepressant Efficacy Of Ketamine In Male Mice. *IBRO Neurosci Reports.* 2024;17(May):87–95.
71. Martins J, Brijesh S. Anti-Depressant Activity Of *Erythrina Variegata* Bark Extract And Regulation Of Monoamine Oxidase Activities In Mice. Vol. 248, *Journal Of Ethnopharmacology.* Elsevier B.V.; 2020. 112280 P.
72. Richard G. Lister. The Use Of A Plus-Maze To Measure Anxiety In The Mouse. *Psychopharmacology (Berl).* 1987;92(2):180–5.
73. Chatterjee M, Verma P, Maurya R, Palit G. Evaluation Of Ethanol Leaf Extract Of *Ocimum Sanctum* In Experimental Models Of Anxiety And Depression. *Pharm Biol.* 2011;49(5):477–83.
74. Widiyanto A, Siarudin M. Karakteristik Daun Dan Rendemen Minyak Atsiri Lima Jenis Tumbuhan Kayu Putih. *J Penelit Has Hutan.* 2013;31(4):235–41.
75. Dhuha M, Satriadi T, Hamidah S. Rendemen Dan Kualitas Minyak Kayu Putih (*Melaleuca Cajuputi*) Berdasarkan Kesegaran Bahan Dan Keadaan Tempat Tumbuh. *J Sylva Sci.* 2022;5(5):699.
76. Rahim F, Yenti R, Rahmi M, Fernando E. Isolasi Dan Identifikasi Minyak Atsiri Rimpang Rumput Teki (*Cyperus Rotundus L.*) Dengan Gas Chromatography-Mass Spectrometry (GCMS). *Sci J Farm Dan Kesehat.* 2018;8(2):169.
77. Sawu MSM, Nitbani FO, Lerrick RI. Analisis Minyak Kayu Putih (*Melaleuca Cajuputi* Powell) Asal Pulau Flores. 2018;1(May):15–23.

78. Suntoro, Widijanto H, Sudadi, Sambodo EE. Dampak Abu Vulkanik Erupsi Gunung Kelud Dan Pupuk Kandang Terhadap Ketersediaan Dan Serapan Magnesium Tanaman Jagung Di Tanah Alfisol. *J Ilmu Tanah Dan Agroklimatologi*. 2014;11(2):69–138.
79. Priswantoro AA, Sulaksana NN, Endyana CC, Tri Mursito AA. Kesesuaian Lahan Untuk Tanaman Kayu Putih Sebagai Strategi Modifikasi Konservasi Dan Kepentingan Nilai Tambah Ekonomi Di Desa Cikembang, Kecamatan Kertasari, Kabupaten Bandung. *J Teknol Lingkungan*. 2021;22(1):068–77.
80. Langeinheim JH. Higher Plant Terpenoids: A Phytocentric Overview Of Their Ecological Roles. *J Chem Ecol*. 1994;20(6):2998–3002.
81. Tyagi V, Singh VK, Sharma PK, Singh V. Essential Oil-Based Nanostructures For Inflammation And Rheumatoid Arthritis. *J Drug Deliv Sci Technol*. 2020;60(August):101983.
82. Pei S, Chen J, Lu J, Yao L, Zhang N. Exploring The Physiological Response Differences Of Caryophyllene, Linalool And Citral Inhalation And Their Anxiolytic Potential. *Heliyon*. 2024;10(19):E38941
83. Rahmawati N, Hari DG, Nurbaiti, Rahmawati A, Nursyafni, Indriani L, Et Al. Uji Aktivitas Antiinflamasi Ekstrak Etil Asetat Daun Tumbuhan Akar Kaik-Kaik (*Uncaria Cordata* (Lour.) Merr) Pada Tikus Putih (*Rattus Norvegicus*) Jantan. *J Kesehat As-Shiha*. 2023;16–22.
84. Markov DD, Novosadova E V. Chronic Unpredictable Mild Stress Model Of Depression: Possible Sources Of Poor Reproducibility And Latent Variables. *Biology (Basel)*. 2022;11(11).
85. Cipriani A, Brambilla P, Furukawa TA, Geddes J, Gregis M, Hotopf M, Et Al. Fluoxetine Versus Other Types Of Pharmacotherapy For Depression. *Cochrane Database Syst Rev*. 2009;(4).
86. Umukoro S, Adebesein A, Agu G, Omorogbe O, Asehinde SB. Antidepressant-Like Activity Of Methyl Jasmonate Involves Modulation Of Monoaminergic Pathways In Mice. *Adv Med Sci*. 2018;63(1):36–42.
87. Molendijk ML, De Kloet ER. Forced Swim Stressor: Trends In Usage And Mechanistic Consideration. *Eur J Neurosci*. 2022;55(9–10):2813–31.
88. Rahmah A, Sari NM, Ulfah D. Rendemen Dan Kualitas Minyak Kayu Putih



- (*Melaleuca Cajuputi*) Dari Penyulingan PT Inhutani II Pulau Laut. 2022;5(4):571.
89. Rahma, Siti & Suzana, Dona. Uji Aktivitas Antidepresan Minyak Atsiri Daun Kemangi (*Ocimum Basilicum L*) Dengan Metode Open Field Test (OFT). Jurnal Farmasi dan Farmakoinformatika. 2024 ; 2. 9-22.
  90. de Sousa DP, Silva RHN, Silva EFD, Gavioli EC. Essential Oils and Their Constituents: An Alternative Source for Novel Antidepressants. *Molecules*. 2017;22(8):1290.
  91. Sieghart W. GABAA receptors: ligand-gated Cl<sup>-</sup> ion channels modulated by multiple drug-binding sites, Trends Pharmacol Sci. 1992 Dec;13(12):446-50.
  92. Succol, F., Fiumelli, H., Benfenati, F. *et al*. Intracellular chloride concentration influences the GABA<sub>A</sub> receptor subunit composition. *Nat Commun* 3, 738; 2012.
  93. Zhu, S., Sridhar, A., Teng, J. *et al*. Structural and dynamic mechanisms of GABA<sub>A</sub> receptor modulators with opposing activities. *Nat Commun* 13, 4582; 2022.
  94. Rancangan Standar Nasional Indonesia. RSNI3. Badan Standar Nasional ICS 7110060. 2024.

