

DAFTAR PUSTAKA

1. Borquaye LS, Doetse MS, Ofori S, Mensah JA. Anti-Inflammatory and Anti-Oxidant Activities of Ethanolic Extracts of *Tamarindus indica* L.(Fabaceae). *Cogent Chem* [Internet]. 2020;6(1):1–11. Available from: <https://doi.org/10.1080/23312009.2020.1743403>
2. Faujdar S, Sharma S, Sati B, Pathak AK. Comparative Analysis of Analgesic and Anti-Inflammatory Activity of Bark and Leaves of *Acacia ferruginea* DC. *Beni-Suef Univ J Basic Appl Sci* [Internet]. 2016;5(1):70–8. Available from: <http://dx.doi.org/10.1016/j.bjbas.2016.02.002>
3. Dhargawe N, Mahakalkar S, Mohod B, Raj JP. Evaluation of Analgesic, Anti-Inflammatory, and Antipyretic Activity of Piperine : An Experimental Study. *Pharmacognosy Res.* 2020;12(2):176–80.
4. Auliah N, Latuconsina AA, Thalib M. Uji Analgetik Ekstrak Etanol Daun Nangka (*Artocarpus heterophyllus* Lam.) Terhadap Mencit (*Mus musculus*) yang Diinduksi Asam Asetat. *J Ris Kefarmasian Indones.* 2019;1(2):103–13.
5. Mohiuddin M, Dewan SMR, Das A, Sarwar MS. Anti-nociceptive , Anti-Inflammatory and Antipyretic Activities of Ethanolic Extract of *Atylosia scarabaeoides* (L.) Benth (Family: Fabaceae) Leaves in Experimental Animal. *J Appl Life Sci Int.* 2018;17(4):1–12.
6. Yusuf M, Trimulyani YW, Lestari HT. Fraksi Etanol Lidah Buaya (*Aloe vera* L.) Sebagai Analgetika Terhadap Tikus Putih Jantan Galur Wistar (*Rattus norvegicus*). *J Farm Lampung.* 2019;8(2):103–4.
7. Sartika D, Aria M, Susandra M. Uji Efek Analgetik Ekstrak Etanol Buah Cabe Merah (*Capsicum annuum* L.) Terhadap Mencit Putih Jantan. *Sci J Farm dan Kesehat.* 2019;9(1):36–43.
8. Lalrinzuali K, Vabeiryureilai M, Jagetia GC. Investigation of the Anti-Inflammatory and Analgesic Activities of Ethanol Extract of Stem Bark of *Sonapatha oroxylum indicum* In Vivo. *Int J Inflam.* 2016;1–8.
9. Noufou O, Richard SW, Marius L. Antioxidant Anti-Inflammatory and Analgesic Activities of Aqueous Extract From Stem Bark of *Pterocarpus erinaceus* Poir. (Fabaceae). *J Med Plants Res.* 2011;5(10):2047–53.
10. Harirforoosh S, Asghar W, Jamali F. Adverse Effects of Nonsteroidal Antiinflammatory Drugs : An Update of Gastrointestinal, Cardiovascular and Renal Complications. *J Pharm Pharm Sci.* 2013;16(5):821–47.

11. Elfahmi, Woerdenbagb HJ, Kayser O. Jamu : Indonesian Traditional Herbal Medicine Towards Rational Phytopharmacological Use. *J Herb Med* [Internet]. 2014;1–23. Available from: <http://dx.doi.org/10.1016/j.hermed.2014.01.002>
12. Napolion H, Sribudiani E, Arlita T. Pemahaman Pengunjung Terhadap Arti dan Fungsi Arboretum Universitas Riau. *Jom Faperta*. 2015;2(2):1–11.
13. Handayani R, Rustamsyah A, Perdana F, Ihsan S, Suwandi DW. Studi Pendahuluan Fitokimia Tanaman Koleksi Arboretum Legok Pulus Garut. *J Trop Pharm Chem*. 2017;4(2):103–7.
14. Yulianti S. Inventarisasi Tanaman Obat di Arboretum (Bukit 1) Kecamatan Samarang Kabupaten Garut. Skripsi Program Studi Farmasi, Fakultas Matematika dan Ilmu Pengetahuan Alam, Universitas Garut; 2015.
15. Herrington CS. *Muir's Textbook of Phatology*. Fifteenth. London: CRC Press Taylor & Francis Group; 2014. 56–67 p.
16. Harvey RA, Champe PC. *Farmakologi Ulasan Bergambar*. Edisi 4. Jakarta: EGC; 2013. 591 p.
17. Kumar V, Cotran RS, Robbins SL. *Buku Ajar Patologi*. Edisi 7 Vo. Asroruddn M, Hartanto H, Darmaniah N, editors. Jakarta: EGC; 2007. 35–61 p.
18. Katzung BG. *Farmakologi Dasar dan Klinik*. Edisi 6. Jakarta: EGC; 2006.
19. Battista E. *Crash Course Pharmacology*. 4th Editio. Edinburgh: Elsevier; 2012. 151–155 p.
20. Katzung BG. *Basic and Clinical Pharmacology*. 13 th Edit. Trevor AJ, editor. New York: McGraw-Hill Education; 2015. 619–625 p.
21. Suwandi DW, Puspita T, Nuari DA, Hamdani S. Aktivitas Analgetika dan Antiinflamasi Ekstrak Etanol dan Fraksi Daun Jambu Mawar (*Syzygium jambos* L.) Secara In Vivo. *J Sains dan Kesehat*. 2021;3(2):218–26.
22. Abdulkadir, Widysusanti, Polontalo, Febriyanti. Uji Antiinflamasi Ekstrak Etanol Bunga Rosela *Hibiscus Sabdariffa* Linn Pada Tikus Putih Jantan *Rattus Norvegicus*. 2011;3:285–36.
23. Subraya CK, Harikiran, Gupta D. Antioxidant and Anti-Inflammatory Activity of *Alstonia scholaris* R. Br. Stem Bark Extract. *Basic Res Artic*. 2012;2(2):55–7.
24. Giri SP, Varma SB. Analgesic and Anti-Inflammatory Activity of *Tectona grandis* Linn. Stem Extract. *J Basic Clin Physiol Pharmacol*. 2015;1–6.

25. Eswaran D, Loganathan J, Uthamaramasamy S, Mangalanathan M. Screening of Aerial Parts of *Leucaena leucocephala* for Its Antiinflammatory Activity (In Vitro). *Eur J Biomed Pharm Sci*. 2018;5(4):497–500.
26. Hasim, Arifin YY, Andrianto D, Faridah DN. Ekstrak Etanol Daun Belimbing Wuluh (*Averrhoa bilimbi*) sebagai Antioksidan dan Antiinflamasi. *J Apl Teknol Pangan*. 2019;8(3):86–93.
27. Ullah HMA, Zaman S, Juhara F, Akter L, Tareq SM, Masum EH, et al. Evaluation of Antinociceptive, In-vivo & In-vitro Anti-Inflammatory Activity of Ethanolic Extract of *Curcuma zedoaria* Rhizome. *BMC Complement Altern Med*. 2014;14(346):1–12.
28. Soekaryo E, Simanjuntak P, Setyahadi S. Uji Inhibisi Enzim Siklooksigenase-2 (COX-2) dari Ekstrak Daun Sirsak (*Annona muricata* Linn.) Sebagai Antiinflamasi. 4 th Univesity Res Coloquium 2016. 2016;2:485–92.
29. Marie A. Chisholm-Burns, Schwinghammer TL, Wells BG, Malone PM, Malone PM, Kolesar JM, et al. *Pharmacotherapy Principles and Practice*. Fourth Edi. New York: McGraw-Hill Education; 2016. 520–528 p.
30. Kumar M, Shete A, Akbar Z. A Review on Analgesic: From Natural Sources. *Int J Pharm Biol Arch*. 2010;1(2):95–100.
31. Swieboda P, Filip R, Prystupa A, Drozd M. Assessment of Pain: Types, Mechanism and Treatment. *Ann Agric Environ Med*. 2013;1(1):2–7.
32. Mutschler E. *Dinamika Obat Buku Ajar Farmakologi dan Toksikologi*. Terjemahan M.B. Widiyanto dan A. S. Ranti. Bandung: Penerbit ITB; 1991.
33. Dju F, Klau ME, Mbulang YKA. Uji Aktivitas Analgesik Tunggal dan Kombinasi Ekstrak Etanol Daun Jambu Biji (*Psidium Guajava* L.) dan Daun Sirsak (*Annona Muricata* L) pada Tikus Putih Jantan yang Diinduksi Asam Asetat. *CHM-K Pharm Sci J*. 2021;4(1):228–35.
34. Delisma C, Fitriyaningsih SP, Suwendar. Uji Aktivitas Analgetika Ekstrak n-Heksana Daun Afrika (*Vernonia amygdalina* Delile) Terhadap Mencit Swiss Webster Jantan. *J Ilm Farm Farmasyifa*. 2017;1(1):26–34.
35. Asmaliani I, Iwo MI. Uji Aktivitas Antiinflamasi dari Ekstrak Metanol Dun Nangka (*Artocarpus heterophyllus* Lam.) Terhadap Tikus yang Diinduksi Karagenan Lamda. *As-Syifaa*. 2016;08(02):28–32.
36. Kristanti CD, Puspa F, Simanjuntak J, Pramita NK, Dewi A, Tianri SV, et al. Anti-Inflammatory and Analgesic Activities of Avocado Seed (*Persea americana* Mill.). *J Farm Sains dan Komunitas*. 2017;14(2):104–11.

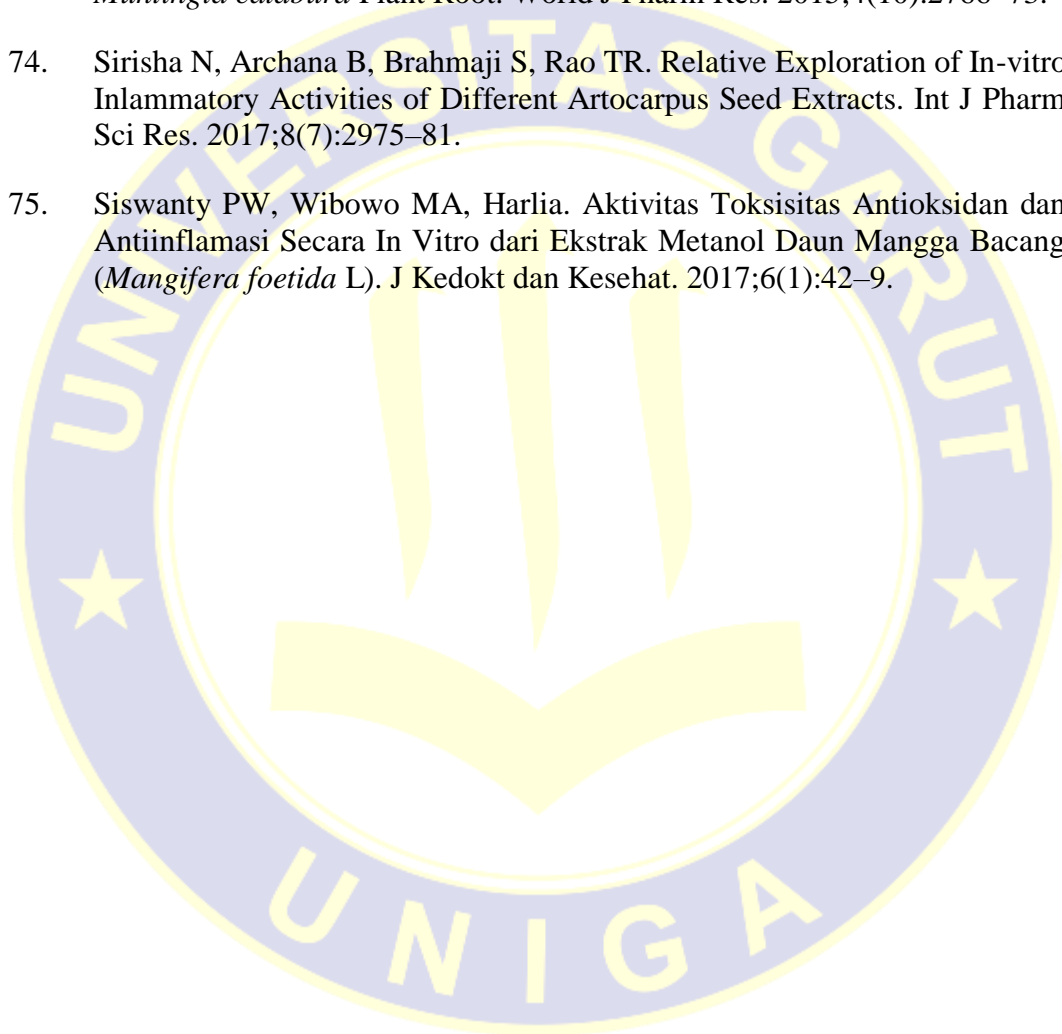
37. Sentat T, Pangestu S. Uji Efek Analgesik Ekstrak Etanol Daun Kersen (*Muntingia calabura* L.) Pada Mencit Putih Jantan (*Mus musculus*) Dengan Induksi Nyeri Asam Asetat. *J Ilm Manuntung*. 2016;2(2):147–53.
38. Maifitrianti, Sjahid LR, Nuroh, Acepa RAM, Murti WD. Aktivitas Antiinflamasi Fraksi-fraksi Ekstrak Etanol 95% dari Daun Kersen (*Muntingia Calabura* L.) Pada Tikus Putih Jantan. *Pharm J Farm Indones*. 2019;16(01):1–16.
39. Parmadi A, Aderita NI, Septianingsih W. Uji Daya Analgetik Ekstrak Etanol Daun Sirsak (*Annona Muricata* L.) Terhadap Mencit Jantan Galur Swiss. *Indones J Med Sci*. 2020;7(2):97–103.
40. Rahmawati, Rahman S, Mustari. Uji Efek Antiinflamasi Ekstrak Etanol Daun Sirsak (*Annona muricata* Linn.) Terhadap Mencit (*Mus musculus*) Jantan yang Diinduksi Dengan Karagenan. *As-Syifaa*. 2012;04(01):7–15.
41. Ishak M, Bodhi W, Citraningtyas G. Uji Efek Analgesik Ekstrak Etanol Daun Lamtoro (*Leucaena Leucocephala* (LAM) de Wit) Pada Mencit Putih Jantan (*Mus musculus*). *PHARMACON J Ilm Farm*. 2017;6(4):130–8.
42. Satyadev SA, Narayana NV, Ashok krishnan, Nandini C. Analgesic activity of methanolic leaf extract of *Leucaena leucocephala*. *Int J Chem Pharm Sci*. 2016;7(1):7–11.
43. Sentat T, Handayani F. Uji Efek Antiinflamasi Ekstrak Etanol Biji Lamtoro (*Leucaena leucocephala* L.) Terhadap Udem Telapak Kaki Mencit yang Diinduksi Karagenin. *J Ilmu Kesehat*. 2019;6(1):84–9.
44. Miraj AJ, Kabir A, Mamun Y, Akhter S, Ahammed MS, Sultana S, et al. Evaluation of The Analgesic and Anti-Inflammatory Activities of Methanolic Extracts of The Leaves of *Averrhoa bilimbi* Leaves. *Discov Phytomedicine*. 2019;6(1):12–5.
45. Weni L, Harliansyah, Widayanti. Anti-Inflammatory Activity of The Extract of Guava Leaves (*Psidium guajava* L) in The Rat (*Rattus norvegicus* L). *Indones J Cancer Chemoprevention*. 2011;2(1):169–72.
46. Amali M., Bello M., Olatunji. L., Salawu O, Olorundare O. Analgesic and Anti-Inflammatory Activities of Ethanolic Extract of The Stem Bark of *Kigelia Africana* in Wistar Albino Mice and Rats. *Niger J Pharm Sci*. 2012;11(1):5–15.
47. Jk K, Pm N, Jk M, Jjn N, Mp N. Anti-Inflammatory Activity of Methanolic Leaf Extract of *Kigelia Africana* (Lam.) Benth and Stem Bark Extract of *Acacia Hockii* De Wild in Mice. *J Dev Drugs*. 2016;5(2):1–8.
48. Manirujjaman, Sultana F, Chowdhury MAR, Hossain MT, Imran-Ul-Haque

- M. In Vivo Assay of Analgesic Activity of Methanolic and Petroleum Ether Extracts of *Manilkara zapota* Leaves. *Br J Pharm Res.* 2014;4(2):186–91.
49. Ganguly A, Mahmud Z Al, Uddin MMN, Rahman SA. In-vivo Anti-inflammatory and Anti-pyretic Activities of *Manilkara zapota* Leaves in Albino Wistar rats. *Asian Pacific J Trop Dis.* 2013;3(4):301–7.
50. Ibrahim, Amin MN, Millat S, Raju JA, Hussain S, Far-, et al. Methanolic Extract of Peel of Citrus maxima Fruits Exhibit Analgesic , CNS Depressant and Anti-inflammatory Activities in Swiss Albino Mice. *BEMS Reports.* 2018;4(1):7–11.
51. Ripa FA, Tareq M, Morshed I, Afsana-Al-Sharmin, Papon SB, Islam MR, et al. Central Nervous System Depressant , Analgesic and Antidiarrheal Effects of the Seed Extracts of *Dimocarpus longan* Lour in Rats. *Trop J Pharm Res.* 2014;13(2):235–42.
52. Anggraeny EN, Pramitaningastuti AS. Studi Uji Daya Antiinflamasi dan Antipiretik Ekstrak Etanol Daun Lengken (*Dimocarpus longan* Lour) Pada Tikus Putih Jantan (*Rattus norvegicus*) Galur Wistar. *J Ilm Farm.* 2016;12(2):44–51.
53. Mohanvelu R, Madhuri AS, Ramabhimaiah S. Evaluation of analgesic activity of aqueous extract of *Mangifera indica* leaves in albino rats. *Int J Basic Clin Pharmacol.* 2015;4(1):107–10.
54. Oluwole OG, Esume C. Anti-Inflammatory Effects of Aqueous Extract of *Mangifera indica* in Wistar rats. *J Basic Clin Physiol Pharmacol.* 2015;26(3):313–5.
55. Akter T, Nasrin F, Begum Y, Bulbul IJ. Analgesic and CNS Depressant Activity of Methanolic Extract of *Alstonia Sholaris* Leaves. *Indo Am J Pharm Scienses.* 2016;3(8):862–6.
56. Sarker M, Das SC, Saha SK, Al Z, Bachar SC, Sarker M, et al. Analgesic and Anti-inflammatory Activities of Flower Extracts of *Punica granatum* Linn. (Punicaceae). *J Appl Pharm Sci.* 2012;02(04):133–6.
57. Hossain MS, Saed A, Karmakar UK, Hossain MA. Assessment of Phytochemical , Analgesic and Antioxidant Profile of *Melia azedarach* L. [Leaves] (Family-Meliaceae). *Pharma Innov - J.* 2013;2(7):1–6.
58. Jain G, Pandit D, Gupta P, Jharia V. Evaluation of Anti-inflammatory Activity of Seeds of *Melia azedarach* (Linn.) in Albino Wistar Rats. *Int J Sci Eng Res.* 2015;6(1):1837–46.
59. Shahat AA, Alqahtani AS, Ullah R, Al-mishari A, Ahmed WS. Anti-inflammatory, Antipyretic and Analgesic Activities of Persimmon

- (*Diospyros kaki*) Leaves in Animal Model. Indian J Anim Res. 2020;I:1–6.
60. Anaba F, Mayasari NLPI, Andriyanto. Potensi Infusa Kemiri (*Aleurites moluccana*) sebagai Analgesik dan Stimulator Stamina. Acta Vet Indones. 2021;9(1):14–20.
 61. Wenas DM, Aliya LS, Janah U. Aktivitas Antiinflamasi Ekstrak Etanol Daun Kopi Arabika (*Coffea arabica* L.) pada Edema Tikus. Bul Penelit Tanam Rempah dan Obat. 2020;31(2):75–84.
 62. Galam NZ, Gambo IM, Rabiun A, Chinelo N, Dami S. Anti-inflammatory Effect of Aqueous Extract of Coffee plant leaves (*Coffea canephora*) in Rats. J Nat Sci Res. 2013;3(7):191–3.
 63. Karthik KNS, Kumar KR. Evaluation of Analgesic, Anti-Inflammatory of Stem Bark Ethanolic Extract of *Michelia champaca* Linn. Asian J Pharm Res. 2019;7(2):1–4.
 64. Yong-liang JIA, Jun-ming Z, Lin-hui Z, Bao-shan SUN, Meng-jing BAO, Fen-fen LI, et al. Analgesic and Anti-inflammatory Effects of Ginger Oil. Chinese Herb Med. 2011;3(2):150–5.
 65. Haque AKMM, Das AK, Bashar SS, Al-mahamud R, Rahmatullah M. Analgesic and antihyperglycemic activity evaluation of *Bambusa vulgaris* aerial parts. J Appl Pharm Sci. 2015;5(09):127–30.
 66. Lodhi S, Jain AP, Rai G, Yadav AK. Preliminary investigation for wound healing and anti-inflammatory effects of *Bambusa vulgaris* leaves in rats. J Ayurveda Integr Med [Internet]. 2016;1–9. Available from: <http://dx.doi.org/10.1016/j.jaim.2015.07.001>
 67. Ananthi T, Chitra M. Screening of In vitro Anti-Inflammatory Activity of *Michelia Champaca* Linn. Flowers. Asian J Pharm Clin Res. 2013;6(5):71–2.
 68. Grace S, Chauhan JB, K HK. In Vitro Anti-Inflammatory and Anti-Arthritic Activity In Methanolic Peel Extracts of *Persea americana*. World J Pharm. 2017;3(4):195–9.
 69. Javalgikar A, Shaikh H, Sargar M, Survanshi H, Rathod M. In vitro anti-inflammatory and anthelmintic activity of *Tectona grandis* leaves extract. Int J Herb Med. 2019;7(3):36–40.
 70. Kota K, Sharma S, Tahashildar J. A Scientific Validation of In Vitro Anti-Inflammatory Activity of *Punica granatum* L. By Human Red Blood Cell Membrane Stabilization. Int J Res Med Sci. 2018;6(7):2430–3.
 71. Sobeh M, Mahmoud MF, Petruk G, Rezaq S, Ashour ML, Youssef FS, et al.

Syzygium aqueum : A Polyphenol- Rich Leaf Extract Exhibits Activities in Animal Models. *Front Pharmacol.* 2018;9:1–14.

72. Thakur MD, Sheth NR, Raval MK. Assessment of In vitro Anti-Inflammatory Activity of Ginger and Diclofenac Sodium Combination. *Int J Pharm Sci Drug Res.* 2020;12(5):442–7.
73. Khan MA, Ramadas D, Mundasada SC, Kumar S, Kashyap HR, D C. In Vitro Anti-Inflammatory Activity Activity of Proteins Isolated From *Muntingia calabura* Plant Root. *World J Pharm Res.* 2015;4(10):2766–73.
74. Sirisha N, Archana B, Brahmaji S, Rao TR. Relative Exploration of In-vitro Inflammatory Activities of Different Artocarpus Seed Extracts. *Int J Pharm Sci Res.* 2017;8(7):2975–81.
75. Siswanty PW, Wibowo MA, Harlia. Aktivitas Toksisitas Antioksidan dan Antiinflamasi Secara In Vitro dari Ekstrak Metanol Daun Mangga Bacang (*Mangifera foetida* L). *J Kedokt dan Kesehat.* 2017;6(1):42–9.



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