

DAFTAR PUSTAKA

1. Santoni, A.; Sabariah; Efdi,M.: Isolasi dan elusidasi struktur senyawa triterpenoid dari kulit batang ambacang (*Mangifera foetida* L.) serta uji *Brine Shrimp Letality Test* (BSLT). *Jurnal Riset Kimia* 2015, 9(1), 1-8.
2. Salim, Z.; Munadi, E.: *Info Komoditi Tanaman Obat*. Badan Pengkajian dan Pengembangan Perdagangan Kementerian Perdagangan Republik Indonesia, Jakarta 2017, 9-10.
3. Dhale, D. A.; Birari, A. R.: Preliminary screening of antimicrobial and phytochemical studies of *Jatropha gossypifolia* Linn. *Recent Research in Science and Technology* 2010, 2 (7), 24-28.
4. Shahwar, D.; Shafiq-ur-Rehman,; Ahmad, N.; Ullah, S.; Raza, M.A.: Antioxidant activities of the selected plants from the family Euphorbiaceae, Lauraceae, Malvaceae and Balsaminaceae. *African Journal of Biotechnology* 2010, 9(7), 1086-1096.
5. Panda, B.B.; Gaur, K.; Kori, M.L.; Tyagi, L.K.; Nema, R.K.; Sharma, C.S.; Jain, A.K.: Anti-Inflammatory and analgesic activity of *Jatropha gossypifolia* in experimental animal models. *Global Journal of Pharmacology* 2009, 3(1), 01-05.
6. Torokano, S.; Khumaidi, A.; Nugrahani, A.W.: Aktivitas antibakteri ekstrak etanol daun jarak merah (*Jatropha gossypifolia*) terhadap bakteri *Escherichia coli* dan *Staphylococcus aureus*. *Journal of Science and Technology* 2018, 7(1), 117-126.
7. Abreu, I.C.; Marinho, A.S.S.; Paes, A.M.A.; Freire, S.M.F.; Olea, R.S.G.; Borges, M.O.R.; Borges, A.C.R.: Hypotensive and vasorelaxant effects of ethanolic extract from *Jatropha gossypifolia* L. in rats. *Fitoterapia* 2003, 74, 650–657.
8. Felix-Silva, J.; Giordani, R.B.: *Jatropha gossypifolia* L. (Euphorbiaceae): A review of traditional uses, phytochemistry, pharmacology, and toxicology of this medicinal plant. *Journal Hindawi Publishing Corporation* 2014, 20 (14), 32.
9. Khyade, M.S.; Vaikos, N.P.: Pharmacognostical and phytochemical evaluation of leaf of *Jatropha gossypifolia* L. *International Journal of Research in Ayurveda and Pharmacy* 2010, 2(1), 421-428.
10. Tinto, W.F.; John, L.I.M.D.: triterpenoids of *Jatropha gossypifolia*. *Journal of Natural Products* 1992, 55(6), 807-809.
11. Zhang, C-Y.; Pan, R-R.; Zhang, X-D.; Zhou, Y.; Ye, Y.; Xiang, J.; Rahman, K.; Zhang, H.; Zhu, J-Y.: New tetracyclic triterpenoids from *Jatropha gossypifolia* induce cell-cycle arrest and apoptosis in RKO cells. *Fitoterapia* 2018, 130, 145–151.
12. Vernando, Y.: Penentuan aktivitas antioksidan, kandungan fenolik total dan uji sitotoksik dari ekstrak daun jarak merah (*Jatropha gossypifolia* Linn), Skripsi, FMIPA, Universitas Andalas, Padang, 2018.
13. Jain, S.; Choudhary, G.P.; Jain, D.K.: Pharmacological evaluation and antifertility activity of *Jatropha gossypifolia* in rats. *BioMed Research International* 2013, 1-5.

14. Auvin-Guette, C.; Carine, B.; Alain, B.; J.L.Pousset; Bernard, B.: Cyclogissine B, A Cyclic Octapeptide from *Jatropha Gossypifolia*. *Journal of Natural Products*. 1997, 60 (11), 1155-1157.
15. Centre for Agriculture and Bioscience International taxonomic tree: *Jatropha gossypifolia*, 2019, <https://www.cabi.org/isc/datasheet/28394>, diakses tanggal 3 Januari 2019.
16. Aboaba, S.A.; Adebayo, M.A.; Ogunwande, I.A.; Olaiyiola, T.O.: Volatile constituents of *Jatropha gossypifolia* L. Grown in Nigeria. *American Journal of Essential Oils and Natural Product* 2015, 2(4), 8-11.
17. Ogundare, A.O.: Antimicrobial effect of *Tithonia diversifolia* and *Jatropha gossypifolia* leaf extracts. *Trends in Applied Sciences Research* 2007, 2 (2), 145-150.
18. Zhang, X-P.; Zhang, M-L.; Su, X-H.; Huo, C-H.; Gu, Y-C.; Shi, Q-W.: Chemical constituents of the plants from genus *Jatropha*. *Chemistry and Biodiversity* 2009, 6(12), 2166–2183.
19. Khare, C.P.; *Indian Medicinal Plants*. Springer Reference 2007, 346.
20. Taylor, M.D.; Smith, A.B.; Furst, G.T.; Gunasekara, S.P.; Bevelle, C.A.; Cordell, G.A.; Farnsworth, N.R.; Kupchan, S.M.; Uchida, H.; Branfman, A.R.; Daily, R.G.; Sneden, A.T.: New antileukemic Jatropheone derivatives from *Jatropha gossypifolia* structural and stereochemical assignment through nuclear magnetic resonance spectroscopy. *Journal of American Chemical Society* 1983, 105, 3177.
21. Viswanathan, M.B.G.; Ananthi, J.D.J.; Venkatesan, N.: Review on *Jatropha*. *International Journal of Research and Innovation in Social Science* 2018, 2(8), 2454-6186.
22. Harianto: Respon pertumbuhan jarak merah (*Jatropha gossypifolia* L.) asal kabupaten nganjuk akibat cekaman kekeringan. *Pgri Kediri* 2017, (6), 67-72.
23. Oduola, T.; O.G Awuororo; T.B Ayanniyi: Suitability of the leaf extract of *Jatropha gossyifolia* as an anticoagulant for biochemical and hematological analyses. *African Journal of Biotechnology* 2005, 4 (7), 679-681.
24. Meyer, B.N.: Fergini, N.R.; Putnam, J.E.; Jacobsen, L.B.; Enicholas, D.; Laughin J.L.Mc.: Brine Shrimps : a Convient General Bioassay for Active Plant Constituent. *Plant Medica* 1982, 4(5), 31-34.
25. Kayode, J.; Omotoyinbo, M.A.: Ethnobotanical Utilization and Conservation of Chewing Sticks Plants Species in Ekiti State, Nigeria. *Research Journal of Botany* 2008, 3(3), 107-115.
26. Oduola, T.; Adeosun, O.G.; Oduola, T.A.; Awuororo, O.G.; Oyeniyi, M.A.: Use of *Jatropha gossypifolia* stem latex as a haemostatic agent: how safe is it?. *Journal of Medicinal Plants* 2007, 1(1), 14-17.
27. Andel, T.V.; Behari-Ramdas, J.; Havinga, R.; Groenendijk, S.: The Medicinal Plant Trade in Suriname. *Ethnobotany Research & Applications* 2007, 5, 351-372.

28. Dash, S.K.; Padhy, S.: Review on Ethnomedicines for Diarrhoea Diseases from Orissa:Prevalence Versus Culture. *J. Hum. Ecol* 2006 20(1) : 59-64.
29. Dabur, R.; Gupta, A.; Mandal, T.K.; Singh, D.D.; Bajpai, V.; Gurav, A.M.; Lavekar, G.S.: Screening of Antibacterial Potentials of Some Medicinal Plants From Melghat Forest In India. *Tambekar et al Afr. J. Trad* 2007, 4(3), 313- 318.
30. Sabandar, C.W.; Ahmat, N.; Jaafar, F.M.; Sahidin, I.: Medicinal property, phytochemistry and pharmacology of several *Jatropha* species (Euphorbiaceae): A review. *Phytochemistry* 2012.
31. Widiyati, E.: Penentuan adanya senyawa triterpenoid dan uji aktivitas biologis pada beberapa spesies tanaman obat tradisional masyarakat pedesaan Bengkulu. *Jurnal Gradien* 2006, 2(1), 116-122.
32. Masyukur, R.M.: Uji aktivitas antioksidan, toksisitas dan kandungan fenolik total dari ekstrak kulit batang pulai (*Alstonia scholaris* (L.) R. Br.), Skripsi, FMIPA, Universitas Andalas, Padang, 2017.
33. Sunil, K.: Alkaloidal Drugs - A review. *Asian journal of Pharmaceutical Science and Technology* 2014, 4, 107-119.
34. Rutdianti; Kartika, R.; Simanjuntak, P.: Isolasi dan identifikasi senyawa kimia triterpenoid dari hasil isolasi etil asetat daun ekaliptus (*Eucalyptus deglupta* Blume.). *Prosiding Seminar Nasional Kimia FMIPA UNMUL* 2017, 148-152.
35. Dwisari, F.; Harlia; Hairil A.A.: Isolasi dan karakterisasi senyawa triterpenoid ekstrak metanol akar pohon kayu buta-butia (*Excoecaria agallocha* L.). *Jurnal Kimia Khatulistiwa* 2016, 5(3), 25-30.
36. Rasyid, A.: Identifikasi senyawa metabolit sekunder serta uji aktivitas antibakteri dan antioksidan ekstrak metanol teripang (*Stichopus hermanii*). *Jurnal Ilmu dan Teknologi Kelautan Tropis* 2012, 4 (2), 360-368.
37. Suryati; Nurdin, H.; Yuliandra, N.: Isolasi dan karakterisasi senyawa metabolit sekunder dari ekstrak etil asetat kayu surian (*Toona sinensis*) dan uji aktivitas antioksidan. *Jurnal Kimia Unand* 2015, 4(1), 33-36.
38. Suryati; Nurdin, H.; Amalia, N.: Isolasi dan karakterisasi senyawa triterpenoid dari ekstrak kayu surian (*Toona sinensis*). *Jurnal Kimia Unand* 2015, 4 (1), 49-52.
39. Saputra, A.; Suryati; Santoni, A.: Isolasi dan karakterisasi senyawa triterpenoid dari ekstrak etil asetat sambiloto (*Andrographis paniculata* (Burm.f.) NEES). *Jurnal Kimia Unand* 2015, 4 (1), 83-87.
40. Zulfadli; Ferdinal, N.; Arifin, B.: Isolasi triterpenoid fraksi aktif antioksidan dari daun andong (*Cordyline fruticosa* [L.] A. Cheval). *Jurnal Kimia Unand* 2015, 4 (1), 67-70.
41. Wijaya, M.C. Penentuan aktivitas antioksidan, kandungan fenolik total, dan toksisitas daun jarak merah (*Jatropha gossypifolia* (L.)), Skripsi, FMIPA, Universitas Andalas, Padang, 2018.
42. Bajalana, I.; Mohammadia, M.; Alaeia, M.; Ghasemi P.A.: Total phenolic and flavonoid contents and antioxidant activity of extracts from different populations of lavandin. *Journal Industrial Crops and Products* 2016, 87, 255–260.

43. Sahri; Jayuska, A.; Rahmalia, W.: Efek pelarut terhadap spektra absorpsi UV-Vis kurkuminoid. *Jurnal Kimia Khatulistiwa* 2019, 8(1), 1-9.
44. Hartini, V.A.; Anam, K.; Cahyono, B.: Isolasi senyawa triterpenoid dari daun ketapang kencana (*Terminalia muelleri* Benth) dan uji aktivitas sitotoksitas dengan metode *Brine Shrimp Lethality Test* (BSLT). *Jurnal Kimia Sains dan Aplikasi* 2012, 15(2), 47-52.
45. Dachriyanus. *Analisis Struktur Senyawa Organik Secara Spektroskopi*. LPTIK Universitas Andalas 2004, 5-6.
46. Atmoko, D.P.; Marlina, E.; Erwin: Isolasi dan karakterisasi senyawa triterpenoid dari daun *Macaranga beccariana* Merr. *Jurnal Kimia Mulawarman* 2018, 16(1), 22-26.

