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#1806 Summary

SUMMARY REVIEW EDITING

Submission

Authors	Sisilia Teresia Rosmala Dewi, Djuniasti Karim, Damaris Damaris
Title	Identifikasi Kandungan Daun Nggorang (<i>Salvia occidentalis</i> Sw) Menggunakan Spektrofotometer GC-MS
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Title and Abstract

Title	Identifikasi Kandungan Daun Nggorang (<i>Salvia occidentalis</i> Sw) Menggunakan Spektrofotometer GC-MS
Abstract	

*Nggorang or west indian sage (Salvia occidentalis Sw.) leaf from Tenda Village, Langke Rembong Subdistrict, Manggarai Regency, NTT Province. It is empirically used as an anticancer for breasts, coughs, and nosebleeds, but the leaf compounds needs to be studied. This research aims to identify the content contained in the leaf of west indian sage (Salvia occidentalis Sw) using GC-MS spectrophotometer. The leaves were extracted using the maceration method with methanol extractor, and the contents were analyzed using GC-MS with CP-Sil 5CB as the stationary phase. The results showed that the west indian sage (Salvia occidentalis Sw.) leaf contains: 3, 7, 11, 15-Tetramethyl-2-hexadecen-1-ol [$C_{20}H_{40}O$], n-Hexadecanoic acid [$C_{16}H_{32}O_2$], 7-Isopropyl-1, 1, 4a-trimethyl-1, 2, 3, 4, 4a, 9, 10a-, octahydrophenanthrene [$C_{20}H_{30}O$], Phytol [$C_{20}H_{40}O$], Podocarp-7-en-3 β -ol, 13 β -methyl-13-vinyl [$C_{20}H_{32}O$], 1-Phenanthrene methanol, 1, 2, 3, 4, 4a, 9, 10, 10a-octahydro-1, 4a-dimethyl-7- (1-methyl) -[15(1a,4aa,10a β)] [$C_{20}H_{30}O$], Heptriocotanol [$C_{37}H_{76}O$] (Alcohol), 9-(2', 2'-Dimethyl propanoilylhydrazono)-3,6-dichloro-2, 7- bis-[2-(diethylamino)-ethoxy] fluorine [$C_{30}H_{42}C_{12}N_4O_3$], 1- Phenanthrene carboxylic acid, 7-ethenyl-1, 2, 3, 4, 4a, 4b, 5, 6, 7, 9, 10, 10a-dodecahydro 4a, 7 dimethyl [1R(1a, 4a β , 4ba, 7 β , 10aa)] [$C_{19}H_{28}O_2$], 1, 2-Dihydro-11-oxo-prednisolone 11-dehydroxy-9-thiocynato [$C_{22}H_{27}NO_5S$], therefore, it was concluded that west indian sage (*Salvia occidentalis* Sw.) leaves contain compounds such as Terpenoida, Palmitic Acid, Steroids, Chlorophyll, Vitamin A, Beta Carotene, Alcohol, Phenolic Acid, Testosterone, Prednisolone.*

Keywords : Chemical Ingredients, West indian sage (*Salvia occidentalis* Sw) leaf, GC-MS

Daun Nggorang (*Salvia occidentalis* Sw.) yang berasal dari Desa Tenda Kecamatan Langke Rembong Kabupaten Manggarai Provinsi NTT. Secara empiris digunakan sebagai antikanker payudara, batuk, dan mimisan namun kandungan senyawa di dalam daun ini masih perlu diteliti. Penelitian ini bertujuan untuk mengidentifikasi kandungan yang terdapat pada Daun Nggorang (*Salvia occidentalis* Sw) secara spektrofotometer GC-MS. Daun Nggorang (*Salvia occidentalis* Sw.) diekstraksi menggunakan metode maserasi dengan cairan penyari metanol, lalu dianalisis kandungannya menggunakan GC-MS dengan fase diam CP-Sil 5CB. Hasil penelitian menunjukan Daun Nggorang (*Salvia occidentalis* Sw.) mengandung : 3, 7, 11, 15-Tetramethyl-2-hexadecen-1-ol [$C_{20}H_{40}O$], n-Hexadecanoic acid [$C_{16}H_{32}O_2$], 7-Isopropyl-1, 1, 4a-trimethyl-1, 2, 3, 4, 4a, 9, 10a-, octahydrophenanthrene [$C_{20}H_{30}O$], Phytol [$C_{20}H_{40}O$], Podocarp-7-en-3 β -ol, 13 β -methyl-13-vinyl [$C_{20}H_{32}O$], 1-Phenanthrene methanol, 1, 2, 3, 4, 4a, 9, 10, 10a-octahydro-1, 4a-dimethyl-7- (1-methyl) -[15(1a,4aa,10a β)] [$C_{20}H_{30}O$], Heptriocotanol [$C_{37}H_{76}O$] (Alcohol), 9-(2', 2'-Dimethyl propanoilylhydrazono)-3,6-dichloro-2, 7- bis-[2-(diethylamino)-ethoxy] fluorine [$C_{30}H_{42}C_{12}N_4O_3$], 1- Phenanthrene carboxylic acid, 7-ethenyl-1, 2, 3, 4, 4a, 4b, 5, 6, 7, 9, 10, 10a-dodecahydro 4a, 7 dimethyl [1R(1a, 4a β , 4ba, 7 β , 10aa)] [$C_{19}H_{28}O_2$], 1, 2-Dihydro-11-oxo-prednisolone 11-dehydroxy-9-thiocynato [$C_{22}H_{27}NO_5S$], sehingga dapat disimpulkan Tanaman Daun Nggorang (*Salvia occidentalis* Sw.) mengandung senyawa Terpenoida, Asam Palmitat, Steroid, Klorofil, Vitamin A, Beta Karoten, Alkohol, Asam Fenolik, Testosteron, Prednisolon.

Kata Kunci : Kandungan Kimia, Daun Nggorang (*Salvia occidentalis* Sw), GC-MS.

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References

- References
- Anjarwati, A. 2009. Uji pendahuluan secara kualitatif adanya penambahan bahan kimia steroid dalam jamu antirematik. Skripsi. Universitas Indonesia
- Benadé, A. J. S. 2003. A place for palm fruit oil to eliminate vitamin A deficiency. *Asia Pacific Journal of Clinical Nutrition*, 12(3), 369–372.
- Harborne, J. 1986. Metode Fitokimia Edisi Kedua. ITB Bandung.
- Kusbandari, A., & Susanti, H. 2017. Kandungan Beta Karoten dan Aktivitas Penangkapan Radikal Bebas Terhadap DPPH (1,1-difenil 2-pikrihidrazil) Ekstrak Buah Blewah (Cucumis melo var. cantalupensis L) Secara Spektrofotometri UV-Visibel. *Journal of Pharmaceutical Sciences and Community*, 14(1), 37–42. <https://doi.org/10.24071/jpsc.141562>
- Madalena, M., Heriyanto, H., Hastuti, S. P., & Limantara, L. 2007. The Effect Of Heating Time To The Content Of Pigments And Vitamin A In Cassava Manihot esculenta Crantz And Ceara-Rubber (Manihot glaziovii Muell. Arg) Leaves. *Indonesian Journal of Chemistry*, 7(1), 105–110. <https://doi.org/10.22146/ijc.21722>
- Mega Rizky Novitasari, Lizma Febrina, Risna Agustina, Agung Rahmadani, dan R. R. 2016. Analisis GC-MS Senyawa Aktif Antioksidan Fraksi Etil Asetat Daun Libo (Ficus variegata Blume.). *Journal of Chemical Information and Modeling*. <https://doi.org/10.1017/CBO9781107415324.004>
- Moon, C. L., Oleo, U. H., Tenggara, S., Farmasi, F., & Gadjah, U. 2017. Isolasi Senyawa Steroid dari Kulit Akar Senggugu. *Pharmakon*. Vol.6.No3. <https://doi.org/10.35799/pha.6.2017.17119>
- Saputra, F. 2016. Uji Efek Ekstrak Etanol 96% Anggur Merah (Vitis vinifera) Terhadap Penurunan Kadar Trigliserida Pada Tikus Putih (Rattus Novergicus) Yang Diberi Pakan Hiperkolesterolemia dan Diinduksi Triton X-100. *Journal of Chemical Information and Modeling*, 53(9), 1689–1699. <https://doi.org/10.1017/CBO9781107415324.004>
- Tristantini, D., Ismawati, A., Pradana, B. T., & Gabriel, J. 2016. Pengujian Aktivitas Antioksidan Menggunakan Metode DPPH pada Daun Tanjung (Mimusops elengi L). Skripsi Universitas Indonesia.
- Wati, M., Erwin, & Tarigan, D. 2017. Isolasi dan Identifikasi Senyawa Metabolit Sekunder dari Fraksi Etil Asetat pada Daun Berwarna Merah Pucuk Merah (Syzygium myrtifolium Walp.). *Skripsi Kimia FMIPA Unmul*, 14(2), 100–107.

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