

RIWAYAT KORESPONDENSI

POTENSI AKTIVITAS TABIR SURYA EKSTRAK DAUN DAN KULIT BATANG DENGEN (*Dillenia serrata*) SECARA IN VITRO

Sunscreen Potential Activity Of The Leaves And Bark Dengen Extract (*Dillenia serrata*) In Vitro

Santi Sinala*, Ismail Ibrahim, Alfrida Monica Salasa, Ratnasari Dewi

The screenshot shows the journal's submission summary page. At the top, there is a navigation menu with links: HOME, ABOUT, USER HOME, SEARCH, CURRENT, ARCHIVES, ANNOUNCEMENTS, PEER REVIEWER, PUBLICATION ETHIC, PLAGIARISM POLICY, and EDITOR TEAM. The main content area is titled "#1484 Summary" and includes buttons for SUMMARY, REVIEW, and EDITING. Below this, a "Submission" table lists the following details:

Authors	santi sinala, Ismail Ibrahim, Alfrida Monica Salasa, Ratnasari Dewi
Title	POTENSI AKTIVITAS TABIR SURYA EKSTRAK DAUN DAN KULIT BATANG DENGEN (<i>Dillenia serrata</i>) SECARA IN VITRO
Original file	1484-1484-1-5M.DOCX 2020-04-04
Supp. files	None
Submitter	santi sinala
Date submitted	April 4, 2020 - 06:21 AM
Section	Articles
Editor	Hesty Setiawati
Abstract Views	504

Below the submission details, a "Status" section indicates the article is "Published" in "Vol 16, No 1 (2020): Media Farmasi", with an initiation date of 2020-05-11 and a last modification date of 2021-05-03. On the right side, there are links for "OPEN JOURNAL SYSTEMS", "Petunjuk Registrasi", "Petunjuk Submitte Artikel", "Article template", "Petunjuk Submitte Perbaikan Artikel", and "Sertifikat Sinta".

The screenshot shows the journal's submission metadata page. It includes a "Submission Metadata" section with the following details:

Status	Published	Vol 16, No 1 (2020): Media Farmasi
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The "Title and Abstract" section shows the title: "POTENSI AKTIVITAS TABIR SURYA EKSTRAK DAUN DAN KULIT BATANG DENGEN (*Dillenia serrata*) SECARA IN VITRO". The abstract text is partially visible, starting with "Dengen (*Dillenia serrata*) is an endemic plant found in Luwu Regency. Its primary utilization is still limited to the fruit as a food ingredient, such as dodol, though leaves and barks are often used as medicine. According to Santi Sinala et al. (2019), denggen leaves and bark contain large polyphenols. This study determines the sunscreen activity of the Denggen plant, specifically leaves and bark obtained from Malangké City in Luwu Regency. Also, the study aims to establish the part of the plant with great potential for sunscreen. The leaves and bark of the tree are extracted by maceration using 70% ethanol solvent. The determination of the SPF value was carried out in vitro based on the principle of measuring extraction".

On the right side, there are logos for "Sertifikat SINTA", "sinta", "Google", "Crossref", "ISSN", "Dimensions", and "CiteFactor". Below these, a "USER" section indicates the user is logged in as "santisinala" with links for "My Journals", "My Profile", and "Log Out". An "AUTHOR" section shows "Submissions: 2 (16)".

journal.poltekkes-mks.ac.id/ojs2/index.php/mediafarmasi/author/submission/1484

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Title and Abstract

Title: POTENSI AKTIVITAS TABIR SURYA EKSTRAK DAUN DAN KULIT BATANG DENGAN (*Dillenia serrata*) SECARA IN VITRO

Abstract: Dengan (*Dillenia serrata*) is an endemic plant found in Luwu Regency. Its primary utilization is still limited to the fruit as a food ingredient, such as dodol, though leaves and barks are often used as medicine. According to Santi Sinala et al. (2019), dengan leaves and bark contain large polyphenols. This study determines the sunscreen activity of the Dengan plant, specifically leaves and bark obtained from Malangké City in Luwu Regency. Also, the study aims to establish the part of the plant with great potential for sunscreen. The leaves and bark of the tree are extracted by maceration using 70% ethanol solvent. The determination of the SPF value was carried out in vitro based on the principle of measuring extraction absorption with a certain concentration at wavelengths of 290-320 nm. The ethanol extract of the bark is made with a concentration series of 100, 200, 300, 400, and 500 ppm, where 100 ppm produced an SPF value of 4,611. Furthermore, the ethanol extracts of the leaves were made in series 50, 100, 150, 200, 250 ppm, where 100 ppm produced an SPF value of 2. This study concluded that the ethanol extract of dengan bark has maximum sunscreen activity with a low concentration compared to ethanol leaves.

Keywords: Dengan, Ethanol Extract, Bark, Leaves, Sunscreen Activity, SPF Value.

Dengan (*Dillenia serrata*) merupakan salah tanaman endemic Indonesia yang dapat ditemukan di Kabupaten Luwu. Pemanfaatan tanaman ini masih sebatas pada bagian buahnya, yang dijadikan bahan masakan dan telah dikembangkan menjadi dodol. Selain buah, daun dan kulit batang dengan telah digunakan masyarakat sebagai obat. Penelitian dari Santi Sinala dkk (2019) daun dan kulit batang dengan memiliki kandungan polifenol yang besar. Penelitian ini bertujuan untuk menentukan aktivitas tabir surya dari dua bagian tanaman Dengan yaitu daun dan kulit batang yang diperoleh dari Kota Malangké, Kab. Luwu, Sul-Sel. Dari penelitian ini nantinya akan ditentukan bagian tanaman yang memiliki potensi besar sebagai tabir surya. Daun dan kulit batang pohon dengan diekstraksi secara maserasi dengan menggunakan pelarut etanol 70%. Penentuan nilai SPF dilakukan secara in vitro dengan prinsip pengukuran serapan ekstrak dengan konsentrasi tertentu pada panjang gelombang 290 – 320 nm. Untuk ekstrak etanol kulit batang dibuat dengan seri konsentrasi 100, 200, 300, 400, 500 ppm, dimana dengan konsentrasi 100 ppm sudah menghasilkan nilai SPF 4,611. Untuk ekstrak etanol daun dibuat seri 50, 100, 150, 200, 250 ppm dimana konsentrasi 100 ppm sudah menghasilkan nilai SPF 2. Dari hasil dimana ekstrak kulit batang dengan dengan SPF 4 pada konsentrasi 100 ppm dan ekstrak daun dengan SPF 2 pada konsentrasi 100 ppm dapat ditarik kesimpulan bahwa ekstrak etanol kulit batang dengan, memiliki memiliki aktivitas tabir surya yang maksimal dengan konsentrasi yang rendah dibandingkan dengan etanol daun

Kata Kunci : Dengan, Ekstrak Etanol, Kulit Batang, Daun, Aktivitas Tabir Surya, Nilai SPF.

journal.poltekkes-mks.ac.id/ojs2/index.php/mediafarmasi/author/submissionReview/1484

Home > User > Author > Submissions > #1484 > Review

#1484 Review

SUMMARY REVIEW EDITING

Submission

Authors: santi sinala, Ismail Ibrahim, Afrida Monica Saleasa, Ratnasari Dewi

Title: POTENSI AKTIVITAS TABIR SURYA EKSTRAK DAUN DAN KULIT BATANG DENGAN (*Dillenia serrata*) SECARA IN VITRO

Section: Articles

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Round 1

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Editor Version: None

Author Version: 14845935-1-ED.DOCX 2020-04-13 DELETE

Upload Author Version: Tidak ada file yang dipilih

Kontak Editor

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OPEN JOURNAL SYSTEMS

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ISSN INTERNATIONAL STANDARD SERIAL NUMBER INTERNATIONAL CENTER

Dimensions

CiteFactor

SUMMARY REVIEW EDITING

Submission

Authors: santi sina, Irmal Ibrahim, Alhida Monica Salata, Rahmazi Dewi
Title: POTENSI AKTIVITAS TABUR, SURYA EKSTRAK DALUN DAN MULLIT BATANG DENGAN (Dillenia serrata) SECARA IN VITRO
Section: Articles
Editor: Hesty Setiawati

Copyediting

COPYEDIT INSTRUCTIONS

REVIEW METADATA	REQUEST	UNDERWAY	COMPLETE
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PICK FILE: Tidak ada file yang dipilih <input type="button" value="Upload"/>			
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Copyedit Comments: No Comments

Layout

Galley Format	FILE	
1. PDF (Bahasa Indonesia) 1484-1484-1484-PROOF	1484-1484-1484-PROOF 2020-05-11	173

Supplementary Files: None

Layout Comments: No Comments

Proofreading

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2. Proofreader	2020-05-10	—	2020-05-10
3. Layout Editor	2020-05-10	—	2020-05-10

Proofreading Corrections: No Comments [PROOFING INSTRUCTIONS](#)

Petunjuk Registrasi

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Petunjuk Submitte Perbaikan Artikel

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