

# BUKTI KORESPONDENSI JURNAL IJFR

JUDUL: Chemical Content and Anatomical Characteristics of Sago (*Metroxylon sagu* Rottb.) Frond from South Kalimantan, Indonesia

Indonesian Journal of Forestry Research

39 / Tyas Istikowati et al. / CHEMICAL CONTENT AND ANATOMICAL CHARACTERISTICS OF SAGO (*Metroxylon sagu* Rottb.) FROND FRC

Workflow Publication

Submission Review Copyediting Production

Submission Files

File Name	Date	Type
7407-40526-1-RV.docx	April 20, 2023	
Manuscript 7407.docx	April 21, 2023	Article Text

Pre-Review Discussions

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Round 1 Round 2 Round 3

Round 3 Status  
Submission accepted.

Reviewer's Attachments

File Name	Date
IJFR Form 03_Peer Reviewer_MB[1].pdf	April 27, 2023

Revisions

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7407-40723-3-ED (Revised by Wiwin April 27th 2023).docx	April 27, 2023	Article Text

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89	IJFR Form 03_Peer Reviewer_7407.pdf	April 21, 2023
90	Manuscript 7407_Koreksi MB2_4 Desember 2022.docx	April 21, 2023

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93	IJFR Form 03_Peer Reviewer_7407.pdf	April 21, 2023
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Round 1 **Round 2** Round 3

**Round 3 Status**  
Submission accepted.

**Reviewer's Attachments** [Q Search](#)

398	IJFR Form 03_Peer Reviewer_MB[1].pdf	April 27, 2023
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1791	Manuscript-7407_Copy+Editing_grammarcheck.docx	October 21, 2023	Article Text
1796	Manuscript 7407 untuk Layout Editor.docx	October 21, 2023	Article Text

Workflow Publication

Status: **Published**

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Title & Abstract

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Title

CHEMICAL CONTENT AND ANATOMICAL CHARACTERISTICS OF SAGO (Metroxylon sagu Rottb.) FROND FRO

Subtitle

Abstract

**B** *I*  $\times^2$   $\times_2$   $\phi$

This research aims to evaluate the suitability of sago palm waste as a fiber raw material in terms of its chemical content and anatomical characteristics. The chemical content analysis of its extractive components, lignin, holocellulose,  $\alpha$ -cellulose, and hemicellulose, was carried out using sago frond powder with a size of 40-60 mesh. Subsequently, functional group analysis was performed using Fourier Transform Infra-Red (FTIR), while anatomical characterization was carried out by calculating the fiber length and diameter, lumen diameter, fiber derivative values, and wall thickness using a microscope connected to a digital camera. Scanning Electron Microscope (SEM) pictures were taken in different magnification. The results showed that sago frond waste is rich in cellulose and lignin. The



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REVIEWER REPORT FORM**

Please complete the review report form which will be used to directly inform the decision as to the suitability of the article for Indonesian Journal of Forestry Research, and to suggest guidelines for any future revisions identified.

Manuscript Title : Chemical Content and Anatomical Characteristics of Sago Frond from South Kalimantan, Indonesia

Manuscript code : 7407/2022

<b>Evaluation</b>	<b>Reviewer Comments</b>
The originality of the subject matter, and whether the manuscript would be of interest to the international, academic and practitioner readership of the IJFR	It is interesting for international readers
The theoretical contribution made by the manuscript	Moderate
Does the manuscript draw on an appropriate range and depth of literature?	Yes
Does the methods employed are rigorous, ethical, and suitable for the topic under investigation?	Yes
Do the findings presented are subjected to suitable analysis and sound conclusions drawn?	Yes
Does the manuscript clearly identify any implications for future research? Are these implications consistent with the findings and conclusions of the manuscript?	No

**Comments for the Author(s) (Please provide your comments for the author(s). Use as many pages as required)**

<p>Some suggestions have not been addressed by authors in the previous review :</p> <p>Introduction</p> <ul style="list-style-type: none"><li>- The botanical name should be mentioned</li><li>- Basic properties of sago from previous research should be mentioned</li></ul> <p>Method</p> <ul style="list-style-type: none"><li>- More detail description of palm frond material (location, condition, part, etc). This version is not sufficient information</li><li>- the ratio between benzene ethanol (in Extractive Content in Ethanol – Benzene ) should be mentioned</li></ul> <p>Discussion</p> <p>The low sugar content and higher lignin content results should be discussed and what is the recommendation for pulping process and what paper products (not only pretreatment for the delignification ) suitable for such condition</p>
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**Confidential comments for the Editors (*if required*)**

-

Please indicate decision and write your detailed comments to the author

Accepted

Minor revisions required

Major revisions required

Rejected

Minor revisions required

Date 1 April 2023



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REVIEWER REPORT FORM**

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<b>Evaluation</b>	<b>Reviewer Comments</b>
The originality of the subject matter, and whether the manuscript would be of interest to the international, academic and practitioner readership of the IJFR	-
The theoretical contribution made by the manuscript	-
Does the manuscript draws on an appropriate range and depth of literature?	-
Does the methods employed are rigorous, ethical, and suitable for the topic under investigation?	-
Do the findings presented are subjected to suitable analysis and sound conclusions drawn?	-
Does the manuscript clearly identify any implications for future research? Are these implications consistent with the findings and conclusions of the manuscript?	-

**Comments for the Author(s) (Please provide your comments for the author(s). Use as many pages as required)**

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**Confidential comments for the Editors (if required)**

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Please indicate decision and write your detailed comments to the author

Accepted

Minor revisions required

Major revisions required

Rejected

One sentence to summarise your decision

**Berdasarkan hasil revisi dari penulis, journal ini sudah layak dan bisa diterbitkan di Jurnal IJFR terima kasih**

Date 12 March 2023

# Indonesian Journal of Forestry Research

eISSN : 2406-8195

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Manuscript code : 7407/2022

Evaluation	Reviewer Comments
The originality of the subject matter, and whether the manuscript would be of interest to the international, academic and practitioner readership of the IJFR	It is interesting for international readers
The theoretical contribution made by the manuscript	Moderate
Does the manuscript draw on an appropriate range and depth of literature?	Yes
Does the methods employed are rigorous, ethical, and suitable for the topic under investigation?	Yes
Do the findings presented are subjected to suitable analysis and sound conclusions drawn?	Yes
Does the manuscript clearly identify any implications for future research? Are these implications consistent with the findings and conclusions of the manuscript?	No

**Comments for the Author(s) (Please provide your comments for the author(s). Use as many pages as required)**

Please check the lignin content in Table 1 (37.99%). With .....” Furthermore, the lignin content of sago frond was 42.02% (Table 1).....”  
Which one is correct ?

**Confidential comments for the Editors (if required)**

Please indicate decision and write your detailed comments to the author

Accepted

Accepted

Minor revisions required

Major revisions required

Rejected

Accepted