

International Journal on Advanced Science, Engineering and Information Technology

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#10345 Summary

SUMMARY REVIEW EDITING

Submission

Authors	Yohanes Parlindungan Situmeang	
Title	Utilization of manure from cows, goats, and chickens as biochar and compost to increase the yield of red chili	
Original file	10345.21421-1-5M.DOCX	2019-11-08
Supp. files	None	ADD A SUPPLEMENTARY FILE
Submitter	Yohanes Parlindungan Situmeang 	
Date submitted	November 8, 2019 - 02:48 PM	
Section	Articles	
Editor	Rahmat Hidayat 	


Status

Status	In Review
Initiated	2019-11-08
Last modified	2019-11-08

Submission Metadata

[EDIT METADATA](#)

Authors

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URL	http://www.pertanian-warmadewa.ac.id
Affiliation	Agriculture Faculty, Warmadewa University
Country	Indonesia
Bio Statement	Agroteknologi

Principal contact for editorial correspondence.

Title and Abstract

Title	Utilization of manure from cows, goats, and chickens as biochar and compost to increase the yield of red chili
Abstract	<p>This study aims to determine the characteristics of biochar, compost, and compost-biochar various waste from livestock manure and its effect on the growth and yield of red chili. This study uses a randomized group design of nested patterns. The treatment composition consisted of 9 types of fertilizer (cow compost, goat compost, chicken compost, cow biochar, goat biochar, chicken biochar, cow compost, goat biochar compost, and chicken compost-biochar), and 3 levels of fertilizer doses (5, 10, and 15 tons ha⁻¹) and one control treatment. The results showed that the type of fertilizer treatment had no significant effect ($P \geq 0.05$) on all observed variables except the maximum plant height and fresh weight of trubus ($P < 0.01$). While the fertilizer dosage treatment had no significant effect ($P \geq 0.05$) on most of the</p>

[IJASEIT] Submission Acknowledgement ➤



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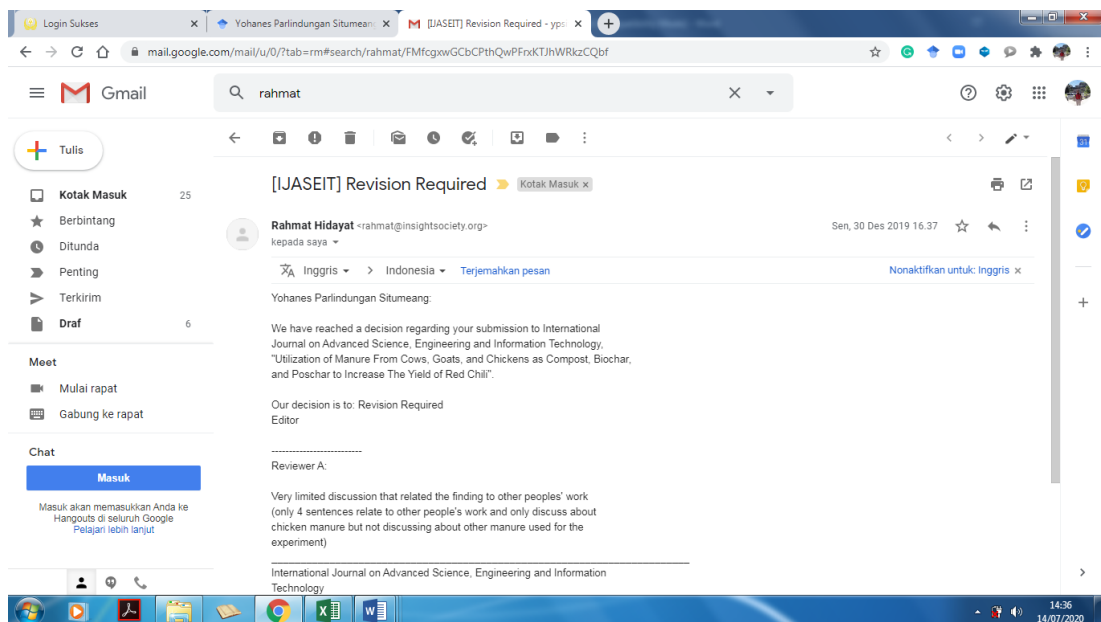
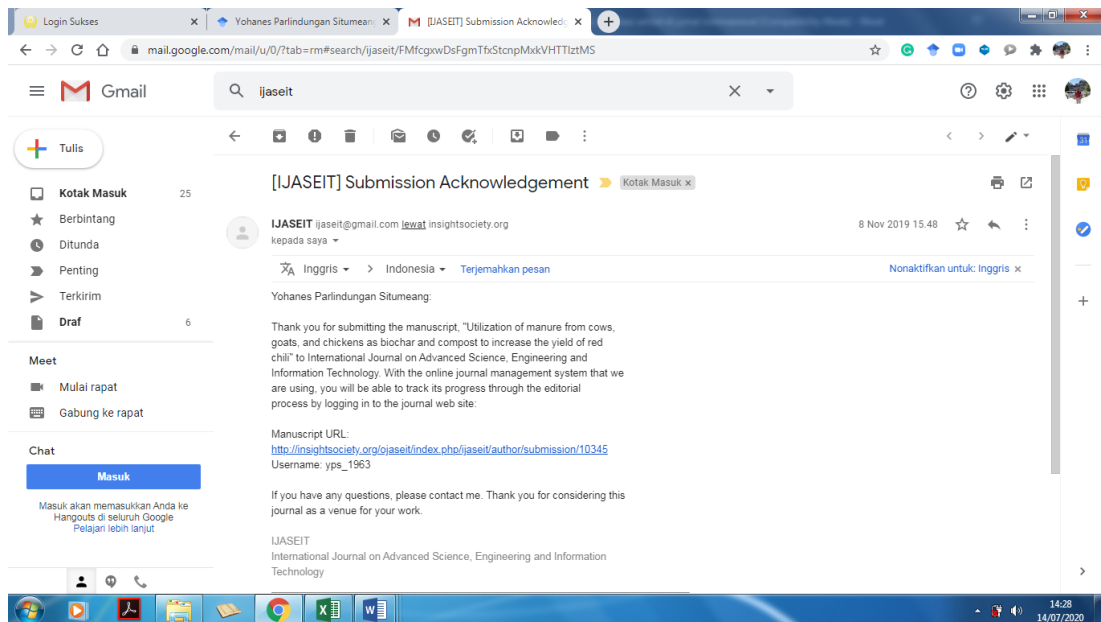


Yohanes Parlindungan Situmeang:

Thank you for submitting the manuscript,
"Utilization of manure from cows,
goats, and chickens as biochar and compost to
increase the yield of red
chili" to International Journal on Advanced
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Information Technology. With the online journal
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[IJASEIT] Accepted Submission Kotak Masuk x

Rahmat Hidayat <rahmat@insightsociety.org> kepada saya 30 Des 2019 16.41

Yohanes Parlindungan Situmeang:

We have reached a decision regarding your submission to International Journal on Advanced Science, Engineering and Information Technology, "Utilization of Manure From Cows, Goats, and Chickens as Compost, Biochar, and Poschar to Increase The Yield of Red Chili".

Our decision is to: Accepted Submission

Editor

Reviewer A:

The novelty of this research is the Manure from Cows, Goats, and Chickens as Compost, Biochar, and Poschar to Increase the Yield of Red Chili. The application significantly increased the yield as much as 39.16%, 41.72%, and 46.48% compared with control (without treatments). "What is the importance of research", Methodology, Results and the Implications of the findings or implications for future research. The aim of research has been mentioned in the introduction and the conclusion already refers to the purpose of the study. However, the English and abstract should be improved. As a result of research with appropriate methodology, this paper is accepted for publication.

14:39 14/07/2020

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mail.google.com/mail/u/0/?tab=rm#search/rahmat+++++/FMfcgwxGCBpThRXkvMrpCPGQhmH8bb

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JOURNAL PROCESSING FEE - 10345 Kotak Masuk x

Rahmat Hidayat <mr.rahmat@gmail.com> kepada saya Sen, 30 Des 2019 17.04

Dear Authors,

RE: JOURNAL PROCESSING FEE

We are happy to inform you that since Volume 5 (2015) *International Journal on Advanced Science, Engineering, Information and Technology* (IJASEIT) has been indexed in **Scopus**. The Scientific committees of IJASEIT agree that your manuscript is **accepted** already published in IJASEIT in Vol. 9 (2019) No. 6.

Title	Manure Utilization from Cows, Goats, and Chickens as Compost, Biochar, and Poschar in Increasing the Red Chili Yield
Authors	Yohanes Parlindungan Situmeang, I Dewa Nyoman Sudita, Made Suarta

Journal Processing Fee: USD \$ 255 + Fast Track Review : USD \$ 100, Total USD \$ 355

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Rahmat Hidayat

Managing Editor

International Journal on Advanced Science, Engineering and Information Technology (IJASEIT)

ISSN: 2088-5334 / e-ISSN: 2460-6952 / DOI: 10.18517

2017 SCImago Journal Rank (SJR): 0.242

International Journal on Advanced Science, Engineering and Information Technology

Computer Science (miscellaneous)

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International Journal on Advanced Science, Engineering and Information Technology

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#10345 Summary

SUMMARY REVIEW EDITING

Submission

Authors Yohanes Parlingungan Situmeang, I Dewa Nyoman Sudita, Made Suarta

Title Manure Utilization from Cows, Goats, and Chickens as Compost, Biochar, and Pocher in Increasing the Red Chili Yield

Original file [2019-11-08](#)

Supp. file None

Submitter Yohanes Parlingungan Situmeang

Date submitted November 8, 2019 - 02:48 PM

Section Articles

Editor Rahmat Hidayat

Abstract views 0

Status

Published Vol 9, No 6 (2019)

Initiated 2019-12-30

Last modified 2020-01-01

Submission Metadata

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Bio Statement Study Program of Agrotechnology, Faculty of Agriculture

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Yohanes Parlingungan Situmeang

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#10345 Summary

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Title and Abstract

Title

Abstract

Manure Utilization from Cows, Goats, and Chickens as Compost, Biochar, and Poschar in Increasing the Red Chili Yield

This study aimed to determine the characteristics of biochar, compost, and poschar from livestock manure waste and its effect on the yield of red chili plants. Randomized Block Design (RBD) with nested patterns was used in this study. The treatment composition consisted of 9 types of fertilizer (cow compost, goat compost, chicken compost, beef biochar, goat biochar, chicken biochar, beef poschar, goat poschar, and chicken poschar), and 3 levels of fertilizer doses (5, 10, and 15-ton ha⁻¹) and one control treatment. The results showed that the type of fertilizer treatment did not significantly influence all observed variables, except the maximum plant height and fresh weight of shoot had a very significant effect. While the dose of fertilizer did not have a significant effect on most of the variables observed except for the height of the chili plant, the weight of the fresh stem and leaves, and the weight of the fresh chili harvested. In various types of fertilizer treatments, the maximum plant height obtained in chicken biochar (11.53 cm), which shows a slight difference when it was compared with the lowest plant height of 99.98 cm in biochar goat. The treatment of compost, biochar, and poschar sourced from 10 tons ha⁻¹ chicken manure achieved the highest yields of fresh weight of chili harvested respectively 266.06 g, 270.95 g, and 280.02 g, which were significantly increased 39.16%, 41.72%, and 46.48% compared with control (without treatments).

Indexing

Keywords

Language

biochar; compost; chili; livestock manure; poschar.

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Supporting Agencies

Agencies

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References

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Stumeang, Y.P., Adnyana I.H., Subadhyasa I.N., N., and Merit I.N., 2019. Effect of dose biochar bamboo, compost, and phoska on growth of maize (Zea mays L.) in dryland. International Journal on Advanced Science, Engineering and Information Technology 5(4), 433-439.

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#10345 Review

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International Journal on Advanced Science, Engineering and Information Technology

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#10345 Review

SUMMARY REVIEW EDITING

Submission

Authors Yohanes Parlingungan Situmeang, I Deva Nyoman Sudita, Made Suarta

Title Manure Utilization from Cows, Goats, and Chickens as Compost, Biochar, and Poschar in Increasing the Red Chili Yield

Section Articles

Editor Rahmat Hidayat

PeerReview

Round 1

Review Version 10345-21845-1-RV.DOCX 2019-11-08

Initiated 2019-12-30

Last modified 2019-12-30

Uploaded file None

Editor Decision

Decision Accept Submission 2019-12-30

Notify Editor Editor/Autor Email Record 2019-12-30

Editor Version None

Author Version 10345-21845-1-RV.DOCX 2019-12-09 08:47PM

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Editor Subject: [IJASEIT] Revision Required **DETAILS**

2019-12-30 Yohanes Parlingungan Situmeang

We have reached a decision regarding your submission to International Journal on Advanced Science, Engineering and Information Technology, "Utilization of Manure From Cows, Goats, and Chickens as Compost, Biochar, and Poschar to Increase The Yield of Red Chili".

Our decision is to: Revision Required

Editor

Reviewer A:

Very limited discussion that related the finding to other peoples' work (only 4 sentences relate to other peoples work and only discuss about chicken manure but not discussing about other manure used for the experiment).

International Journal on Advanced Science, Engineering and Information Technology
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Editor Subject: [IJASEIT] Accepted Submission **DETAILS**

2019-12-30 Yohanes Parlingungan Situmeang

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#10345 Editing

SUMMARYREVIEWEDITING

Submission

AuthorsYohanes Parlingungan Situmeang, I Dewa Nyoman Sudita, Made Suarta

TitleManure Utilization from Cows, Goats, and Chickens as Compost, Biochar, and Poschar in Increasing the Red Chili Yield

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Authors

Yohanes Parlingungan Situmeang

I Dewa Nyoman Sudita

Made Suarta

Title and Abstract

Manure Utilization from Cows, Goats, and Chickens as Compost, Biochar, and Poschar in Increasing the Red Chili Yield

Abstract

Cover

Indexing

biochar; compost; chili; livestock manure; poschar.