

## Bukti Korespondensi Publikasi Ilmiah

Judul Artikel: Pengaruh Dosis Pupuk Kandang Sapi Terhadap Budidaya Jagung Manis Pada Lahan Berpasir

### 1. Submit melalui OJS Agrosains dan Teknologi, 6 Desember 2022

## #14812 SUMMARY

SUMMARY REVIEW EDITING

### SUBMISSION

Authors	saijo saijo saijo
Title	PENGARUH DOSIS PUPUK KANDANG SAPI TERHADAP BUDIDAYA JAGUNG MANIS PADA LAHAN BERPASIR
Original file	14812-38746-1-SM.DOCX 2022-12-06
Supp. files	None <a href="#">ADD A SUPPLEMENTARY FILE</a>
Submitter	saijo saijo saijo
Date submitted	December 6, 2022 - 08:37 AM
Section	Articles
Editor	Yukarie Wulandari

### 2. In Review 12 Desember 2022

## PEER REVIEW

### ROUND 1

Review Version	14812-38747-1-RV.DOCX 2022-12-06
Initiated	—
Last modified	—
Uploaded file	None

## EDITOR DECISION

Decision	—
Notify Editor	Editor/Author Email Record  No Comments
Editor Version	None
Author Version	None
Upload Author Version	<input type="button" value="Choose File"/> No file chosen <input type="button" value="Upload"/>

### 3. Editing Naskah

## COPYEDITING

### COPYEDIT INSTRUCTIONS

#### REVIEW METADATA

	REQUEST	UNDERWAY	COMPLETE
1. Initial Copyedit File: None	—	—	—
2. Author Copyedit File: None <input type="button" value="Choose File"/> No file chosen <input type="button" value="Upload"/>	—	—	
3. Final Copyedit File: None	—	—	—

Copyedit Comments No Comments

### 4. Layout dan Proofreading

## LAYOUT

Galley Format

FILE

*None*

Supplementary Files

FILE

*None*

Layout Comments No Comments

## PROOFREADING

### REVIEW METADATA

	REQUEST	UNDERWAY	COMPLETE
1. Author	—	—	
2. Proofreader	—	—	—
3. Layout Editor	—	—	—

Proofreading Corrections No Comments

PROOFING INSTRUCTIONS

PENGARUH DOSIS PUPUK KANDANG SAPI TERHADAP BUDIDAYA JAGUNG MANIS PADA LAHAN BERPASIR

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Diterima: 03/11/2022

Direvisi: 16/12/2022

Disetujui: 19/12/2022

**ABSTRAK**

Tujuan penelitian adalah mencari dosis efektif pupuk kandang sapi terhadap pertumbuhan dan hasil tanaman jagung manis di lahan berpasir. Penelitian menggunakan Rancangan Acak Kelompok dengan 4 perlakuan dan 4 ulangan sehingga terdapat 16 petak percobaan. Perlakuan pupuk kandang sapi diberikan 2 minggu sebelum tanam, dengan dosis sesuai masing-masing perlakuan yaitu 0 t ha<sup>-1</sup> (S<sub>0</sub>), 15 t ha<sup>-1</sup> (S<sub>1</sub>), 20 t ha<sup>-1</sup> (S<sub>2</sub>) dan 25 t ha<sup>-1</sup> (S<sub>3</sub>). Hasil penelitian ditemukan bahwa pemberian pupuk kandang sapi berpengaruh nyata terhadap semua variabel pertumbuhan. Sedangkan variabel komponen hasil berupa bobot tongkol tanpa kulit per tanaman terbukti dosis 25 t ha<sup>-1</sup> (10 kg petak<sup>-1</sup>) merupakan perlakuan terbaik dan menghasilkan bobot tongkol sebesar 202,10 g tanaman<sup>-1</sup> (8,5 t ha<sup>-1</sup>).

**Kata kunci:** Lahan berpasir, jagung, pupuk kandang sapi

**ABSTRACT**

*The aim of the study was to find the effective dose of cow manure on the growth and yield of sweet corn on sandy soil. Using a randomized block design with 4 treatments with 4 replications and 16 experimental plots. Cow manure treatment was given 2 weeks before planting, with doses according to each treatment, namely 0 t ha<sup>-1</sup> (S<sub>0</sub>), 15 t ha<sup>-1</sup> (S<sub>1</sub>), 20 t ha<sup>-1</sup> (S<sub>2</sub>), and 25 t ha<sup>-1</sup> (S<sub>3</sub>). The results of the study found that the application of cow manure had a significant effect on all growth variables. While the yield component variable in the form of cob weight without skin per plant proved that a dose of 25 t ha<sup>-1</sup> (10 kg plot<sup>-1</sup>) was the best treatment and produced an ear weight of 202.10 g plant<sup>-1</sup> (8.5 t ha<sup>-1</sup>).*

**Keywords:** Sandy land, corn, cow manure