

**RESPON PERTUMBUHAN BIBIT TANAMAN AREN
(*Arenga pinnata* Merr.) AKIBAT PEMBERIAN
PUPUK KANDANG AYAM DAN BIOSAKA**

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ABSTRAK

Tanaman aren memiliki nilai ekonomi yang tinggi, namun kesuburan tanah yang rendah sering membatasi pertumbuhannya. Penelitian ini bertujuan untuk mengetahui pengaruh pupuk kandang ayam dan biosaka terhadap pertumbuhan bibit aren. Penelitian dilakukan menggunakan Rancangan Acak Lengkap (RAL) dengan dua faktor perlakuan, yaitu beberapa dosis pupuk kandang ayam dan biosaka. Berdasarkan hasil penelitian, pertumbuhan terbaik terutama pada tinggi bibit dan panjang akar diperoleh pada perlakuan pupuk kandang ayam 100 g/polybag dan larutan biosaka 9 ml/333 ml air per tanaman. Kombinasi kedua perlakuan tersebut berhasil meningkatkan pertumbuhan keseluruhan bibit aren.

Kata kunci: aren, biosaka, elisitor, pupuk kandang ayam, unsur hara



THE GROWTH RESPONSE OF SUGAR PALM (*Arenga pinnata* Merr.) SEEDLINGS TO THE APPLICATION OF CHICKEN MANURE AND BIOSAKA

ABSTRACT

Sugar palm (*Arenga pinnata* Merr.) has high economic value. However, poor soil fertility often limits its growth. The objective of this study was to determine the effects of chicken manure and biosaka on the growth of sugar palm seedlings. The experiment was conducted using a Completely Randomized Design (CRD) with two treatment factors, namely several doses of chicken manure and biosaka. The results showed that the best growth of sugar palm seedlings, particularly in seedling height and root length, was obtained on the treatment combination of 100 g/polybag of chicken manure and 9 ml biosaka/333 ml water per plant. The combination of both treatments successfully enhanced the overall growth of sugar palm seedlings.

Keywords: sugar palm, biosaka, elicitor, chicken manure, nutrients.

