

# **PENGARUH TAKARAN PUPUK ORGANIK CAIR KOTORAN SAPI DAN JARAK TANAM TERHADAP PERTUMBUHAN DAN HASIL BUNCIS**

**Jarmadi**  
**14011050**

## **INTISARI**

Penelitian dengan tujuan untuk mengetahui pengaruh takaran pupuk organik cair kotoran sapi dan jarak tanam terhadap pertumbuhan dan hasil buncis, telah dilaksanakan pada bulan Juli sampai dengan September 2018, di Kuncup Grosir Bibit Buah dan Tabulampot, Jalan pakem km 14 Candibinangun, Pakem, Kabupaten Sleman, Daerah Istimewa Yogyakarta. Ketinggian tempat penelitian 600 m di atas permukaan laut, jenis tanah regosol. Penelitian dilaksanakan dengan menggunakan Rancangan faktorial 3x4 yang ditata dalam rancangan petak terbagi dengan 3 x ulangan. Faktor yang digunakan : Faktor pertama jarak tanam terdiri atas 2 taraf : a. 40cm x 60cm, b. 40cm x 70cm, dan faktor kedua takaran pupuk terdiri atas 4 taraf, yaitu : 0 ml/tanaman, 60 ml/tanaman, 70 ml/tanaman, 80 ml/tanaman. Hasil penelitian menunjukkan bahwa, perbedaan takaran pupuk organik cair kotoran sapi dan jarak tanam tidak memberikan pengaruh yang berbeda pada pertumbuhan dan hasil buncis.

**Kata kunci :** buncis, jarak tanam, POC kotoran sapi, pertumbuhan, hasil.

***THE EFFECT OF DOSE OF LIQUID ORGANIC FERTILIZER OF COW DUNG  
AND PLANT SPACING ON GROWTH AND YIELD OF STRINGBEAN***

**Jarmadi  
14011050**

***ABSTRACT***

*The research aimed to determine the effect of cow dung liquid organic fertilizer and planting space on growth and yield of stringbean have done from July to September 2018 at Kincup Grosir Bibit Buah dan Tabulampot, 14 km pakem street Candibinangun, Pakem, Sleman, Yogyakarta. The research place took at 600 m above sea level with regosols. The study was conducted using a 3 X 4 factorial treatments arranged in split-plot design with three replications. The factor used were : planting space as main plot consisted of two levels, 40 cm X 60 cm and 40 cm X 70 cm. Second factor was fertilizer dosage consisted of four levels were : 0ml/plant, 60ml/plant, 70ml/plant, and 80 ml/plant. The result showed that different dose at cow dung liquid organic fertilizer and planting space were not give a different effect on growth and yield of stringbean.*

***Keywords:*** *beans, spacing, POC cow manure, growth, yield.*