

ABSTRACT

A greenhouse experiment was conducted to study, the influence of bio-slurry fertilizer on growth and yield of Caisim (Brassica juncea L.) from January – March 2016. Thus research aims was to know and determine the suitable doses of bio-slurry on growth and yield of Caisim (Brassica juncea L.)

The research was done in experimental method, arranged in randomized, completely design consist of 5 treatments and 5 replikacion per each treatments.

The treatments are :

A = 10 ton/hectare of manure

B = 5 ton/hectare of bio-slurry

C = 7.5 ton/hectare of bio-slurry

D = 10 ton/hectare of bio-slurry

E = 12.5 ton/hectare of bio-slurry

The result showed that (1) bio-slurry was able to substitute manure on Caisim cultivation,(2) Application of 12,5 ton/hectare gave the higher yield of Caisim

Keyword : Caisim, fertilizer Bio-slurry, fertilizer manure