

ABSTRAK

Penelitian ini berjudul pengaruh Pengaruh Beberapa Jenis Pupuk Organik Terhadap Pertumbuhan dan Hasil Tanaman Sawi Hijau (*Brassica juncea* L.). Pengaruh pupuk organik diperlakukan untuk meningkatkan pertumbuhan dan hasil khususnya tanaman sawi hijau. Tujuan untuk melihat pengaruh berbagai jenis pupuk kandang terhadap pertumbuhan dan hasil tanaman sawi hijau dan untuk mengetahui pupuk kandang yang memberikan pertumbuhan terbaik dan hasil tanaman sawi hijau. Penelitian ini menggunakan metode penelitian rancangan acak kelompok (RAK) dengan menggunakan berbagai macam pupuk organik yaitu pupuk kandang sapi, pupuk kandang kambing, pupuk kandang ayam, pupuk kascing, dan pupuk campur (kandang sapi, kandang kambing, pupuk kandang ayam, dan pupuk kascing) dengan 6 taraf P0 (tanpa pupuk), P1 (pupuk kandang sapi 50 g / 10 kg tanah), P2 (pupuk kandang kambing 50 g / 10 kg tanah), P3 (pupuk kandang ayam 50 g / 10 kg tanah), P4 (pupuk kascing 50 g / 10 kg tanah), dan P5 (pupuk campur 50 g / 10 kg tanah yaitu pupuk kandang sapi 12,5 g + pupuk kandang kambing 12,5 g + pupuk kandang ayam 12,5 g + pupuk kascing 12,5 g). Penulis mengumpulkan data dari parameter tinggi tanaman (cm), jumlah daun (helai) luas daun (cm), berat segar total tanaman (g), dan berat kering total tanaman (g). Data diambil dari masing-masing parameter. Perlakuan pemberian Jenis pupuk organik berpengaruh sangat nyata terhadap pertumbuhan dan hasil tanaman sawi hijau (*Brassica juncea* L.). Perlakuan campuran pupuk organik memberikan pertumbuhan dan hasil tanaman sawi hijau (*Brassica juncea* L.) terbaik pada berat segar total tanaman 38,79 g dan berat kering oven total tanaman 7,53 g.

Kata kunci: Jenis Pupuk Organik, Pertumbuhan, Hasil, dan Tanaman Sawi Hijau.

UNMAS DENPASAR

ABSTRACT

This study entitled the effect of the effect of several types of organic fertilizer on the growth and yield of mustard greens (*Brassica juncea* L.). The effect of organic fertilizers is to increase the growth and yield of mustard greens in particular. The purpose of this study was to determine the effect of various types of manure on the growth and yield of mustard greens and to find out which manure gave the best growth and yield of mustard greens. This study used a randomized block design (RAK) method using various kinds of organic fertilizers, namely cow manure, goat manure, chicken manure, vermicompost fertilizer, and mixed fertilizers (cow cage, goat manure, chicken manure, and vermicompost).) with 6 levels P0 (without fertilizer), P1 (cow manure 50 g / 10 kg soil), P2 (goat manure 50 g / 10 kg soil), P3 (chicken manure 50 g / 10 kg soil), P4 (50 g / 10 kg of soil vermicompost) and P5 (50 g / 10 kg of soil mixed fertilizer, namely 12.5 g of cow manure + 12.5 g of goat manure + 12.5 g of chicken manure + 12 vermicompost). ,5 g). The authors collected data from the parameters of plant height (cm), number of leaves (strands) leaf area (cm), total plant fresh weight (g), and total plant dry weight (g). Data is taken from each parameter. The treatment of giving type of organic fertilizer has a very significant effect on the growth and yield of mustard greens (*Brassica juncea* L.). The mixed organic fertilizer treatment gave the best growth and yield of green mustard (*Brassica juncea* L.) at a total fresh weight of 38.79 g and a total plant dry weight of 7.53 g.

Keywords: Types of Organic Fertilizer, Growth, Yield, and Mustard Greens.

