ABSTRAK

Penelitian ini berjudul Respon Pertumbuhan Dan Hasil Tanaman Jagung Manis (*Zea mays Saccharata Sturt*) Pada Pemberian Pupuk Kandang Sapi. Pengaruh pupuk kandang sapi diperlakukan untuk mengetahui pertumbuhan dan hasil khususnya tanaman jagung manis. Tujuan penelitian ini yaitu untuk mengetahui pengaruh pupuk kandang sapi terhadap pertumbuhan dan hasil tanaman jagung manis dan untuk mengetahui pengaruh pupuk kandang sapi mana yang memberikan pertumbuhan dan hasil tanaman jagung manis yang terbaik. Penelitian ini menggunakan metode rancangan acak kelompok (RAK) dengan menggunakan pupuk kandang sapi dengan 6 taraf yaitu (K0) tanpa pemberian pupuk kandang sapi, (K1) 5 ton/ha pupuk kandang sapi, (K2) 10 ton/ha pupuk kandang sapi, (K3) 15 ton/ha pupuk kandang sapi, (K4) 20 ton/ha pupuk kandang sapi, dan (K5) 25 ton/ha pupuk kandang sapi. Penulis mengumpulkan data dari parameter tinggi tanaman, jumlah daun, luas daun, berat segar tajuk tanaman, berat segar akar, berat segar tongkol, berat kering oven tajuk tanaman, berat kering oven tongkol, berat kering oven akar, diameter tongkol tanpa klobot, dan Panjang tongkol tanpa klobot. Hasil pemberian pupuk kandang sapi berpengaruh sangat nyata terhadap tinggi tanaman, jumlah daun, luas daun, Panjang tongkol tanpa klobot, diameter tongkol tanpa klobot, berat segar tajuk tanaman, berat segar tongkol tanpa klobot, berat segar akar,berat kering oven tajuk tanaman, berat kering oven tongkol tanpa klobot,dan berat kering oven akar. Pemberian pupuk kandang sapi 20 ton/ha,dan 25ton/ha memberikan hasil yang terbaik pada berat segar tongkol tanpa klobot yaitu 225,46 g dan 230,85 g berat kering oven tongkol tanpa klobot yaitu 81, 43 g dan 92,07 g

Kata kunci: pupuk kandang sapi dan jagung manis.

ABSTRACT

This study was entitled Growth Response and Yield of Sweet Corn Plants (Zea mays Saccharata Sturt) on The Application of Cow Manure. The influence of cow manure is treated to determine growth and yield, especially sweet corn crops. The purpose of this study is to determine the effect of cow manure on the growth and yield of sweet corn plants and to find out the effect of which cow manure provides the best growth and yield of sweet corn plants. This study used a group randomized design method (RAK) using cow manure with 6 levels, namely (K0) without the application of cow manure, (K1) 5 tons / ha of cow manure, (K2) 10 tons / ha of cow manure, (K3) 15 tons / ha of cow manure, (K4) 20 tons / ha of cow manure, and (K5) 25 tons / ha of cow manure. The authors collected data from the parameters of plant height, number of leaves, leaf area, fresh weight of the plant canopy, fresh weight of the root, fresh weight of the cob, dry weight of the plant canopy oven, dry weight of the cob oven, dry weight of the root oven, diameter of the cob without clobot, and Length of the cob without clobot. The results of applying cow manure have a very noticeable effect on plant height, number of leaves, leaf area, Cob length without clobot, cob diameter without clobot, fresh weight of plant canopy, fresh weight of cob without clobot, fresh weight of root, dry weight of plant canopy oven, dry weight of cob oven without clobot, and dry weight of root oven. The application of cow manure 20 tons / ha, and 25ton / ha gave the best results on the fresh weight of the cob without clobot, namely 225.46 g and 230.85 g of the dry weight of the cob oven without clobot, namely 81. 43 g and 92.07 g

Keywords: cow manure and jasweet gung.