

Ahmad Sanubari Ali Yasin. 170311100019. Pengaruh Macam Pupuk Organik Terhadap Pertumbuhan dan Hasil Tanaman Kecipir (*Psophocarpus tetragonolobus*. L). Dibimbing Oleh: Dr. Catur Wasonowati, S.P., M.Si. dan Ir. Achmad Djunaedy, M.P.

ABSTRAK

Tanaman kecipir (*Psophocarpus tetragonolobus*. L) adalah salah satu jenis tanaman sayuran yang mudah dibudidayakan di Indonesia. Tanaman kecipir memiliki kaya akan manfaat dan nutrisi. Penelitian ini bertujuan untuk Mengetahui pengaruh pemberian macam pupuk organik. Penelitian ini dilaksanakan di Kebun Percobaan Agroekoteknologi Universitas Trunojoyo Madura pada bulan Mei – Agustus 2021 menggunakan Rancangan Acak Kelompok dengan 3 kali ulangan dan 8 perlakuan macam pupuk organik yaitu kontrol, pupuk kandang sapi 4 ton/ha, pupuk kandang sapi 7 ton/ha, pupuk kandang sapi 10 ton/ha, pupuk kandang sapi 13 ton/ha, pupuk kompos 4 ton/ha, pupuk kompos 7 ton/ha, pupuk kompos 10 ton/ha, pupuk kompos 13 ton/ha. Data pengamatan dianalisis dengan Analisis Sidik Ragam, kemudian diuji lanjut dengan Uji Beda Nyata Duncan (BNJD) pada taraf 5%. Hasil penelitian menunjukkan bahwa perlakuan pemberian macam pupuk organik tidak berbeda nyata pada semua parameter (jumlah daun, bobot basah polong, diameter batang, bobot total kering tanaman, jumlah polong, bobot total basah tanaman, panjang polong, lebar polong, panjang akar primer dan sekunder) kecuali parameter panjang tanaman yang memberikan hasil berpengaruh nyata pada pengamatan 8 MST.

Kata kunci : kecipir, pupuk organik, pertumbuhan, hasil

Ahmad Sanubari Ali Yasin. 170311100019. Effect of Giving Various Kind of Organic Fertilizers on Growth and Yield of Winged Beans (*Psophocarpus tetragonolobus*. L). Supervised By: Dr. Catur Wasonowati, S.P., M.Si. and Ir. Achmad Djunaedy, M.P.

ABSTRACT

Winged bean (*Psophocarpus tetragonolobus*. L) is a type of vegetable plant that is easily cultivated in Indonesia. Winged bean plants have a lot of benefits and nutrients. This study aims to determine the effect of giving various kinds of organic fertilizers. This research was conducted at the Experimental Garden of Agrotechnology, University of Trunojoyo Madura in May – August 2021 using a Randomized Block Design with 3 replications and 8 treatments, control, cow manure 4 tons/ha, cow manure 7 tons/ha, cow manure 10 tons/ha, cow manure 13 tons/ha, compost 4 tons/ha, compost 7 tons/ha, compost 10 tons/ha, compost 13 tons/ha. Observational data were analyzed by analysis of variance prints, then further tested with Duncan's Significant Difference Test (BNJD) at the 5% level. The results showed that the treatment with various organic fertilizers was not significantly different in all parameters (number of leaves, wet weight of pods, stem diameter, total dry weight of plants, number of pods, total wet weight of plants, pod length, pod width, primary and secondary root lengths).) except for the plant length parameter which gives a significant effect on the observation of 8 MST.

Keywords: winged bean, organic fertilizer, growth, yield