

PENGARUH TAKARAN PUPUK KASCING TERHADAP PERTUMBUHAN DAN HASIL BUNCIS

**Joel Tumpal Hasoloan Situmorang
18012086**

INTISARI

Penelitian ini bertujuan untuk mengetahui pengaruh takaran pupuk kascing terhadap pertumbuhan dan hasil buncis. Penelitian dilaksanakan di Jurug, Desa Agrosari, Kecamatan Sedayu, Kabupaten Bantul, Provinsi DIY dimulai dari bulan Februari s/d April 2020. Pada penelitian ini menggunakan rancangan perlakuan faktor tunggal yang terdiri dari 5 perlakuan yang disusun di lapangan menggunakan Rancangan Acak Lengkap (RAL) dengan 3 ulangan. Perlakuan yang diuji adalah takaran pupuk kascing yang terdiri atas 5 aras, yaitu 1. NPK 200 kg/ha, 2. kascing 5 ton/ha), 3. 10 ton/ha, 4. 15 ton/ha, 5. 20 ton/ha. Data hasil penelitian dianalisis menggunakan sidik ragam taraf 5%. Apabila ada beda nyata dilakukan uji lanjut dengan *Duncan's Multiple Range Test* (DMRT) taraf 5%. Hasil penelitian menunjukkan berpengaruh pada pertumbuhan tajuk tanaman. Takaran pupuk kascing 20 ton/ha memberikan pertumbuhan tajuk tanaman buncis terbaik dibandingkan dengan perlakuan lainnya.

Kata Kunci : Buncis, hasil, pupuk kascing, pertumbuhan, takaran.

EFFECT OF DOSE OF VERMICOMPOST ON GROWTH AND YIELD OF BEAN

**Joel Tumpal Hasoloan Situmorang
18012086**

ABSTRACT

This research aims to discover the effect of vermicompost on growth and yield of beans. The research was carried out in Jurug, Agrosari Village, Sedayu District, Bantul Regency, Yogyakarta Province starting from February to April 2020. This research method used a single factor treatment which consists of 5 treatments arranged in the field using a completely randomized design (CRD) with 3 replications, namely 1. NPK 200 kg/ha, 2. vermicompost 5 tons/ha, P. 10 tons/ha, 4. 15 tons/ha, 5. 20 tons/ha. The research data were analyzed using a level of variance of 5%. If there is a significant difference, further testing is carried out with the Duncan Multiple Range Test (DMRT) at the 5% level. The results showed that there was an influence on the growth of plant canopy. Giving vermicompost 20 tons/ha gave the best green bean shoot growth compared to other treatments. tends to provide the best growth plant canopy of bean compared to other treatments.

Keywords : Bean, yields, Vermicompost, Growth, Measures.