

PENGARUH DOSIS BOKASHI PUPUK KANDANG SAPI TERHADAP PERTUMBUHAN DAN HASIL JAGUNG PUTIH LOKAL

Subroto Utomo

18012098

INTISARI

Penelitian ini bertujuan untuk mengetahui pengaruh dosis bokashi pupuk kandang sapi terhadap pertumbuhan dan hasil tanaman jagung putih lokal serta mengetahui dosis bokashi pupuk kandang sapi yang memberikan pertumbuhan tanaman dan hasil jagung putih lokal yang baik. Penelitian ini dilaksanakan dari bulan Januari sampai bulan April tahun 2021. Lokasi penelitian di Demplot Sentral Jamur Merang dan Pertanian Terpadu. “Lestari Makmur” milik bapak Sumarjan yang berada di Dusun Kepuhan, Desa Argorejo, Kecamatan Sedayu, Kabupaten Bantul, Daerah Istimewa Yogyakarta. Ketinggian tempat penelitian 87,5meter diatas permukaan laut dengan jenis tanah Vertisol. Penelitian ini merupakan penelitian percobaan dengan metode Rancangan Acak Kelompok Lengkap (RAKL) faktor perlakuan tunggal yaitu perlakuan dosis bokashi pupuk kandang sapi yang terdiri atas 4 aras perlakuan yaitu D0 = tanpa bokashi, D1 = bokashi 5 ton/ha, D2 = bokashi 15 ton/ha dan D3 = bokashi 25 ton/ha. Variabel yang diamati meliputi tinggi tanaman, diameter batang dan jumlah daun umur 2 hingga 8 mst, bobot basah dan kering tajuk, waktu pembungaan, tinggi letak tongkol, Panjang dan diameter tongkol, bobot tongkol dan bobot biji per tongkol, bobot biji per ha, bobot 100 biji dan bobot biomasa. Data hasil pengamatan dianalisis dengan analisis varians dan diuji lanjut dengan uji Jarak berganda Duncan pada $\alpha=5\%$. Hasil penelitian menunjukkan bahwa pada pengamatan pertumbuhan dan hasil tanaman jagung putih lokal pemberian dosis 15 ton/ha bokashi pupuk kandang sapi tidak berbeda nyata dengan pemberian dosis 25 ton/ha bokashi pupuk kandang sapi.

Kata kunci: Jagung putih lokal, dosis bokashi pupuk kandang sapi, pertumbuhan dan hasil

EFFECT OF BOKASHI COW MANURE DOSAGE ON THE GROWTH AND YIELD OF LOCAL WHITE CORN

Subroto Utomo

18012098

ABSTRACT

This study aims to determine the effect of bokashi dose of cow manure on the growth and yield of local white corn plants and to determine the dose of bokashi cow manure for good growth and yield of local white corn plants. This research was carried out from January to April 2021. The research location was in the Central Demplot for Merang Mushrooms and Integrated Agriculture. "Lestari Makmur" belongs to Mr. Sumarjan who is located in Kepuhan Hamlet, Argorejo Village, Sedayu District, Bantul Regency, Special Region of Yogyakarta. The height of the research site is 87.5 meters above sea level with Vertisol soil type. This study is an experimental study using a Completely Randomized Block Design (RAKL) method with a single treatment factor, namely the treatment of bokashi dose of cow manure consisting of 4 levels of treatment, namely D0 = no bokashi, D1 = bokashi 5 tons/ha, D2 = bokashi 15 tons/ha. ha and D3 = bokashi 25 tons/ha. Variables observed included plant height, stem diameter and number of leaves aged 2 to 8 weeks after planting, canopy wet and dry weight, flowering time, ear height, ear length and diameter, ear weight and seed weight per ear, seed weight per hectare, weight 100 seeds and biomass weight. Observational data were analyzed by analysis of variance and further tested by Duncan's multiple distance test at =5%. The results showed that in observing the growth and yield of local white corn, the dose of 15 tons/ha of bokashi of cow manure was not significantly different from the dose of 25 tons/ha of bokashi of cow manure.

Keywords : *local white corn, , bokashi cow manure , growth and yield*