

ABSTRAK

PENGARUH KOMBINASI TAKARAN PUPUK KOMPOS JERAMI PADI DAN PUPUK NPK TERHADAP PERTUMBUHAN DAN HASIL TANAMAN JAGUNG MANIS (*Zea mays saccharata L.*)

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Jagung manis semakin populer dan banyak dikonsumsi karena memiliki rasa yang manis. Kadar gulanya 5 sampai 6 % lebih tinggi dibanding jagung biasa yang kadar gulanya 2 sampai 3%. Penelitian ini bertujuan untuk mengetahui pengaruh dosis kombinasi pupuk kompos jerami padi dan pupuk NPK terhadap pertumbuhan dan hasil tanaman jagung manis serta mengetahui takaran pupuk kompos jerami padi dan pupuk NPK yang memberikan pengaruh terbaik terhadap pertumbuhan dan hasil tanaman jagung manis. Penelitian ini dilaksanakan pada bulan Juli sampai Oktober 2021, dikebun yang berada di Desa Jayamukti Kecamatan Pancatengah Kabupaten Tasikmalaya. Penelitian ini menggunakan Rancangan Acak Kelompok (RAK) dengan 4 perlakuan dan diulang sebanyak 6 kali yaitu, P1=NPK 150 kg/ha + kompos jerami padi 35 ton/ha, P2=NPK 200 kg/ha + kompos jerami padi 30 ton/ha, P3=NPK 250 kg/ha + kompos jerami padi 25 ton/ha, P4=NPK 300 kg/ha + kompos jerami padi 20 ton/ha. perlakuan diberikan pada 14 HST, 28 HST dan 49 HST. Hasil penelitian menunjukkan bahwa kombinasi NPK 200 kg/ha + kompos jerami padi 30 ton/ha berpengaruh baik oleh tanaman jagung manis pada jumlah daun. Pemberian NPK 300 kg/ha + kompos jerami padi 20 ton/ha direspons baik oleh tanaman jagung manis pada luas daun.

Kata kunci : NPK, kompos jerami padi, jagung manis

ABSTRACT

THE EFFECT OF COMBINATION OF RICE STRAW AND NPK FERTILIZER COMBINATION ON THE GROWTH AND PRODUCTION OF SWEET CORN (*Zea mays saccharata L.*)

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Sweet corn is increasingly popular and widely consumed because it has a sweet taste. The sugar content is 5 to 6% higher than ordinary corn which contains 2 to 3% sugar. This study aims to determine the effect of the combination dose of rice straw compost and NPK fertilizer on the growth and yield of sweet corn plants and to determine the best dose of rice straw compost and NPK fertilizer on the growth and yield of sweet corn plants. This research was carried out from July to October 2021, in a garden located in the Jayamukti Village, Pancatengah District, Tasikmalaya Regency. This study used a Randomized Block Design (RBD) with 4 treatments and was repeated 6 times, namely P1=NPK 150 kg/ha + rice straw compost 35 tons/ha, = P2=NPK 200 kg/ha + rice straw compost 30 tons/ha, P3=NPK 250 kg/ha + rice straw compost 25 tons/ha, P4=NPK 300 kg/ha + rice straw compost 20 tons/ha. Treatments were given at 14 DAP, 28 DAP and 49 DAP. The results showed that the combination of NPK 200 kg/ha + rice straw compost 30 tons/ha had a good on sweet corn in leaf count. The application of NPK 300 kg/ha + rice straw compost 20 tons/ha was responded well by sweet corn in leaf area.

Keywords : NPK, rice straw, sweet corn