PENGARUH BERBAGAI JENIS MEDIA TANAM DAN UKURAN WADAH SEMAI TERHADAP PERTUMBUHAN SEMAI BIBIT MELON (*Cucumis melo* L.)

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ABSTRAK

Melon merupakan komoditas penting pada sektor buah-buahan, namun hasil produksi masih fluktuatif, sehingga perlu dilakukannya teknis budidaya yang baik. Penelitian bertujuan menentukan interaksi antara jenis media tanam dan penggunaan berbagai ukuran wadah semai yang baik untuk pertumbuhan semai melon. Penelitian dilaksanakan di *green house*, Fakultas Pertanian Universitas Pembangunan Nasional "Veteran" Yogyakarta menggunakan rancangan Acak Lengkap (RAL) faktorial. Faktor pertama pengunaan jenis media tanam yaitu cocopeat, peatmoss, dan arang sekam, faktor kedua adalah ukuran wadah semai 5,5 cm x 5,5 cm, 5 cm x 5 cm, 4 cm x 4 cm. Data dianalisis menggunakan sidik ragam taraf 5% dan uji DMRT taraf 5%. Hasil penelitian terdapat interaksi antara perlakuan media tanam dan ukuran wadah semai pada parameter persentase tumbuh tanaman. Kombinasi perlakuan yang baik adalah media tanam cocopeat dengan ukuran wadah semai 5,5 cm x 5,5 cm. Perlakuan media tanam cocopeat dan peatmoss memberikan pertumbuhan yang baik pada parameter tinggi tanaman. Media tanam arang sekam memberikan pertumbuhan yang baik pada parameter panjang akar. Media tanam peatmoss memberikan pertumbuhan yang baik pada parameter bobot segar tanaman dan bobot kering tanaman. Ukuran wadah semai 5,5 cm x 5,5 cm memberikan pertumbuhan yang baik pada parameter bobot segar tanaman dan bobot kering tanaman.

Kata kunci : Melon, jenis media tanam, Ukuran Wadah Semai semai

THE EFFECT OF VARIOUS TYPES OF PLANTING MEDIA AND SEEDLING CONTAINER SIZES ON THE GROWTH OF MELON SEEDLINGS

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ABSTRACT

Melon is an important commodity in the fruit sector, but production results are still fluctuating, so it is necessary to carry out good cultivation techniques. The study aims to determine the interaction between the type of planting media and the use of various sizes of seedling containers that are good for the growth of melon seedlings. The study was conducted in a greenhouse, Faculty of Agriculture, National Development University "Veteran" Yogyakarta using a factorial Completely Randomized Design (CRD). The first factor is the use of the type of planting media, namely cocopeat, peatmoss, and rice husk charcoal, the second factor is the size of the seedling container 5.5 cm x 5.5 cm, 5 cm x 5 cm, 4 cm x 4 cm. Data were analyzed using a 5% level of variance and a 5% level of DMRT test. The results of the study showed an interaction between the treatment of planting media and the size of the seedling container on the percentage of plant growth parameters. A good combination of treatments is cocopeat planting media with a seedling container size of 5.5 cm x 5.5 cm. The treatment of cocopeat and peatmoss planting media provided good growth in plant height parameters. Rice husk charcoal planting media provides good growth in root length parameters. Peatmoss planting media provides good growth in plant fresh weight and plant dry weight parameters. The size of the seedling container is 5.5 cm x 5.5 cm which provides good growth in plant fresh weight and plant dry weight parameters.

Keywords: Melon, types of planting media, seedling container sizes