

ABSTRAK

Sri Wahyuni, NIM 4181220005 (2022). Pengaruh Komposisi Media Tanam Dan Interval Waktu Pemberian Air Cucian Beras Terhadap Pertumbuhan Tanaman Seledri (*Apium graveolens* L.).

Penelitian ini bertujuan untuk mengetahui pengaruh komposisi media tanam dan interval waktu pemberian air cucian beras, serta pengaruh interaksi komposisi media tanam dengan interval waktu pemberian air cucian beras terhadap pertumbuhan tanaman seledri (*Apium graveolens* L.). Penelitian ini dilaksanakan pada 04 April 2022 sampai dengan 13 Juni 2022 di lahan pertanian Desa Kubu Colia, Kecamatan Dolat Rayat, Kabupaten Karo. Jenis penelitian ini adalah penelitian eksperimental dengan Rancangan Acak Kelompok (RAK) Faktorial. Jumlah perlakuan yaitu 8 kombinasi perlakuan dan 3 ulangan. Analisis data menggunakan Analisis Varians (ANOVA) dilanjutkan dengan uji lanjut Duncan (DMRT) pada taraf 5 %. Parameter yang diamati dalam penelitian ini yaitu tinggi tanaman, jumlah daun, jumlah anakan, dan berat basah tanaman. Hasil penelitian menunjukkan bahwa komposisi media tanam berpengaruh nyata terhadap tinggi tanaman, jumlah daun, jumlah anakan dan berat basah tanaman yang diamati, diperoleh komposisi media tanam tanah dengan pupuk kandang ayam dengan arang sekam padi (2:1:1). Interval waktu pemberian air cucian beras berpengaruh nyata terhadap tinggi tanaman, jumlah daun, jumlah anakan dan berat basah tanaman yang diamati. Serta berpengaruh nyata terhadap interaksi perlakuan antara komposisi media tanam dengan interval waktu pemberian air cucian beras terhadap pengamatan jumlah daun, namun tidak berpengaruh nyata pada parameter tinggi tanaman, jumlah anakan, dan berat basah tanaman.

Kata Kunci: *Tanaman Seledri, Komposisi Media Tanam, Air Cucian Beras*



ABSTRACT

Sri Wahyuni, NIM 4181220005 (2022). The Effect of Composition of The Planting Media and The Time Interval of Rice Washing Water on Growth Celery Plants (*Apium graveolens* L.).

This study aims to determine the effect of the composition of the planting medium and the time interval of giving rice washing water, as well as the effect of the interaction of the composition of the planting media with the time interval of giving rice washing water on the growth of celery (*Apium graveolens* L.). This research was conducted from April 4, 2022 to June 13, 2022 at the agricultural land in Kubu Colia Village, Dolat Rayat Subdistrict, Karo Regency. This type of research is an experimental study with a factorial Randomized Block Design (RAK). The number of treatments were 8 treatment combinations and 3 replications. Data analysis used Analysis of Variance (ANAVA) followed by Duncan's Advanced Test (DMRT) at the 5% level. Parameters observed in this study were plant height, number of leaves, number of tillers, and plant wet weight. The results showed that the composition of the growing media had a significant effect on plant height, number of leaves, number of tillers and wet weight of the observed plants. The composition of the planting medium was soil with chicken manure and rice husk charcoal (2:1:1). The time interval of giving rice washing water had a significant effect on plant height, number of leaves, number of tillers and wet weight of the observed plants. It also had a significant effect on the treatment interaction between the composition of the planting medium and the time interval of giving rice washing water to the observation of the number of leaves, but had no significant effect on the parameters of plant height, number of tillers, and plant wet weight.

Keywords: *Celery Plants, Planting Media Composition, Rice Wash Water*

