

PENGARUH TAKARAN KOMPOS KULIT BIJI KOPI TERHADAP PERTUMBUHAN DAN HASIL JAMUR MERANG

Hidayat Mursalin
15011068

Intisari

Kulit biji kopi mengandung C-organik, nitrogen fosfor, dan kalium yang dapat meningkatkan hasil jamur merang. Penelitian ini bertujuan untuk mengetahui pengaruh pemberian takaran kulit biji kopi untuk pertumbuhan dan hasil jamur merang. Penelitian ini telah dilaksanakan pada Maret sampai dengan Mei 2019 di Kelompok Tani Lestari Makmur Bapak Marjan, Argorejo, Sedayu, Bantul, Yogyakarta. Penelitian ini merupakan penelitian dengan metode faktor tunggal yang disusun dalam Rancangan Acak Kelompok Lengkap dengan 3 ulangan. Perlakuan yang diujikan K0 = Jerami 100%, K1 = Jerami 97,5%+kulit biji kopi 2,5%, jerami 95%+kulit biji kopi 5%, jerami 92,5%+kulit biji kopi 7,5%, dan jerami 90%+kulit biji kopi 10%. Hasil penelitian menunjukkan bahwa berpengaruh pada berbagai perlakuan media tanam yang berbeda pada variabel tinggi badan buah jamur merang, jumlah badan buah jamur merang, berat badan buah jamur merang, dan berat segar total badan buah jamur merang. Perlakuan jerami 97,5%+kulit biji kopi 2,5% dan jerami 100% lebih baik daripada perlakuan jerami 92,5%+kulit biji kopi 7,5%, jerami 95%+kulit biji kopi 5%, jerami 90%+kulit biji kopi 10% terhadap tinggi badan buah. Perlakuan jerami 92,5%+kulit biji kopi 7,5% lebih baik dari perlakuan jerami 95%+kulit biji kopi 5%, jerami 97,5%+kulit biji kopi 2,5%, jerami 90%+kulit biji kopi 10% dan jerami 100% terhadap jumlah badan buah jamur merang, berat badan buah jamur merang, dan berat segar total badan buah jamur merang.

Kata kunci : Jamur merang, kulit biji kopi, takaran.

***EFFECT OF COFFEE BEAN COAT COMPOST
DOSE ON GROWTH AND YIELD OF STRAW
MUSHROOM***

Hidayat Mursalin
15011068

Abstract

Coffee bean coat contains C-organic, nitrogen phosphorus, and potassium which can increase the yield of mushroom. This study aims to determine the effect of giving a dose of coffee bean coat for growth and yield of mushroom. This research was carried out in March to May 2019 in the Makmur Lestari Farmer Group, Marjan, Argorejo, Sedayu, Bantul, Yogyakarta. This study is a single factor method which was arranged in a Complete Randomized Block Design with 3 replications. The treatments tested were K0 = 100% straw, K1 = 97.5% straw + 2.5% coffee bean coat, 95% straw + 5% coffee bean coat, 92.5% straw + 7.5% coffee bean coat, and 90% straw + 10% coffee bean coat. The results showed that the effect on a variety of different planting media treatments on variable height of the mushroom fruit mushroom, the number of mushroom fruit body mushrooms, mushroom fruit body weight, and total fresh weight of mushroom fruit body. The treatment of 97.5% straw + 2.5% coffee bean coat and 100% straw is better than the treatment of 92.5% straw + 7.5% coffee bean coat, 95% straw + 5% coffee bean coat, 90% straw + coffee bean coat 10% of fruit height. 92.5% straw treatment + 7.5% coffee bean coat better than 95% straw treatment + 5% coffee bean coat, 97.5% straw + 2.5% coffee bean coat, 90% straw + coffee bean coat 10 % and straw 100% of the total body weight of the mushroom fruit, the weight of the mushroom fruit, and the total fresh weight of the mushroom fruit body.

Keywords: straw mushroom, coffee bean coat, dose.