

**PENGARUH DOSIS TETES TEBU
PADA BEBERAPA MACAM MEDIA TANAM TERHADAP
PERTUMBUHAN DAN HASIL JAMUR MERANG**

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INTISARI

Jamur merang merupakan bahan makanan bergizi tinggi yang banyak diminati oleh masyarakat, sehingga diharapkan pemberian tetes tebu dan media yang baik dapat mengoptimalkan pertumbuhan dan hasil jamur merang. Penelitian ini bertujuan untuk mengetahui dosis tetes tebu dan macam media yang paling baik dalam meningkatkan pertumbuhan dan hasil jamur merang. Penelitian dilaksanakan dikampung milik petani jamur, di Desa Agrotejo, Kecamatan Sedayu, Kabupaten Bantul, Daerah Istimewa Yogyakarta. Dilaksanakan mulai bulan September sampai November 2018 dengan ketinggian 87,5 mdpl. Metode yang digunakan adalah Rancangan Acak Kelompok Lengkap (RAKL) dengan 2 faktor. Faktor pertama adalah macam media, terdiri dari 3 taraf yaitu (L1) jerami 42,5 kg + batang pisang 2,5 kg, (L2) jerami 40 kg + batang pisang 5 kg, (L3) jerami 37,5 + batang pisang 7,5 kg. Faktor kedua adalah dosis tetes tebu, terdiri dari 4 taraf yaitu (P0) 0 ml/m², (L2) 2400 ml/m², (L3) 3000 ml/m², (L4) 3600 ml/m². Dari kedua faktor tersebut diperoleh 12 kombinasi. Masing-masing kombinasi dilakukan pengulangan sebanyak 3 kali sehingga diperoleh 36 unit perlakuan. Hasil penelitian menunjukkan bahwa perlakuan media jerami 42,5 kg + batang pisang 2,5 kg memberikan hasil tertinggi dibandingkan dengan perlakuan macam media jerami 37,5 kg + batang pisang 7,5 kg dan jerami 40 kg + batang pisang 5 kg menunjukkan pada parameter jumlah total tubuh buah jamur merang dan bobot total tubuh buah jamur merang. Pada pemberian dosis tetes tebu 0 ml/m², 2400 ml/m², 3000 ml/m², 3600 ml/m² menunjukkan tidak beda nyata.

Kata kunci : Jamur merang, Tetes tebu, Komposisi media

**EFFECT OF SUGARCANE MOLASSES DOSAGE
ON VARIOUS TYPE OF PLANTING MEDIA ON GROWTH AND YIELD OF
STRAW MUSHROOM**

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Abstract

The straw mushroom is a high nutritious food that is mostly demanded by the community, thus it is expected by giving cane sugar molasses and well-suited planting medium can optimise its growth and yield of mushroom. The research was aimed to determine the dose of sugar cane molasses and the wide range of medium to improve the growth and yield of the straw mushroom. The study was carried out in a mushroom farmhouse, in Agrotejo Village, Bantul Regency, Special Region of Yogyakarta started from September to November 2018 with an altitude of 87.5 meters above sea level. The method used in this research was Randomised Complete Block Design (RCBD) with two factors. The first factor was the various type of medium, consisting of three levels namely (L1) 42.5 kg of paddy straw + 2.5 kg of banana stem, (L2) 40 kg of paddy straw + 5 kg of banana stem, (L3) 37.5 of paddy straw + 7.5 kg of banana stem. The second factor was the dose of sugar cane molasses consisting of four levels namely (P0) 0 ml/m², (L2) 2400 ml/m², (L3) 3000 ml/m², (L4) 3600 ml/m² and there were 12 combinations and each of the combinations was repeated three times and 36 treatment units in total were obtained. This research indicated that the media treatment of 42.5 kg of paddy straw + 2.5 kg of banana stem gave the highest results compared to the treatment of 37.5 kg straw media + 7.5 kg banana stalks and 40 kg banana straw + 5 kg banana stems showing the parameters of the total body number of the mushroom and the total weight of the mushroom. At the administration of sugarcane drops 0 ml / m², 2400 ml / m², 3000 ml / m², 3600 ml / m² showed no significant difference.

Keywords : Straw mushrooms, sugarcane molasses, medium compositions