

**RESPON PERTUMBUHAN DAN HASIL JAMUR TIRAM (*Pleurotus*
ostreatus (Jacq.) P. Kumm.) TERHADAP KOMPOSISI MEDIA TANAM
DAN DOSIS MOLASE PADA MEDIA BAGLOG**

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ABSTRAK

Media baglog dapat menggunakan kombinasi *cocopeat* dan molase. Penelitian bertujuan mengkaji interaksi komposisi media tanam dan dosis molase, mendapat komposisi media tanam, dan dosis molase paling baik bagi jamur tiram serta mengkaji perlakuan kontrol dibandingkan kombinasi perlakuan. Penelitian menggunakan Rancangan Acak Lengkap (RAL) 2 faktor dan diulang 3 kali. Faktor pertama, komposisi media tanam yaitu : media dasar 800 g + *cocopeat* 200 g, media dasar 750 g + *cocopeat* 250 g, media dasar 700 g + *cocopeat* 300 g. Faktor kedua, dosis molase yaitu : 10, 15, dan 20 ml/baglog. Kemudian, ditambah perlakuan kontrol. Data dianalisis menggunakan *Analysis of Variance* (ANOVA) taraf 5%, uji kontras ortogonal, dan uji lanjut *Duncan's Multiple Range Test* (DMRT) taraf 5%. Hasil penelitian menunjukkan tidak terdapat interaksi antara perlakuan komposisi media tanam dan dosis molase terhadap semua parameter. Perlakuan komposisi media dasar 800 g + *cocopeat* 200 g memberikan hasil paling baik pada parameter lama waktu pertumbuhan miselium, waktu muncul *pin head* pertama, diameter tudung, jumlah badan buah, dan berat kering. Perlakuan dosis molase 10 ml/baglog memberikan hasil paling baik pada parameter waktu awal miselium tumbuh dan waktu muncul *pin head* pertama. Perlakuan kontrol memberikan hasil paling baik dibandingkan kombinasi perlakuan pada seluruh parameter.

Kata Kunci: Jamur tiram, *Cocopeat*, Molase

**RESPONSE OF THE GROWTH AND YIELD OF OYSTER MUSHROOM
(*Pleurotus ostreatus* (Jacq.) P. Kumm.) TO THE COMPOSITION OF
GROWING MEDIA AND THE DOSAGE OF MOLASSES IN BAGLOG**

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ABSTRACT

The baglog medium can use a combination of cocopeat and molasses. The study aims to examine the interaction between the composition of the planting medium and the molasses dosage, to obtain the best composition of the planting medium and molasses dosage for oyster mushrooms, and to examine the control treatment compared to the treatment combinations. The study used a Completely Randomized Design (CRD) with 2 factors and was repeated 3 times. The first factor, growing medium composition, namely: 800 g base medium + 200 g cocopeat, 750 g base medium + 250 g cocopeat, and 700 g base medium + 300 g cocopeat. The second factor, molasses dosage, namely: 10, 15, and 20 ml/baglog. Then, a control treatment was added. The data were analyzed using Analysis of Variance (ANOVA) at a 5% level, orthogonal contrast test, and Duncan's Multiple Range Test (DMRT) at a 5% level. The results showed no interaction between the treatment of growing medium composition and molasses dosage on all parameters. The treatment of 800 g base medium + 200 g cocopeat provided the best results in terms of mycelium growth time, time of first pinhead appearance, cap diameter, number of fruit bodies, and dry weight. The molasses dose treatment of 10 ml/bag provided the best results for the parameters of initial mycelium growth time and time of first pinhead appearance. The control treatment provided the best results compared to the treatment combinations for all parameters.

Keywords: Oyster mushroom, Cocopeat, Molasses