

## ABSTRAK

**Yoga Al Muhyi. 2022. Pengaruh Nutrisi Tepung Organik Daun Bambu dan Kombinasi Media Serbuk Kayu Sengon - Jati Terhadap Percepatan Pertumbuhan Miselium Serta Hasil Jamur Tiram (*Pleurotus ostreatus*). Dibawah bimbingan Dr. Liberty Chaidir, SP., M.Si dan Budy Frasetya T.Q., STP., MP.**

Jamur tiram merupakan salah satu komoditas sayuran yang memiliki nilai komersial cukup tinggi. Prospek budidaya jamur tiram sangat baik karena belum banyak yang membudidayakan di Indonesia serta didukung potensi sumber daya alam yang cukup besar. Aspek penting yang harus diperhatikan dalam budidaya jamur tiram adalah masa pertumbuhan miselium serta hasil jamur tiram. Pertumbuhan miselium yang tidak sempurna akan mempengaruhi hasil jamur tiram. Penelitian ini merupakan salah satu solusi untuk mempercepat pertumbuhan miselium serta hasil jamur tiram dengan memanfaatkan potensi nutrisi daun bambu dan kombinasi media serbuk kayu sengon – jati sebagai aktivator pertumbuhan miselium serta hasil jamur tiram. Penelitian ini bertujuan mengetahui interaksi perlakuan nutrisi daun bambu dan kombinasi media serbuk kayu sengon – jati terhadap percepatan pertumbuhan miselium serta hasil jamur tiram (*Pleurotus ostreatus*). Penelitian ini dilaksanakan di Cibaliung, Pandeglang, Banten. Sejak bulan April sampai Juli 2021. Metode yang digunakan merupakan metode Eksperimental Rancangan Acak Lengkap (RAL) Faktorial, dengan 2 perlakuan dan 3 kali ulangan. Faktor pertama nutrisi daun bambu terdiri dari 5 taraf perlakuan: n0 = kontrol nutrisi; n1 = 10gr; n2 = 20gr; n3 = 30gr; n4 = 40gr, Faktor kedua kombinasi serbuk kayu sengon dan jati: m0 = kontrol sengon; m1 = kontrol jati; m2 = sengon : jati (1:1); m3 = sengon : jati (4:6); m4 = sengon : jati (3:7). Uji lanjut menggunakan metode Uji DMRT pada taraf 5%. Hasil penelitian menunjukkan perlakuan n4 berpengaruh nyata terhadap jumlah tudung jamur tiram n4 (40 gr nutrisi) 11,40 tudung jamur tiram.

Kata kunci: F1 jamur tiram, kombinasi media, nutrisi daun bambu.

## ABSTRACT

**Yoga Al Muhyi. 2022. Effect of Organic Flour Nutrition of Bamboo Leaves and Combination of Zincon - Teak Wood Powder Media on The Acceleration of Mycelium Growth and Oyster Mushroom Results (*Pleurotus ostreatus*). Under the guidance of Dr. Liberty Chaidir, SP., M.Si and Budy Frasetya T.Q., STP., MP.**

Oyster mushrooms are vegetable commodities that have a fairly high commercial value. The prospect of oyster mushroom cultivation is outstanding because few cultivate in Indonesia and are supported by the potential of considerable natural resources. An important aspect that must be considered in the cultivation of oyster mushrooms is the growth period of mycelium and the results of oyster mushrooms. Imperfect growth of mycelium will affect the yield of oyster mushrooms. This research is one solution to accelerate the growth of mycelium and oyster mushroom results by utilizing the nutritional potential of Bamboo leaves and the combination of Zincon – Teak wood powder media as an activator of mycelium growth and oyster mushroom results. This study aims to find out the interaction of the nutritional treatment of bamboo leaves and the combination of Zincon - Teak wood powder media to accelerate the growth of mycelium and the results of oyster mushrooms (*Pleurotus ostreatus*). This study was conducted in Cibaliung, Pandeglang, Banten. From April to July 2021. The method used is the Factorial Complete Random Design Experimental (RAL) method, with 2 treatments and 3 repeats. The first factor of Bamboo leaf nutrition consists of 5 levels of treatment: n0 = nutritional control; n1 = 10gr; n2 = 20gr; n3 = 30gr; n4 = 40gr, Second factor combination of Zincon – Teak wood powder media: m0 = zincon control; m1 = teak control; m2 = zincon : teak (1:1); m3 = zincon : teak (4:6); m4 = zincon : teak (3:7). Further tests use the DMRT Test method at the 5% level. The results showed that the treatment of n4 had a noticeable effect on the number of oyster mushroom hoods n4 (40 grams of nutrients) 11.40 oyster mushroom hoods.

Keywords: bamboo leaf nutrition, F1 oyster mushrooms, media combination.