

## **PENGARUH MACAM MEDIA DARI BERBAGAI LIMBAH TERHADAP PERTUMBUHAN DAN HASIL JAMUR MERANG**

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### **INTISARI**

Jamur merang merupakan salah satu *edibel mushroom* yang mempunyai prospek untuk dikembangkan. Penelitian ini bertujuan untuk mendapatkan media dari alang-alang, kardus dan klaras yang dapat memberikan pertumbuhan dan hasil jamur merang terbaik. Penelitian ini dilaksanakan di sentra produksi jamur “Lestari Makmur”, Agrotejo, Sedayu, Bantul, Daerah Istimewah Yogyakarta dengan ketinggian 87,50 mdpl di bulan Agustus-November 2019. Rancangan yang digunakan dalam penelitian ini adalah Rancangan Acak Kelompok Lengkap (RAKL) faktor tunggal. Perlakuan yang diuji meliputi : P1 = Media jerami padi (100%), P2 = Media alang-alang (100%), P3 = Media kardus (100%), P4 = Media klaras (100%), P5 = Media jerami padi + media alang-alang (1:1), P6 = Media jerami padi + media kardus (1:1) dan P7 = Media jerami padi + media klaras (1:1). Pertumbuhan jamur merang paling baik terjadi pada media jerami padi + media klaras (1:1), diikuti media jerami padi (100%) dan media klaras (100%), selanjutnya media jerami padi + media alang-alang (1:1), media jerami padi + media kardus (1:1), media kardus (100%) dan media yang kurang baik adalah media kardus (100%) dan alang-alang (100%). Perlakuan dengan media yang terdiri dari media jerami padi + media klaras (1:1), media jerami padi + media kardus (1:1), media kardus (100%) menghasilkan hasil yang paling baik diikuti media klaras (100%), media jerami padi (100%), selanjutnya media jerami padi + media alang-alang (1:1) dan yang memberikan hasil paling rendah adalah media yang terdiri atas alang-alang (100%).

**Kata kunci:** Media Alang-alang; Media Kardus; Media Klaras; Jamur Merang

## THE EFFECT OF VARIOUS KINDS OF MEDIA FROM VARIOUS WASTE ON GROWTH AND YIELD OF STRAW MUSHROOM

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### ABSTRACT

*Straw mushroom is one of the edible mushrooms that has prospects for development. This study aims to obtain the best media from reeds, cardboard and klaras that can give growth and yield of mushroom the best. This research was conducted at the "Lestari Makmur" mushroom production center, Agrorejo, Sedayu, Bantul, Yogyakarta Special Region with an altitude of 87.50 meters above the sea level in August-November 2019. The design used in this study was a Complete Randomized Group Design (RAKL) single factor. The treatments tested included: P1 = rice straw media (100%), P2 = reeds media (100%), P3 = cardboard media (100%), P4 = klaras media (100%), P5 = rice straw media + reeds media (1: 1), P6 = rice straw media + cardboard media (1: 1) and P7 = rice straw media + klaras media (1: 1). The growth mushroom is best in rice straw media + klaras media (1: 1), followed by rice straw media (100%) and klaras media, then rice straw media + reed media (1: 1), rice straw media + cardboard media (1: 1), cardboard media (100%) and unfavorable media are cardboard media (100%) and reeds (100%). The treatment with media consisting of rice straw media + klaras media (1: 1), rice straw media + cardboard media (1: 1), cardboard media (100%) produces the best results followed by klaras media (100%), media rice straw (100%), then the rice straw media + reeds media (1: 1) and those that provide the lowest yield are the media consisting of reeds (100%).*

**Keywords:** *Reeds media; Cardboard Media; Klaras Media; Straw Mushroom*