

INTISARI

Penelitian ini bertujuan untuk mengetahui efektifitas penambahan nutrisi kompos daun gamal dan molase dalam pertumbuhan dan produktivitas jamur tiram putih serta menentukan dosis terbaik dari daun gamal dan molase bagi pertumbuhan jamur tiram.

Penelitian ini disusun dalam RAL (Rancangan Acak Lengkap) dengan rancangan percobaan faktor tunggal sehingga pada penelitian ini terdapat sembilan perlakuan , yaitu penambahan kompos daun gamal 100 gram dan molase 10 ml, kompos daun gamal 150 gram dan molase 10 ml, kompos daun gamal 200 gram dan molase 10 ml, kompos daun gamal 100 gram dan molase 15 ml, kompos daun gamal 150 gram dan molase 15 ml, kompos daun gamal 200 gram dan molase 15 ml, kompos daun gamal 100 gram dan molase 20 ml, kompos daun gamal 150 gram dan molase 20 ml dan kompos daun gamal 200 gram dan molase 20 ml. parameter yang diamati adalah total hari perkembangan miselium, persentase pertumbuhan miselium setiap minggu, bobot *baglog*, persentase kontaminasi, waktu panen pertama, jumlah badan buah, berat segar panen, frekuensi panen dan berat total panen.

Hasil penelitian menunjukkan perlakuan kompos daun gamal 150 gram dan molase 20 ml memberikan hasil terbaik terhadap total hari pertumbuhan miselium selama 28,56 hari, persentase mingguan pertumbuhan jamur tiram menutup 100% pada minggu ke empat, waktu panen pertama selama 7,44 hari jumlah badan buah sebanyak 64,11 buah frekuensi panen lima kali dan total panen sebanyak 499,94 gram.

Kata kunci: Kompos daun gamal, molase, jamur tiram

ABSTRACT

This study has purposes to determine the effectiveness of the addition of nutrients of compost gamal leaves and molasses in the growth and productivity of oyster mushrooms and establish the best dose of gamal and molasses for the growth of mushrooms. This research is arranged in CDR (Completely Random Design) with single factor experiment design so in this research there are nine treatments, they are the addition of 100 gram gamal leaf compost and 10 ml molasses, 150 grams of gamal leaf compost and 10 ml molasses, 200 gram gamal leaf compost And molasses 10 ml, compost leaf gamal 100 gram and molasses 15 ml, compost leaf gamal 150 gram and molasses 15 ml, compost leaf gamal 200 gram and molasses 15 ml, compost leaf gamal 100 gram and molasses 20 ml, 150 gram gamal leaf compost and 20 ml of molasses and 200 g of gamal leaf compost and 20 ml of molasses. Parameters that observed are total days of mycelium development, percentage of mycelium growth per week, baglog weight percentage of contamination, first harvest time, number of fruit body, fresh weight of harvest, harvest frequency and total weight of harvest. The results of this research showed that 150 ml gamal leaf compost and 20 ml molasses gave the best result to total day of mycelium growth for 28,56 days, weekly percentage growth of oyster mushroom cover 100% at week 4, first harvest time for 7,44 day amount of body Fruit are 64,11 harvest frequency five times and total harvest is 499,94 grams.

Keywords: compost gamal leaves, molasses, oyster mushroom