

## RINGKASAN

Penelitian Aplikasi *Benzyl Amino Purin* (BAP) Terhadap Pertumbuhan Dan Produksi Jamur Tiram Putih (*Pleorotus ostreatus* L) Tujuan penelitian untuk memperoleh data pertumbuhan dan produksi tanaman Jamur Tiram Putih (*Pleorotus ostreatus* L) dengan pengaplikasian *Benzyl Amino Purin* (BAP) pada dosis yang berbeda. Penelitian dilakukan di Sumatra Kebun Jamur, Budidaya Jamur, Jalan, Benteng Hilir, No. 19 Kelurahan Bandar Khalifah Kec. Percut Sei Tuan Kab, Deli Serdang. Penelitian dilaksanakan mulai bulan Mei 2016 sampai dengan bulan Agustus 2016. menggunakan Rancangan Acak Lengkap (RAL) Non Faktorial, yang terdiri dari 5 taraf yaitu A0 = Tanpa BAP, A1 = Menggunakan BAP 0,05 mg/L, A2 = menggunakan BAP 0,1 mg/L, A3 = menggunakan BAP 0,15 mg/L, A4 = menggunakan BAP 0,2 mg/L dengan empat ulangan. Hasil penelitian menunjukkan bahwa pemberian BAP terhadap Jamur Tiram Putih menunjukkan pengaruh sangat nyata terhadap parameter bobot basah panen ke 2, dan diameter tubuh buah panen 1. Dosis BAP yang menunjukkan pengaruh tertinggi adalah A2 (0,1 mg/L).

**Kata kunci : Jamur Tiram Putih ( *Pleorotus ostreatus* L ), *Benzyl Amino Purin* (BAP)**

## ABSTRACT

The research on Applications Benzyl Amino Purine (BAP) To Growth And Production Of White Oyster Mushroom (*Pleorotus ostreatus*. L) The purpose of the study to obtain data on the growth and yield of White Oyster Mushroom (*Pleorotus ostreatus*. L) with the application of Benzyl Amino Purine (BAP) at different doses. The study was conducted in Sumatra Gardens Mushrooms, Mushroom Cultivation, Street, Fort Hilir, No. 19 Sub Bandar Khalifah district. Percut Kab Sei Tuan, Deli Serdang. The research was started in May 2016 to August 2016 using completely randomized design (CRD) Non Factorial, which consists of 5 levels ie A0 = Without BAP, A1 = Use BAP 0.05 mg / L, A2 = use BAP 0, 1 mg / L, A3 = use BAP 0.15 mg / L, A4 = use BAP 0.2 mg / L, with four replications. The results showed that administration of BAP to the White Oyster Mushroom showed highly significant effect on the parameters of wet weight of the harvest to 2, and the diameter of the body of the fruit harvest 1. Dose BAP showed the highest influence is A2 (0.1 mg / L).

**Keywords: White Oyster Mushroom (*Pleurotus ostreatus* L), *Benzyl Amino Purine* (BAP)**