

## INTISARI

Kulit pisang merupakan limbah organik yang mempunyai kandungan nutrisi yang berguna bagi tanaman. Penelitian ini bertujuan untuk mengetahui efektifitas pupuk organik cair (POC) kulit pisang sebagai sumber kalium terhadap pertumbuhan dan hasil tanaman terong ungu, dan menentukan imbangan yang tepat penggunaan sumber kalium dari POC kulit pisang dan pupuk KCl. Penelitian dilaksanakan di Lahan Percobaan Pertanian UMY dengan waktu pelaksanaan bulan September sampai November 2018. Penelitian dilakukan dengan menggunakan Rancangan Acak Lengkap (RAL) dengan 6 taraf perlakuan yaitu : (P1) 100 % K (POC kulit pisang), (P2) 80 % K (POC kulit pisang) + 20 % K (Pupuk KCl), (P3) 60 % K (POC kulit pisang) + 40 % K (Pupuk KCl), (P4) 40 % K (POC kulit pisang) + 60 % K (Pupuk KCl), (P5) 20 % K (POC kulit pisang) + 80 % K (Pupuk KCl), dan (P6) 100 % K (Pupuk KCl) (kontrol). Hasil penelitian menunjukkan bahwa perbandingan pupuk organik cair kulit pisang yang diujikan memberikan hasil yang sama terhadap pertumbuhan dan hasil tanaman terong ungu.

**Kata kunci** : limbah kulit pisang, efektifitas POC kulit pisang, tanaman terong ungu

## **ABSTRACT**

*Banana bark is organic waste which has nutrients that are useful for plants. This study aims to determine the effectiveness of liquid organic fertilizer (LOF) of banana bark as a potassium source for growth and yield of purple eggplant, and determine the right balance of the use of potassium sources from organic liquid fertilizer banana peel and KCl fertilizer. The study was conducted at the UMY Agricultural Experiment Field with the implementation period from September to November 2018. The study was conducted using a Completely Randomized Design (CRD) which consist of 6 treatment levels are : 100% K (LOF banana bark), 80 % K (LOF banana bark) + 20% K (KCl fertilizer), 60% K (LOF banana bark)+ 40% K (KCl fertilizer), 40% K (LOF banana bark) + 60% K (KCl fertilize)r, 20% K (LOF banana bark) + 80% K (KCl fertilizer), and 100% K (KCl fertilizer) as control. The results showed that the comparison of banana peel liquid organic fertilizer treatment gave similar results to the growth and yield of purple eggplant.*

**Key words** : banana bark waste, efectivity of liquid organic fertilizer of banana bark, purple eggplant