

# PENGARUH UMUR PANEN TERHADAP KANDUNGAN BAHAN KERING BAHAN ORGANIK DAN ABU PADA MAGGOT *Hermetia illucens*

*(Effect of Harvest Age on Dry Matter, Organic Material and Ash Content of Maggot Hermetia illucens)*

Rodiana<sup>1</sup>, Tati Rohayati<sup>2</sup> dan Ervi Herawati<sup>3</sup>

<sup>1</sup> Alumni Program Studi Peternakan, Fakultas Pertanian, Universitas Garut

<sup>2,3</sup> Program Studi Peternakan, Fakultas Pertanian, Universitas Garut

Email:

<sup>1</sup> rodianasaffar@gmail.com

<sup>2</sup> tarohayati@gmail.com

<sup>3</sup> erviherawati@uniga.ac.id

## Abstrak

Penelitian ini bertujuan untuk mengetahui pengaruh umur panen terhadap kandungan bahan kering, bahan organik dan abu pada maggot *Hermetia illucens*. Metode yang digunakan adalah metode eksperimental menggunakan Rancangan Acak Lengkap (RAL) dengan empat perlakuan dan lima ulangan, sehingga jumlah sampel sebanyak 20 biopond dengan bobot maggot 1 gram/biopond. Perlakuan yang di gunakan adalah umur panen yaitu P1 ( umur panen 7 hari), P2 (umur panen 14 hari), P3 ( umur panen 21 hari) dan P4 (umur panen 28 hari). Variabel yang diamati terdiri dari kandungan bahan kering, bahan organik dan abu. Hasil penelitian menunjukkan umur panen memberikan pengaruh terhadap kandungan bahan kering, bahan organik dan abu pada maggot *Hermetia illucens*. Umur panen 21 hari memberikan pengaruh optimal terhadap kandungan bahan kering (33,53%), bahan organik (89,94%) dan abu (10,06%) pada maggot *Hermetia illucens*.

**Kata kunci:** Umur Panen, Maggot, Bahan Kering, Bahan Organik, Abu

## Abstract

*This study aims to determine the effect of harvest age on the dry matter, organic matter and ash content of maggot Hermetia illucens. The method used was an experimental method using a Completely Randomized Design (CRD) with four treatments and five replications, so that there were 20 bioponds filled each with 1 gram of maggot weight / biopond. The treatments used were harvest age, namely P1 (harvesting age 7 days), P2 (harvesting age 14 days), P3 (harvesting age 21 days) and P4 (harvesting age 28 days). The variables observed consisted of dry matter, organic matter and ash. The results showed that the harvest age had an influence on the dry matter content, organic matter and ash of maggots Hermetia illucens*

*Harvest age of 21 days has an optimal effect on the dry matter content (33.53%), organic matter (89.94%) and ash (10.06%) in maggots Hermetia illucens.*

**Keywords:** Harvest, Maggots, Dry Materials, Organic Ingredients, Ash

Winarno, F.G. 2004. *Kimia Pangan dan Gizi*. Gramedia Pustaka Utama. Jakarta