

**LAPORAN PRAKTEK LAPANGAN**

**DAMPAK KASGOT LALAT TENTARA HITAM (*Hermetia illucens*) PADA PERTUMBUHAN PAKCOY (*Brassica chinensis* L.) DI LEMBAGA ILMU PENGETAHUAN INDONESIA KECAMATAN CIBINONG KABUPATEN BOGOR**

***THE IMPACT OF THE KASGOT BLACK SOLDIER FLY (*Hermetia illucens*) ON THE GROWTH OF PAKCOY (*Brassica chinensis* L.) IN INDONESIAN SCIENCE INSTITUTIONS IN SUB DISTRICT CIBINONG, DISTRICT BOGOR***



M Rizky Agandi  
05081281621021

**PROGRAM STUDI PROTEKSI TANAMAN  
FAKULTAS PERTANIAN  
UNIVERSITAS SRIWIJAYA  
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**LEMBAR PENGESAHAN**

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**PRAKTEK LAPANGAN**

Sebagai Salah Satu Syarat Untuk Mendapatkan Gelar Sarjana Pertanian pada Fakultas Pertanian Universitas Sriwijaya

Oleh:

**M Rizky Agandi**  
05081281621021

Indralaya, Juli 2020  
Pembimbing

  
**Dr. Ir. Arinafri**

NIP 196504061990031003

**ILMU ALAM PENGABDIAN**

Mengetahui,  
Ketua Program Studi Proteksi Tanaman  
Fakultas Pertanian Unsri

  
**Dr. Ir. Suparmay SHK**  
NIP 196001021985031019

## SUMMARY

**M. RIZKY AGANDI.** Influence of Black Soldier Fly (*Hermetia illucens* L.) Frass on the Growth of Pak Choy (*Brassica chinensis* L.) at Indonesia Institute of Sciences Experimental Station, Cibinong, Bogor. (Supervised by **ARINAFRIL**)

Black Soldier Fly (BSF) belongs to Order Diptera and has important role on human due to its role in bioconversion of organic waste which may be later used as frass compost. Compost is known as good fertilizer to grow horticultural plants

This field work was aimed to determine the influence of BSF maggot on the growth of Pak Choy (*Brassica chinensis* L.). Study was carried out by applying 7 treatments of compost and 5 controls, i.e. no treatment or control, compost, NPK Fertilizer, frass 5 %, frass 10 %, frass 15 %, and Bio-organic Fertilizer + Compost.

Field work which has been carried out at Laboratory of Microbiology and Greenhouse of Center for Biological Research, Indonesian Institute of Science, Cibinong, Bogor, from January to March 2020. Study was done by direct observation or scan sampling.

Study showed that frass significantly influenced the growth of pak choy compared to control.

**Keywords:** Black Soldier Fly; Frass; Pak Choy