

**ABSTRACT**

**Leny Febriyani**

**DIFFERENCES OF VARIATION OF TURBULAR LIGHTS ON THE  
CUBE FLY TRAP ELECTROCUTOR TOWARDS FLY CATCHED IN  
PACKING HOUSE LEMBANG AGRI**

ix + 92 Pages + 13 Tables + 5 Appendices

Flies play a role in public health, that is as vectors of mechanical disease transmission to humans. Gapoktan Lembang Agri is an organization engaged in agriculture as a provider of food needs likes vegetables and fruits. The production process at Packing House Lembang Agri includes harvesting, receiving, sorting, washing, packaging, and storing vegetables and fruits. Some of these processes can lead to potential fly overcrowding. The speed measurement at Lembang Agri's Packing House has a speed index result of  $> 2$ , so it is included in the high category. The purpose of this study was to determine the variation of the turbular lamp on the Flytrap Electrocutor on the attraction of flies in Packing House Lembang Agri. This type of research is experimental research with Posttest With Control research design. The treatments given were 3 (three) treatments, that's variations of yellow turbular lights, white, and blue. For control not use the lights. The population in this study is all flies in Lembang Agri. The samples in this study is all flies in the Packing House area of Lembang Agri. The research data were analyzed using the ANOVA test. The results of the study after being analyzed using the Anova test showed that there were differences in variations of turbular lights on the cube shape Flytrap Electrocutor against flies caught in Lembang Agri's Packing House with variations in the colors of blue turbular lights, yellow, and white. The average interest in the treatment of blue turbular lights was 29, yellow was 23, white was 11, and control was 2. Packing House Lembang Agri is still not sanitary so it can become a breeding ground for flies. It is necessary to improve sanitation conditions and sanitation facilities that does not meet the requirements at Packing House Lembang Agri.

**BIBLIOGRAPHY** : 34 (2007 - 2020)

**KEYWORDS** : Flies, Fly Trap Electrocutor, Color, Packing House

ABSTRAK

Leny Febriyani

**PERBEDAAN VARIASI LAMPU TURBULAR PADA FLY TRAP  
ELECTROCUTOR BERBENTUK KUBUS TERHADAP LALAT YANG  
TERTANGKAP DI PACKING HOUSE LEMBANG AGRRI**

ix + 92 Halaman + 13 Tabel + 5 Lampiran

Lalat berperan dalam kesehatan masyarakat, yaitu sebagai vektor penularan penyakit secara mekanis pada manusia. Gapoktan Lembang Agri merupakan organisasi yang bergerak dibidang pertanian sebagai penyedia kebutuhan pangan seperti sayuran dan buah-buahan. Proses produksi di *Packing House* Lembang Agri meliputi pemanenan, penerimaan, sortasi, pencucian, pengemasan, dan , penyimpanan sayuran dan buah-buahan. Beberapa proses tersebut dapat menjadi potensi timbulnya kepadatan lalat. Pengukuran kepadatan lalat di *Packing House* Lembang Agri memiliki hasil  $>2$  indeks populasi lalat sehingga termasuk kategori tinggi. Tujuan penelitian ini adalah untuk mengetahui variasi lampu turbular pada alat *Flytrap Electrocutor* terhadap ketertarikan lalat di *Packing House* Lembang Agri. Jenis penelitian ini adalah penelitian eksperimen dengan desain penelitian *Postest With Control*. Perlakuan yang diberikan adalah 3 (tiga) perlakuan yaitu variasi lampu turbular warna kuning, putih, dan biru. Untuk kontrol tidak menggunakan lampu. Populasi pada penelitian ini adalah semua lalat yang ada di Lembang Agri. Sampel pada penelitian ini adalah lalat yang berada di area *Packing House* Lembang Agri. Data penelitian dianalisis menggunakan Uji *Anova*. Hasil penelitian setelah dianalisis menggunakan Uji *Anova* menunjukkan bahwa terdapat perbedaan variasi lampu turbular pada *Flytrap Electrocutor* berbentuk kubus terhadap lalat yang tertangkap di *Packing House* Lembang Agri dengan variasi warna lampu turbular biru, kuning, dan putih. Rata-rata ketertarikan lalat pada perlakuan lampu turbular warna biru yaitu 29 ekor, warna kuning 23 ekor, putih 11 ekor, dan kontrol 2 ekor. *Packing House* Lembang Agri masih belum saniter sehingga dapat menjadi tempat perkembangbiakan lalat. Perlu dilakukan perbaikan kondisi sanitasi dan fasilitas sanitasi yang belum memenuhi persyaratan di *Packing House* Lembang Agri

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KATA KUNCI : Lalat, *Flytrap Electrocutor*, Warna, *Packing House*