The Activity Test of Whole Bacterium Suspension of *Bacillus thuringiensis* Subespies *israelensis* Serotype H-14 at Mosquito of *Culex fatigans pipiens* and of *Aedes aegypti*

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**ABSTRACT**

The aim of this research is to know the amount of death of adult mosquito at two different species that is *Culex pipiens fatigans* and *Aedes aegypti* which is sprayed by whole bacterium of *Bacillus thuringiensis* subespies *israelensis* serotype H-14 with different concentration.

Attempt animal at this research is 200 adult mosquito to each; every species devided into 4 group with same amount and each; every group packed into fairish glass box 25x25 cm. Each group are sprayed by 2 ml suspension of whole bacterium $10^7$, $10^8$, $10^9$ concentration which is added by aquades till 20 ml. Control group sprayed by aquades 20ml. Whole bacterium obtained from planted sheet at media of Luria Bertanny Agar (LBA) and to identify used biochemistry and sugar tests. Cropping of bacterium conducted by 72 hours after cultivation, then growed it up in Luria Bertanny Broth (LBB) medium. The death rate of mosquito counted 24 hours after treatment.

This research use Completely Randomized Design with 3 repetitions. Data result of research in the form of amount of death of mosquito which analysed by Analysis of Variance (Anova). And continued with Honestly Significant Difference (HSD) if result is different.

Result of research indicate that there are no difference death amount of mosquito which is sprayed by whole bacterium with different concentration $10^7$, $10^8$, $10^9$ and control of *Culex pipiens fatigans* and also *Aedes aegypti*

**Key Words**: Whole bactery, mosquitoes, *Bacillus thuringiensis subspecies israelensis* serotype H-14, *Aedes aegypti*, *Culex pipiens fatigans*