ACTIVITY TEST OF KRISAN FLOWER (*Chrysanthemum morifolium*) EXSTRACT ON STABLE FLY (*Stomoxys calcitrans*) MORTALITY BY *IN VITRO*

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ABSTRACT

This study aimed to know the effectiveness and determination LD_{50} of krisan flower (*Chrysanthemum morifolium*) extract on stable fly (*Stomoxys calcitrans*) mortality by *in vitro*. The experimental animals in this study were 120 adult of stable flies. This research design used Complete Randomized Design with six treatments. They were P0 as negative control used 10 ml aquadest, P1 (3,125% concentration of krisan flower extract), P2 (6,25% concentration of krisan flower extract), P3 (12,5% concentration of krisan flower extract), P4 (25% concentration of krisan flower extract) and P5 as positif control used 10 ml malathion. The data was analyzed by LD_{50} and *One Way* ANOVA (Analysis of Variance) test with significant value (p) =0.005 and p<0.5 from two variables. Then, the analysis was continued with *Post Hoc* Tukey test. The significant values were recorded from all of the tests. The result showed that the highest result was P4 treatment and the lowest result was P1 treatment. In this study, the mortality of stable flies were increase equal with the increasing of krisan flower (*Chrysanthemum morifolium*) extract concentration administration and the time of observation.

Key word : krisan flower extract, stable fly mortality, time of observation, extract concentration