KAFFIR LIME LEAVES \((Citrus hystrix \text{ DC})\) EXTRACTS AS BIOINSECTISIDE AGAINST LICE IN SERAMA CHICKEN BY IN VITRO

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ABSTRACT

Kaffir lime leaves \((Citrus hystrix \text{ DC})\) usually used for food industry by it strong and fresh smell. The 1.36% atsiri oil allegedly as bioinsectiside is enough to kill chicken lice. This research aimed to determine the influence of kaffir lime leaves extracts as bioinsectiside against chicken lice appearance. Two hundred lice were collected at four petri discs (each contains 50) and divided equally into one control P0(0%) and three treatments P1(10%), P2(20%), and P3(30%) of kaffir lime leaves extracts respectively. Data were tested by LC\text{50} count table and the result showed that the addition of 20% concentration killed 72% of lice sample while the LC\text{50} count degree shown 12.409% concentration of kaffir lime leaves extracts killed 50% sample population.

\textit{Key words}: Kaffir lime leaves extracts, atsiri oil, bioinsectiside, LC\text{50}, killed.