

**POTENSI EKSTRAK DAUN ANTING-ANTING (*Acalypha indica L.*)  
SEBAGAI ANTI-SKABIES TERHADAP *Sarcoptes scabiei var. cuniculi*  
SECARA *in vitro***

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**ABSTRACT**

The aim of research was to determine the potential of anting-anting (*Acalypha indica L.*) leaf extract as anti-scabies to *Sarcoptes scabiei var cuniculi* in vitro by observing the mortality rates and lethal concentration of *Sarcoptes scabiei*. There were 5 treatments namely DMSO 0.5% (PN), amitraz (P0), anting-anting (*Acalypha indica L.*) leaf extract concentration of 6,25% (P1), 12,5% (P2) and 25% (P3). Observations were carried out for 8 hours with stereomicroscope. The data was analyzed using Probit analysis with SPSS 20.0 software. The results showed that the fastest mortality rate of *S. scabiei* was group P3 at 4.6 mites/hour, then P0, P2, P1 and PN respectively 3.5, 3.1, 1.9 and 1.3 mites/ hour. The smallest concentration of anting-anting (*Acalypha indica L.*) leaf extract was not significantly different compared to amitraz for killing off 50% and 90% *S. scabiei* was 12.5% with lethal time (LT<sub>50</sub>) 1.82 hours and (LT<sub>90</sub>) 3.69 hours. In conclusion, anting-anting (*Acalypha indica L.*) leaf extract has mortality rate against *S. scabiei var. cuniculi* of 3.1 mites/hour, lethal concentration of 12.5% and potential as an anti-scabies in vitro.

**Keywords** : *Acalypha indica L.*, anti-scabies, *Sarcoptes scabiei*, *in vitro*