

**THE USE OF SOUR SOUP (*Annona muricata* L.) LEAF EXTRACT OINTMENT AS ACARICIDE *Sarcoptes scabiei* MITES ON RABBIT (*Oryctolagus cuniculus*)**

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**ABSTRACT**

The aim of this research was to determine the effect of sour soup leaf extract ointment as acaricide mite *Sarcoptes scabiei*. This study was using 25 rabbits invested mite *S. scabiei*. The rabbit divided into 5 groups ( K+, K-, P1,P2 and P3) each group using 5 . For rabbits group K- didn't received a treatment, group K+ received permethrin 5%, while group P1, P2 and P3 received 5 %,10 % and 15 % sour soup ointment (*Annona muricata* L.). Number of mite before and after treatment was counted. Statistical analysis showed that 5 %, 10 % and 15 % sour soup leaf extract ointment effective in reducing the number of scabies mites on day 0 and 8 after treatment and were significantly different from those number of mites before treatment ( $P<0,05$ ). Statistical analysis also showed that no significant difference between concentration 10 % and 15 % of sour soup leaf extract ointment.

**Key words:** *Scabies, Sarcoptes scabiei, rabbit, sour soup leaf,*