

ABSTRAK

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Judul : Uji Aktivitas Anthelmintik Infusa Daun Belimbing Manis (*Averrhoa carambola* L.) terhadap *Ascaridia galli*

Daun belimbing manis (*Averrhoa carambola* L.) memiliki kandungan senyawa metabolit berupa saponin, tanin dan alkaloid yang diketahui dapat memiliki aktivitas anthelmintik. Penelitian ini bertujuan untuk mengetahui pengaruh pemberian infusa daun *A. carambola* terhadap mortalitas cacing *Ascaridia galli*. Penelitian ini bersifat eksperimental dengan rancangan acak lengkap pola searah. Daun segar *A. carambola* diekstraksi dengan metode infundasi (1:3) pada suhu 90 °C selama 15 menit. Sebanyak 112 *A. galli* diambil dari saluran cerna ayam yang terindikasi. Sampel dikelompokkan menjadi kelompok kontrol positif, satu kelompok kontrol negatif, serta lima kelompok infusa daun *A. carambola* yang terdiri dari konsentrasi 10%, 20%, 40%, 60% dan 80%. Setiap kelompok perlakuan masing-masing dimasukkan empat ekor cacing *A. galli*. Pengamatan dilakukan setiap 15 menit selama 1770 menit untuk melihat jumlah kematian cacing *A.galli*. Infusa daun *A. carambola* memiliki nilai LC₅₀ dan LT₅₀ pada konsentrasi 61,196% dan 529,749 menit. Dari penelitian ini disimpulkan bahwa infusa daun *A. carambola* memiliki daya anthelmintik terhadap *Ascaridia galli*.

Kata Kunci :

Anthelmintik, *Ascaridia galli*, daun *Averrhoa carambola*

ABSTRACT

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Judul : Anthelmintic Activity of Leaves Infusion of Star Fruit (*Averrhoa carambola* L) against *Ascaridia galli*

Leaves of star fruit (*Averrhoa carambola* L.) contain metabolite compounds in the form of saponins, tanins and alkaloids which are known to have anthelmintic activity. This research aimed to determine the effect of *A. carambola* leaf infusion on the mortality of *Ascaridia galli*. This study was experimental research with completely randomized one direction design. Fresh *A. carambola* leaves extracted by infundation method (1:3) for 15 minutes at 90 °C. 112 *A. galli* was taken from the indicated digestive tract of chickens. The samples were grouped into one positive control group, one negative control group, and five *A. carambola* leaf infusion groups in 10%, 20%, 40%, 60% and 80% concentrations. Each treatment group included four *A. galli* worms. Observations was done every 15 minutes for 1770 minutes to see the number of *A.galli* worm deaths. LC_{50} of *A. carambola*'s leaves infusion was equal to 61,196% and LT_{50} of *A. carambola*'s leaves infusion was 529,749 minutes. From this result, it was concluded that *A. carambola*'s leaves infusion had anthelmintic activity against *Ascaridia galli*.

Key words :

Anthelmintic, *Ascaridia galli*, *Averrhoa carambola*'s leaves