

**EFFECT OF VARIOUS DOSES OF SUGAR APPLE SEED POWDER TO
CONTROL THE PEST *Carpophilus dimidiatus* ON STORED PEANUT
(*Arachis hypogaea* L.) SEEDS**

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ABSTRACT

Attacks by the warehouse pest *Carpophilus dimidiatus* are the cause of reduced peanut production, so warehouse pest control is necessary. One way that can be done is by using vegetable pesticides from sugar apple seeds. This research aims to determine the effect of various doses of sugar apple seed powder on the development and mortality of *C. dimidiatus*, to find out the dose that best affects *C. dimidiatus* pests and the effect of application of sugar apple seed powder on the quality of peanut seeds in storage. This research was carried out at the Plant Protection Laboratory of UPN "Veteran" Yogyakarta in February–May 2024. This research was carried out using the RAL arrangement repeated 3 times. Treatment doses of srikaya powder used include, 1.5 g/100 g, 3 g/100 g, 4.5 g/100 g, 6 g/100 g, 7.5 g/100 g, 9 g/100 g, and control (0 g/100 g). The data obtained were analyzed using analysis of variance (ANOVA) with $\alpha=5\%$. If there is a real effect on the treatment, Duncan's Multiple Range Test is carried out at a level of 5%. The results showed that 9 g/100 g of sugar apple seed powder could influence development and increase pest mortality better than the control treatment. Application of 9 g/100 g sugar apple seed powder was better in maintaining germination compared to the control.

Keywords: *Carpophilus dimidiatus*, sugar apple, peanuts.