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This research aims to determine the effect of vegetable pesticides originating from gadung tubers (*Dioscorea hispida* Dennst) on the population and intensity of armyworm (*Spodoptera frugiperda*) attacks on corn plants. Armyworm is one of the main pests that often attacks corn plants, causing significant damage to agricultural products. Gadung tuber botanical pesticide was chosen because of its known ability to control pests naturally without causing negative impacts on the environment. This research was carried out using an experimental method involving several doses of gadung tuber vegetable pesticide sprayed on corn plants infected with armyworms. The results of the study showed that the application of gadung tuber botanical pesticides could significantly reduce the armyworm population and reduce the intensity of attacks compared to controls without treatment. Based on statistical analysis, administering gadung tuber botanical pesticide at certain doses provides a more effective effect in reducing armyworm attacks, which can be an environmentally friendly alternative for controlling pests on corn plants. This research concludes that gadung tuber botanical pesticide has good potential as a natural control for armyworms, and can be used in sustainable agricultural systems.

Key words: botanical pesticides, gadung tubers, armyworms, *Spodoptera frugiperda*, corn plants, pest control.

