

ABSTRACT

Effectiveness Test Of Noni Fruit Extract (*Morinda citrifolia* L.) And Tobacco Leaves (*Nicotianae tobacum* L.) As Natural Molluscicides Against Mortality Of Pests Of Mas Conch (*Pomacea canaliculata* L.)

The golden snail (*Pomacea canaliculata* L.) is one of the main pests of rice fields because it eats rice plants planted by farmers, so that farmers can experience losses due to crop failure. The sustainable use of chemical pesticides will have a negative impact on the surrounding environment and even the users themselves. The use of botanical pesticides is an alternative to control pests that do not have a negative impact on the surrounding environment. This study aims to determine the effectiveness of noni fruit extract (*Morinda citrifolia* L.) and tobacco leaf (*Nicotiana tobacum* L.) as natural molluscicides against the mortality of the golden snail. The research was conducted in July-August 2021. The research method is experimental. The research design used RAK. The research was conducted with two treatments, namely the type of vegetable insecticide and the type of concentration. The results of this study showed that there was an effect of the use of noni fruit extract and tobacco leaves on the mortality rate of the golden snail pest, the mortality rate of the golden snail pest reached 52% - 66% at 24 hours after treatment, the most effective organic pesticide based on the 5% BNT test was fruit extract. Noni is 75% with an average of 8, and the most effective type of concentration is 75% concentration both noni fruit extract and tobacco leaf extract with mortality results (%) 66.67 and 54.17. Based on the LC50 value, it can be seen that noni fruit and tobacco leaf extract pesticides are effective in killing gold snail pests.

Keywords: *organic pesticides, noni fruit, tobacco leaves, golden snail, mortality*