Vegetable Pesticide Test From Various Seeds For Spodoptera Litura Pest Control On Sawi (Brassica Juncea L.) Towards Eco-Friendly Agriculture

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ABSTRACT

This study aims to determine the effectiveness of the vegetable pesticide solution, especially the seeds of koro benguk, legundi and mindi to mortality of pests Spodoptera Litura on mustard plants (Brassica juncea L.). This study used a Completely Randomized Design with three types of plant seeds as a vegetable pesticide. The treatments used were 6 kinds (negative) (P0), koro benguk (P1), legundi seeds (P2), mindi seeds (P3), blend of leundi seeds, mindi and koro benguk (P4) and synthetic pesticides as Positive control (P5) with 3 reps each. The parameters observed were pest mortality, the number of larvae that became pupa, and the level of damaged mustard greens. The results showed: 1.The treatment of spraying of vegetable pesticides with legundi seed extract, mindi seeds, mungbean seeds and mixed seed legundi, mindi and koro benguk with a concentration of 10 percent have not made a significant difference to mortality of Spodopthera litura larvae, nor does it significantly differ between pre- and post- after laying of the larvae. 2. The treatment of spraying of vegetable pesticides with legundi seed extract, mindi seeds, koro benguk seeds and mixed seed legundi, mindi and koro benguk with a concentration of 10 percent have not made a significant difference to *Spodopthera litura* larvae change into pupa, but the treatment of vegetable pesticide is able to shorten the phase larvae and life cycle of Spodopthera litura and 3. Treatment of spraying of vegetable pesticide with legundi seed extract, mindi seed, koro benguk seed and mixed seed legundi, mindi and koro benguk with concentration of 10 percent have not give significant difference to the level of damage of the mustard, but the pesticide vegetable is able to decrease the damage of the mustard with the highest damage resulted from the control of 50.7 percent.

Kata Kunci: *Pesticide, Brassica Juncea L, , Spodopthera litura*