

IDEA PARKERS

This is our idea parkers. The purpose of our team is helping the farmers and increasing productivity of rice from planthopper attack. Planthopper is one of insect which is destructive insect pest of rice on the world. It sucks the sap of the rice plant. Planthopper attack caused several damage for rice plant such as plant's loss of vigor, reduction in tiller number, increase in unfilled grains, and decrease of rice productivity. This caused decrease of rice productivity approximately 10-50%. To overcome this, insecticide are needed to control the planthopper attack. The use of insecticide have a negative effect on the environment and other living organisms, so bioinsecticide is needed. Therefore, to solve the problem created tools to reduce planthopper populations that attack rice plants. The tool is designed by utilizing light to attract the attention of planthopper and time sensors to spray the bioinsecticide from chrysanthemum flowers. Bioinsecticide is added to the tube and the tool will spray a collection planthopper automatically every 30 minutes.