

ABSTRACT

Many birds eating rice in paddy fields reduces crop yields and make Farmers can not do other work in addition to repel birds in the fields. Bird repellent tool used is the scarecrow and sounds that are controlled from somewhere like cottage . Farmers only need to see the birds coming into the rice then Farmers attractive means of control . Bird repellent used tool farmers will reduce their productivity in the field for another job .

Expanding world of technology can replace the work of a Farmer in ousting birds in the fields. Farmers who used to have to see the birds coming into the rice was replaced by a light sensor or LDR . Farmers who used to have to take the decision to expel the birds were replaced by a microcontroller ATmega8 . Farmers who used to use the hand to move people - scarecrow replaced by a DC motor . When birds enter the rice fields and the light sensor , the microcontroller gets input from the sensors and gives output to DC motor to move for 5 seconds .

Test results obtained from this tool can work in various conditions appropriate design specifications. The survey results prove this tool is very similar to the tools used in the fields Farmers usually but this tool only requires little human resources to repel birds from the rice fields.

Keywords : Motor DC , ATmega8 , LDR , and Scarecrow .