

***MAKING AUTOMATIC ENTRY DOOR FOR PEST
CONTROL USING MOTOR AND REMOTE
MODULE***

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ABSTRACT

One of the pests of swallows is owls, owls prey on swallows and chicks from swallows, so that swallows are traumatized and do not want to nest again in the swiftlet house that has been prepared, one solution is to make swallow doors, therefore in this study a tool has been made that aims to maintain the safety of the swallow's house from owls, in the manufacture of automatic entrances for swallowing pest control using motors and remote modules in outline consisting of several components, namely, Power Supply as a power source that converts electricity air conditioning Becomes DC 12v, electric motor as the driver of the swallow door, Wireless Motor Controller as the brain of the swallow door to give orders to the electric motor to open or close, Limit Switch as a circuit breaker when the swallow door is open or closed maximally, Sliding Door Railing as rails for sliding doors, Gear as a driving tool, a chain as a place for the gear to work, and a light to indicate the door is in the process of opening or closing. The working principle of this tool is, when the button A Remote pressed then the door will open and when the door hits Limit Switch the current will be cut off automatically, as well as for the process of closing the door..

Keywords: Swallow door, Limit Switch, Wireless Motor Controller, Power Supply, Owl, Remote, Sliding door railing