

ABSTRACT

SIMULATION OF HOME WINDOW AUTOMATION SYSTEMS BY NOTIFICATION OF MOTION AND VIBRATION SENSORS BASED ON MICROCONTROLLER WITH ANDROID

An automated system is usually created to help humans to do part of their manual work to be automatic. For example: turning on the house lights automatically, opening window curtains, and so on. But it turns out there are still activities in the house that are still often done manually such as opening the windows of the house in the morning and closing them at night. These activities are carried out repeatedly every day so that the room gets sunlight and air changes. This is certainly a troublesome thing for humans who have a lot of activities at home every day. Even when humans are in a state of negligence, open or closed windows are sometimes not monitored whether there are strangers trying to sneak into the house through the window or not. Therefore the solution is to implement an automation system design and window notification that is expected to add security to a home.

Keywords: Systems, Automation, Windows, Security.