

ABSTRACT

At this time the weather can not be predicted directly how the future conditions so that there are some jobs that are interrupted, one of which is the work of a housewife that is drying clothes. Because conditions like that make housewives experience confusion when trying to wash clothes and then drying. From these problems, then in this study created a tool to assist in drying clothes. The tools made are expected to do drying without human intervention, so the risk of washing clothes from housewives is not wet when it rains and not too long when it is dried. The clothesline tool will then be able to send the clothesline status to the user, where the clothesline tool has been applied based on IoT.

In In this research, automatic clothesline equipment uses the concept of automation and uses several components such as rain sensors, temperature sensors and solar panels, where solar panels function as power catchers of automatic clotheslines. The results of this study indicate that the tool can work inaccordance with its work which can be seen from the performance of the state of the sensor readings and can be controlled by the website with an accuracy value of 75%.

Keywords: *Automation, Solar Panel, IoT, Clothesline. ThingSpeak*