

## **ABSTRACT**

Indonesia is a country with a tropical climate. When the rainy season arrives, it is always difficult for people to dry their clothes because they are worried that they will get wet and rain. During the rainy season, the majority of people are worried about drying clothes, especially since no one is watching the clothesline when they are doing activities outside the home. The bad impact is that it will make clothes damp and will cause moles / fungus. This research was conducted with the aim of making clotheslines automatically which can be controlled via the internet and can send notifications directly to the Telegram application. This automatic clothesline prototype is a technological innovation that facilitates household activities where users can control their clothesline remotely. This study uses ESP32 CAM as the main controller of its design. This research was conducted by making a prototype of an automatic clothesline using a light sensor and a rain sensor as ESP32 CAM inputs, as well as a motor controller on the clothesline. The research was carried out by designing an ESP32 CAM-Based Automatic Clothesline Robot Prototype that would give a signal to cellphone users if the clothesline was exposed to rainwater. When the water sensor is exposed to rain, it will automatically send a signal to the ESP32 CAM and then the ESP32 CAM sends notifications to mobile users via the Telegram application. This tool will be the latest breakthrough in facilitating one of the problems of the Indonesian people.

Keywords: Automatic clothesline, ESP32 CAM, Water sensor