

ABSTRACT

In laundrying clothes, there are several problems that occur. One of them is when laundrying clothes, it suddenly rains. If you are not at home, the clothesline cannot be lifted. For this reason, in this final project, an automatic laundry mover system based on Arduino will be made. The created system can detect the occurrence of rain using a rain sensor module, detecting the occurrence of day and night using photoresistor, making the stepper motor move the clothesline so that the clothesline can move from a place that is not shaded to a shady place and vice versa. The system can also detect clothesline distance using Ultrasonic PING so that the clothesline can stop and move appropriately, detecting the level of drying clothesline using DHT11, separating clothes from clothesline using servo motors in accordance with the clothes dryness level, and can stop working when all clothes have been moved into basket.

Keywords: laundry, Arduino, rain, night