

ABSTRACT

Drying clothes is an activity that is carried out every day. Without drying, dirty clothes cannot be used repeatedly. On a busy schedule some people will forget to take clothes when the weather is cloudy and it will rain. One example that is widely implemented is robotic technology. But now, there are still many unresolved problems in drying clothes. One of them is when drying clothes, suddenly the rain falls. When you are at home, you can easily lift the clothesline into the house by itself.

Robot clothesline is a series of robots that can follow black lines that are already equipped with wheels and driven by a motorbike. Speed control depends on the rotation limit between the robot wheel and the line floor. The robot is designed to move automatically following a line that has been made.

To read the line, the robot is equipped with an optical sensor placed at the front front end of the robot. This robotic clothesline has a type and shape and has several driving and controlling systems as a regulator of diverse performance according to the creativity of its manufacture. In the design of this final project the clothesline of the robot will use clothesline as a relief material for the main tool made. The factor of making this robotic clothesline uses rain module sensors and light sensors as a means of assisting them so that the movement of the robot can move and stop according to the specified situation. And using sensor ping that helps the distance between the tent and the clothesline of the robot so that it doesn't collide and can stop according to where the tent is located.

Based on the results of testing this system can help household activities such as drying clothes without fear of having to rain because it has been equipped with an automatic water system inside

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