WARDROBE DRIER SYSTEM

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ABSTRACT

This paper presents the design and development of a weather station based on temperature and humidity surrounding. If any changing in the surrounding it will be detected by DHT 11 that are used as temperature and humidity sensor for this project. Those who live in flats and apartments are having problems of limited laundry room (suspension) for drying their clothes. Because of these problems, clothes drier are developed in the form of wardrobe and it automatically controls drying process of the clothes, and encompasses three important areas of easy, fast and effective.

We are making a project wardrobe drier system using Arduino. Based on our research most family especially both parents are worker they are having hard time due the clothes that are not dry because of the bad weather. Because of that, they did not have cloths to wear. So this machine could help the parents that have problem due to their cloth that cannot dry during rainy day.

In our design, we used Arduino Uno R3 as the controller that controlling dryer so that it can work automatically and can be determined according to the temperature that we want to used or depend on the temperature that we set up. Besides that, we used sensor DHT11 to detect temperature and humidity of the cloth and surrounding, the temperature setting as needed and upon reaching a certain humidity the power supply switches off automatically. There is the main component in our design circuit.

We need indoor dryer to help our clothes dry. This project is useful in solving problems related to drying without only depending on the weather and the sun's heat to dry the clothes. So, problems related to drying laundry can be solved. Drying wardrobe have been almost exclusively found in self-service laundry facilities. This will bring the great improvement in our daily life towards a new level more systematic and more productive device.

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