Abstract

Currently, the Earth started having erratic weather changes. One of the causes of weather change is global warming. Weather changes occur often changed drastically, for example the morning until noon the weather is very hot, but can suddenly turn into a heavy rain once in the afternoon. Man in her everyday has a wide range of activities, both activities that were conducted outside the home or inside the home.

With the uncertain weather conditions, of course will be slightly inhibits the activity of humans. One of the human activity is washing clothes, because clothing is a primary human need that is used to support the daily activities. The process of drying clothes depends on the weather that day, if the weather on that day is hot or hot, the clothes will be easier to dry. However, not everyone has activity just inside the house alone, so the clothes they are drying in can be wet back by a downpour.

In this final project has created a device-based IoT named "SMARCLO". This device is made to facilitate community in the process of drying the clothes. The workings of this tool is users can control the tool automatically through internet-connected smartphone as well as the tool can work automatically when the weather changes. With the Raindrop Sensor and LDR Sensor will detect if it is going to rain or not. As well as the DS18B20 Sensor will detech whether or not it is dy clothes. After the clothes are dry, then the data will be sent a notification to the smartphone.

Keywords: *Module Wifi, Sensors Raindrop, Sensors LDR, Sensors DS18B20, Clothes, Smartphone.*