

DESIGN OF MICROCONTROLLER BASED AUTOMATIC BATIK FABRIC DRYER WITH TEMPERATURE AND HUMIDITY CONTROLLER BASED ON FABRIC TYPE

AHMAD ZAKI YAMANI

*Electrical Engineering Study Program, Faculty of Science & Technology
University of Technology Yogyakarta
Jl. Ringroad Utara Jombor Sleman Yogyakarta
E-mail : zyamani98@gmail.com*

ABSTRACT

Human dependence on solar heat to dry cloth cannot be abandoned, because there are no tools and technology that can help humans get rid of dependence on solar heat. So far, the drying process of the batik industry still relies mostly on heat from the sun. In fact, to get good quality batik cloth drying takes a long time, and even then if the sun is shining brightly without rain. By making a design of "Design of an Automatic Batik Fabric Dryer with Temperature and Humidity Control Based on Microcontroller-Based Fabric Types" it is intended to be able to overcome the problems that are currently occurring. With this research, it is hoped that it will be able to help activities in the industry, especially batik so that it can help dry batik cloth according to the temperature of each type of batik cloth. The button system in this system can work as it should, and there are 2 selection options which are 30 degrees and 40 degrees and the maximum temperature manual system with blynk can work properly. Thus, the user can input the desired temperature.

Keywords: *Arduino, IoT, DHT22 Sensor, Pust Button*