

# ***PROTOTYPE OF AUTOMATICATION SYSTEM BASED ON INTERNET OF THINGS***

**ISDI INDIARTO**

*Informatics Study Program, Faculty of Science & Technology*

*University of Technology Yogyakarta*

*Jl. Ringroad Utara Jombor, Sleman, Yogyakarta*

*Email: [indisdi76@gmail.com](mailto:indisdi76@gmail.com)*

## ***ABSTRACT***

*Geographically, Indonesia is located on the equator, so it only has two climates, namely the dry season and the rainy season. When the dry season hits, it tends to get more sunlight, so it is profitable for laundry entrepreneurs. Unlike the rainy season, which can cause problems for laundry entrepreneurs because there is less sunlight so the clothesline will dry longer. These problems gave rise to the idea for researchers to make a prototype of an Internet of Things-based clothesline automation system by utilizing the Arduino Uno R3 microcontroller, a Light Dependent Resistor sensor to detect the presence of light, a water sensor to detect when there are water droplets, and a wifi module to send data to the website for control the clothesline. This prototype of the Internet of Things-based clothesline automation system can help laundry entrepreneurs to save energy because it is done by a microcontroller without having to worry about delays in lifting clotheslines when it rains.*

***Keywords:*** *Internet of Things, Automation System, Laundry.*