

## **ABSTRACT**

Clothing is one of the basic human needs. Clothing is useful to protect yourself from external influences that are not good for one's health as a tool to protect the skin from the sun and protect from cold air and tools to beautify and beautify themselves. the design of an application that can be used to detect outdoor temperatures that can determine the color of this outfit with suitable clothing color data used according to a certain temperature that is processed using the Fuzzy Logic method. The results of system research validation with the fuzzy algorithm with the Sugeno method obtained an accuracy of 86.67%.

**Keyword :** *Color of cloth, Temperature, Fuzzy Logic*