

ABSTRACT

Batik has been very well-known as one of Indonesia's typical textile products. Batik has a variety of motives. Batik motifs with this contribution occur because the country of Indonesia has a variety of tribes and cultures. Not only using existing batik motifs, now batik motifs already have a variety of unique motifs. Natural resources in Indonesia can be a reference for developing new batik motifs. One of them is using jellyfish as motif batik.

In this final project will be designed batik modeling based on *Chrysaora Colorata* type using the web-based Random Walk method. This random walk method has been widely used in the development of growing patterns as well. A random road will create a pattern that shapes the jellyfish pattern randomly with predetermined rules to get an agreed pattern.

In the results of functional testing it can be concluded that the program has been running well, when given input different values from the user, the display also displays a different display according to the value of the variable entered. Variables that can be substituted include background color, jellyfish color, Ciamis color motif batik, tentacle length, large jellyfish head, etc.

Keywords: Batik, *Chrysaora Colorata*, *Random Walk*, *Web*.