

ABSTRACT

One of Indonesia's cultural heritage is batik craft, art craft that has become one of Indonesia's identity. Batik that has become a cultural heritage we must preserve, one way to preserve it is to develop new batik motifs. Batik Indonesia has a lot of motifs, batik motifs can be inspired from various things such as objects, plants, animals, and others. In this study, the pattern that will be developed to become a batik motif is a pattern of coral reefs.

In this Final Project, designed a module for application development of web-based batik motif. The application uses the Random Walk method to make it easier to find or create new batik motifs. The purpose of this research is to make application of batik pattern development with pavona venosa web-based type of coral by using Random Walk method.

The result of this final project is creating a new batik design application with Pavona Venosa coral as the main motive. Some tests have been done so that it can be concluded that this final project has been completed as the authors expect. With the completion of this design, then has created a batik design application with Pavona Venosa coral motif as the main motive.

Keyword: Random Walk, WEB, Application, Web-Based, Batik, Coral