

ABSTRACT

Batik is a cultural heritage of the Indonesian nation that until now still can be enjoyed both into industrial needs as a provider of clothing materials and a high-value art craft. With uniqueness and varied types of batik motifs add to the beauty and artistic value of a batik cloth. Batik cloth motif that tends to be classic instead combined with a plain colored motif. For small-patterned batik can be combined with other patterned materials such as polkadot or lines. Brave blend of two different motifs is a characteristic style of teenagers who dare to experiment.

As with the era that is now growing, batik motif itself changed a lot. Of course the utilization of various patterns of the form encountered can add to the uniqueness of the batik. As one example utilizing biodiversity in Indonesia such as marine biota, especially on coral reefs. With the many types of coral reefs can certainly add variety, uniqueness and variety of batik motifs.

In this final project, *Leptoseris Papyracea* coral pattern has been developed into batik motif which is assisted by L-System modeling method. And the result of the development of batik motif has been implemented into a picture format. Jpg (JPEG) in a web browser.

Keywords: Batik, coral, web, L-System, *Leptoseris Papyracea*, web browser, JPEG.