

ABSTRACT

Batik is Indonesia's original heritage, not only ordinary arts but batik is ingrained for the people of Indonesia, even in various regions there are distinctive motives belonging to each region, the motive is made not solely without meaning, even from these motifs contain meaning, such as batik motif sekarn jagad that berkaknakan world diversity. Motives have evolved over time. Motifs can be developed from various objects, for example corals. The diversity of marine biota like corals is an endless wealth, because Indonesia has 1/8 of the World's reefs.

Therefore the authors want to take advantage of the diversity of marine biota that is a new batik motifs, and the type of coral that is used is *Anacropora Fobresi*, which is easily found in the eastern part of Indonesia.

Development of batik motif will use the application by utilizing L-System algorithm which is often used to get topology from a plant. Applications to be made that is web-based, so that others, especially batik crafters can use it anytime.

Keywords: Batik, Reef, *Anacropora Fobresi*, L-System, System L