

## ABSTRACT

*Indonesia has a variety of cultural riches, one of them is batik. We are obliged to preserve one of the historical heritage of Indonesia. One effort to preserve batik itself is by exploring new patterns to be used as patterns on batik. Batik patterns are very diverse, ranging from objects, animals and even plants that many are used as patterns on batik. For this research, the pattern that will be used for batik is the pattern that comes from animals by using a web-based application.*

*There are various types of animals in the world. Each type has its own characteristics and uniqueness. From the uniqueness of these animals, especially their shape, this can be used as a new pattern that can be used to develop batik. One type of animal that will be used for the development of batik pattern at this time is the animal with its Latin name *Ocypode pallidula*.*

*In this study the authors conducted a batik design using a pattern from an animal with the Latin name *Ocypode pallidula* by using a web-based application. The development of this batik design still needs to be developed further. In addition, we can also combine traditional handicrafts with modern calculations, which can create new creative arts.*

**Keyword:** *Batik, *Ocypode pallidula*, Random walk, Web application*