

## **ABSTRACT**

### **APPLICATION OF MICROALGAE NATURAL DYES IN TUKEL YARNS AND TUBAN GEDOG WOVEN CLOTH**

By

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*Although the use of natural dyes began to shift, its existence is still maintained and examined by variables. Like the pigment Microalgae in textiles studied by Blond & Bieber. This dye has several advantages, such as land efficiency and time. The application of microalgae natural dyes can be applied to Indonesia fabrics due to its culture which still utilizes raw materials from nature. One of the fabric is gedog Tuban weave , this fabric has potential such as the function of its use which can be developed beside being a cloth wrapped around and the presence of raw materials for which can still be developed as variations in design, namely tukel yarn. So, with this research, it is expected to know the application of microalgae as natural dyes and the visual variation of woven gedog Tuban.*

*Keywords : natural dyes, microalgae, tukel yarns, woven gedog Tuban*