

ABSTRACT

APPLICATION OF MICROALGAE AS NATURAL DYES ON TEXTILE PRODUCTS USING SCREEN PRINTING TECHNIQUES

By

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Lifting up previous research made by Balqis (2018), a Telkom University student on the Application of Microalgae Natural Dyes on Tukul Yarns and Gedog Tuban Weaving. Based on dyes which are divided into two, namely natural dyes and synthetic dyes, this research optimizes previous studies of the techniques used, the resulting color pigments and their application to fashion products using microalgae as natural dyes. The last technique used in this research are the screen printing technique using microalgae of arthrospira plantesis type which previously had various benefits in various fields such as sources of nutrition, food and rapid growth. Keywords: Natural Dyes, Microalgae Arthrospira Plantesis, Surface, Textile.

This research method is quantitative and qualitative by searching literature studies as data from this research, experimenting with conducting various kinds of experiments to get the expected results in optimizing microalgae and observing several places that are continuous with this research.

Keyword : Natural Dyes, Microalga Arthrospira Plantesis, Surface, Textile.