

ABSTRACT

PROCESSING PURPLE SWEET POTATO AS NATURAL DYE TEXTILE USING SHIBORI TECHNIQUES ON FASHION PRODUCTS

By

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Indonesia has abundant natural resources that can be utilized as a source of natural dyes, one of which is purple sweet potato. Purple sweet potato contains natural color pigment, namely purple caused by anthocyanin. As a textile dye, purple sweet potato is still less popular to be used and developed as a natural coloring. Purple sweet potato can be optimized for its use as a source of natural dyes if using the help of mordant and fixation is appropriate.

This study aims to produce natural dyes from purple sweet potato extracted by applying shibori techniques to produce diverse colors and motifs. Then, the mordanting process and the fixation stage will also be carried out to produce a different color on the organic fabric from the purple sweet potato extraction. Activities in this research focus on experimental methods based on data collection in the form of observations, interviews, and literature studies to obtain data on extraction, the use of mordants as well as proper fixation, the application of shibori techniques and their application to fashion products.

The end result of processing purple sweet potato to extracting natural dyes produces purple, gray, and also slightly greenish color variants. The extraction results are carried out using the cold dipping method applied to the Shibori technique which is applied to fashion products.

Keywords: Purple Sweet Potatoes, Natural Dyes, Shibori, Fashion Products.