

ABSTRACT

THE UTILIZATION OF COFFEE PEEL ARABICA AS A DYE OF NATURE AT TEXTILE

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Currently, the coffee industry in Indonesia is highly developed, but on the other hand, this plant produces waste ranging from 50-60%. Therefore, this research aims to optimize the potential of coffee skin so that it can be processed as natural dyes and to find the right formula to be applied in textile field. The method used in this research is experimental by doing literature studies, observation, and interview. The experimentation process starts with extracting the Arabika coffee skin, then dyeing the cotton fabric, hemp, cotton hemp, cotton thread, hemp thread, and hemp fiber. To optimize the dyeing result, several mordants are used, such as ferrous sulfate, alum, detergent, and vinegar. The experiment results in this research shows that the strongest color was obtained from cotton fabric, hemp fabric, cotton thread, and hemp fiber with ferrous sulfate as mordant. Therefore, the Arabika coffee skin waste can be used as natural dyes for textile products.

Keywords: Coffee Peel Waste Arabica, Natural Dyes, Textile Products.