

ABSTRACT

UTILIZATION OF TEAK LEAVES (*Tectona grandis*) AS NATURAL TEXTILE DYE BY APPLING STENCIL TECHNIQUE USING MORDAN

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*Natural dyes for textiles derived from plants, such as teak leaves (*Tectona grandis*), have great potential in producing appealing colors on fabric. Teak leaves contain anthocyanins and tannins, which can produce red, purple, brown, and deep red hues, making them an effective source of natural textile dyes. Previous studies have shown that teak leaves have been used in ecoprint techniques. However, the utilization of teak leaves in combination with stencil techniques using mordants to create patterns with color variations has not been widely explored. The mordanting process functions to enhance the absorption of natural dyes on fabric and can result in color changes depending on the type of mordant used. This study aims to develop a stencil technique using mordants with teak leaves to produce new color variations on fabric. The research method applied is qualitative experimentation, which includes literature review, observation, interviews, and experimental practice. The results of this study are expected to contribute to the development of natural dyeing techniques in textiles with varied and colorful patterns.*

*Keywords: Natural Textile Dye, Teak Leaves (*Tectona grandis*), Mordant, Stencil Technique.*