

ABSTRACT

APPLICATION OF INDIGO NATURAL DYES USING TEXTILE DYING AND BLOCK PRINTING TECHNIQUES USING AN ALTERNATIVE MEDIA OF BANANA STEM ON TEXTILES

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*The increasing awareness of the fashion sub-sector towards natural dyes has driven the demand for indigo dye from *Indigofera tinctoria*. The application of indigo dye is generally limited to textile dyeing techniques, while the potential of banana stem as an alternative medium for block printing has not been optimized despite its current abundant availability. This research aims to develop innovative applications of natural indigo dye through a combination of dyeing and block printing techniques using banana stem as an alternative medium. The research was conducted through literature study, interviews, observation, and exploration. The results show that indigo solution with 200% concentration (6 grams indigo powder, 10 grams soda ash, 10 grams hydrosulfite, 100 ml hot water) becomes the optimal formula for block printing with clear motif definition. Exploration of banana stem produces unique characteristics with distinctive nodes and cavities of the stem structure, where longitudinal cuts generate geometric shapes, while transverse cuts produce organic forms. The combination of both techniques successfully creates various motifs that form expressive and unique visual compositions. The research concludes that natural indigo dye is effectively utilized in two application techniques with optimal results. The research benefits include optimizing the potential of banana stem as an alternative medium for block printing and strengthening the visual concept based on natural resources with distinctive aesthetic value.*

*Keywords: Banana stem, block printing, *Indigofera tinctoria*, and textile dyeing.*