

**ABSTRACT**  
**APPLICATION OF GAMA INDIGO NATURAL DYE USING**  
**PAINTING TECHNIQUE ON TEXTILE PRODUCT**

By

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*Gama Indigo ND is an instant natural dye brand in a form of liquid and powder that had been researched and developed by a professor of Gadjah Mada University. This natural dye offers time and energy efficiency in the extracting process, especially for the Indigofera plants that need days for extracting. In this study, the writer sees the potential to develop the application of Gama Indigo ND using painting techniques because the Gama Indigo brand used the batik and shibori techniques to apply the natural dyes to textile materials. In the making of the paint, the writer use alginate powders that play an important role to create the correct consistency formula in order to apply the paint correctly to the textile material. This research intend to develop the application of Gama Indigo ND using painting techniques by using alginate powder as a densifier to apply it to the textile material. This experiment results in the final color is determined by the application process. The application of the formula has to be pressed to the textile material in order to make the paint absorbed into the back of the material.*

*Keywords : Natural dye, Gama Indigo ND, painting , textile product.*