

ABSTRACT

THE USE OF TURMERIC AS TEXTILE PAINT AND ITS APPLICATION TO FASHION PRODUCT

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Before the invention of synthetic dyes, Indonesian people have processed and utilized various kinds of plants into textile dyes. Natural dyes have many advantages, but its color fastness performance ratings are sometimes inadequate for modern textile usage due to its tendency to fade even when applied in conjunction with a mordant. Indonesia has abundant natural resources, particularly resources that has potential as natural dyes. Two of those said resources are turmeric and brown algae in the form of sodium alginate. Turmeric's tuber contains curcuminoid which could produce yellow dyes, whereas alginate could be used as thickener for textile paint. According to the survey data from Badan Ekonomi Kreatif (Bekraf) and Badan Pusat Statistik (BPS), fashion sector is the second largest contributor for Gross Domestic Product (GDP) in Indonesia. Moreover, recently the market for fashion products with natural dyes is very high. The purpose of this research is to produce natural textile paint with turmeric as main ingredient and alginate as thickener which will be applied to fashion products in the form of women's outerwear using painting technique. To obtain the required data, researcher collects those data with experimental methods, that is observation, literature study, and interview. The results from experimentation process shows that the color produced from fresh turmeric powder is visually stronger if dissolved with sodium alginate solution and treated through post-mordanting process after the colors dried up. Researcher hopes that this research will benefit students or other researchers who wants to study more about natural dyes or home industry entrepreneurs who work in textile industry.

Keywords: *Turmeric, sodium alginate, textile paint, fashion product.*