

ABSTRACT

APPLICATION OF MORDANT PASTE IN THE DYEING PROCESS USING NATURAL DYEING SUBSTANCE FROM DRY MANGOSTEEN PEEL (GARCINIA MANGOSTANA L.) TO PRODUCE TECHNICAL MOTIFS

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This study discusses the use of mordant paste in fabric dyeing with natural dye extracted from dried mangosteen peel (Garcinia mangostana L.) using the stamping technique. The mordant paste was formulated from ferrous sulfate (tunjung), soda ash, quicklime, and alum, with guar gum as a thickener. Experiments were conducted on crinkle linen fabric using three mordanting methods: pre-mordanting, post-mordanting, and simultaneous mordanting. The results showed that tunjung and soda ash mordant pastes produced the darkest and most wash-resistant colors, particularly with the post-mordanting method. This technique supports selective, aesthetic, and sustainable dyeing.

Keywords: *natural dye, mangosteen peel, mordant paste, stamping technique, mordant.*