

ABSTRACT

APPLICATION OF NATURAL COLORING FROM ONION SKINS USING MORDANT PASTE AS A MOTIF PRODUCER WITH THE STENCIL TECHNIQUE

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Onion (Allium cepa) is an important vegetable commodity widely used as a cooking ingredient and industrial raw material, resulting in significant waste in the form of onion peels. These peels contain quercetin, a compound with potential as a natural textile dye. Previous studies have shown that onion peel extract can produce color gradations ranging from light orange to brownish-orange on cotton fabrics using various mordanting methods. Mordants, which serve as dye fixatives, can be formulated into mordant pastes by combining them with thickeners. These pastes not only enhance color intensity and fastness but also open up opportunities for motif creation on textiles. This study explores the development of a mordant paste applied using stencil techniques, combined with natural dyeing using onion peel extract. The aim is to create color changes and visible patterns on fabric through the chemical interaction between the mordant paste and natural dye, expanding the potential use of onion peel waste in eco-friendly textile design.

Keywords: *Natural color, onion, mordan, layocell euca sateen solid*