

Utilization of natural printing paste for textile application

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■ **ABSTRACT** : An investigation was carried out to find out the printing effect of turmeric (*Curcuma longa* L.) dye paste on geometrical properties of eri silk fabric. For the experiment, plain weave eri silk fabrics, with different mordants (alum, stannous chloride and ferrous sulphate) were selected. The two traditional designs and screen-printing technique were selected for printing the fabric. The printed samples were evaluated for its geometrical properties. In regard to geometrical properties, all the samples have more or less changes in fabric count, weight and thickness. In respect of the high brilliancy of colour, clarity of design and sharpness of design outline samples mordanted with ferrous sulphate showed the better result in both the designs.

■ **KEY WORDS**: Eco-friendly, Eri silk, Geometrical properties, Mordant, Printing, Turmeric dye

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