

Title	Dyeing of Cotton Knit Fabric by Coloring Matter Made From Bovine Dung
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Abstract

The objective of the project to study the dyeing of knitted fabric by cow dung is to study the dyeing method of cotton fabric by cow dung and also to study the dyeing result by using mordant process prior to color dyeing by the use of alum ($KAl(SO_4)_2$), copper sulfate ($CuSO_4$), Ferrous Sulfate ($FeSO_4$) and Cationizing agent (Starcat PD) at 10% o.w.f. of concentration of mordant and the comparison of cow dung solution at the concentration of 50% and 100% by dyeing at 60 C for 45 minutes and rinsing by clean water and natural drying then checking the strength (K/S) of the dyed fabric and found that fabric treated by mordant prior to dyeing by cow dung solution has shown better dyeing result against fabric dyed only by cow dung solution.

The test of color fastness to rubbing is found that fabric treated with mordant has shown fastness to rubbing at 3-4 and fastness to washing at moderate level of 3-4 upto level of 4-5 with little bleeding.

Keywords Bovine dung, Dyeing of Cotton Knit with natural dyes, Dyeing of mordant