

## SUBJECTIVE EVALUATION OF OAK TASAR SILK WASTE BLENDED KNITTED FABRICS.

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### **ABSTRACT**

*Effect of blending oak tasar silk waste with viscose fibre on performance of resultant yarn and fabric has been studied. Oak tasar silk waste has been blended with viscose in three different ratios, viz. 60:40, 50:50 and 40:60 on worsted spinning system. All the proportions were spun into 15 and 20 metric counts (Nm). On the basis of yarn evenness, yarn strength and yarn moisture regain, four optimum blended yarns were selected for the development of fabrics. Single jersey knitted fabric samples were then prepared using circular knitting system. Blended fabrics were analyzed for hand value by subjective evaluation done by panel of judges. Fabric samples were evaluated for various parameters like texture, lustre, tactile sensation and aesthetic appearance, by panel of 30 judges. It was observed that, most of the judges preferred fabric sample having 40% oak tasar silk waste : 60% viscose fibre for end use application. It was observed that, 80 per cent judges preferred fabric Sample 3 with excellent smoothness rating, 53.3 per cent judges preferred fabric Sample 4 for softness with excellent rating, 66.7 per cent judges preferred fabric Sample 3 in case of uniformity with excellent uniformity rating.*

**KEY WORDS:** *Blending, Oak Tasar Silk Waste, Yarn, Knitted Fabric & Hand Value*

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