

“DEVELOPMENT OF FRAGRANCE FINISHED KIDS KNICKERS WITH BAMBOO/COTTON BLENDED KNITTED FABRIC”

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ABSTRACT

The present study focus on the development of kids knickers with bamboo/cotton blended knitted fabric. Fragrance was given to the fabric by using *Lavandula spica* L. essential oil by applying microencapsulation technique and pad dry-cure method. Various parameters of the fabric like elongation & tenacity, abrasion, and bursting strength were evaluated. Moreover the fabric quality was tested for washing property up to 20 washes and the quality of the fabric was also assessed. Results revealed that the blending property of Bamboo/cotton was good when compared to any other fibres. Further as an application part knitted fabric was also designed for kids, which showed a good compatibility and dermally safe product. This study pays a way for the usage of eco-friendly and dermatologically safe knitted fabrics from Bamboo/Cotton.

KEYWORDS: Bamboo/Cotton, *Lavandula Spica* L., Microencapsulation, Knitted Fabric