ABSTRACT

Synthetic fibres are non-biodegradable and through blending of natural fibre, they can be made biodegradable to some extent. The study world proves to be helpful in establishing eco-friendly process in textile world. The plain woven union fabrics have been prepared from three different ratios of blend jute/viscose polyester with cotton. Jute/viscose polyester used 30/70, 50/50, 70/30 ratio in the filling direction and 100% cotton was used in warp direction. Their utility and mechanical properties studied. It was observed that 30/70 jute/viscose polyester union fabric was better. The quaternary blend reduced the cost of the product and it was also used in apparel and furnishing.

Key words: Union fabric, Blending, Weaving properties, Apparel uses