ABSTRACT

The development of industry world especially in technology resulted the increasing of electronic waste especially cable waste. Generally, in the waste treatment process the cable waste reprocessed into electronic components. However, in this research the copper wire of cable waste processed into fashion products such as clothes and accessories by using structure technique and surface design. It is expected to give the alternative design in fashion industry and also to increase the aesthetic value of cable wastes. Moreover, the final results which are clothes and accessories are expected to have the potential for high sale value.

Keywords: waste, copper wire, fashion.

ABSTRACT

The abundance of yarn wastes in Binong Jati knitting industry area and also the waste treatment which is not optimal yet pushing the need for design innovation in order to increase aesthetic value of the yarn wastes. This research applied 3R concept (Reuse, Recycle, and Redesign) by using weaving technique. It is expected that the final result has the potential for high sale value. The research method used in this research is qualitative which is emphasizing in comprehension of an issue.

The final result in this research is a textile fabric sheets which be woven by using ATBM (non machine looms) with woof modification in the plain weave structure. The yarn wastes used in the part of woof which modified by using several techniques. The woven fabric sheets functionalized more like as interior elements which is wall hanging.

Keywords: waste, yarn, woven, reuse.