ABSTRACT

MATERIALS COMBINATION OF LDPE PLASTIC AND PET PLASTIC USING HOT TEXTILE TECHNIQUE AS EMBELLISHMENT ON FASHION PRODUCTS

by

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PET and LDPE plastics are types of plastic that are included in the thermoplast plastic group and have the potential to be reprocessed into a new form. This type of plastic is very often found in human daily life. The material limitation used in this research is PET and LDPE plastic waste. PET plastic, which is often used as a drink bottle, has clear and transparent characteristics. Meanwhile, LDPE plastic is known as a plastic that has a petroleum base material. The characteristics of this plastic are strong, translucent, and has a high level of flexibility. Both of these materials can be processed into a new form with various techniques. One of them is heating technique (hot textile). The final achievement of the research is to make these two materials as embellishments on fashion products. The next goal is to increase the functional value of these two materials in the hope of providing an alternative for processing new forms of plastic recycling. The research method used is a qualitative method. Data collection is done by means of literature studies, interviews, observation, and exploration.

Keywords: PET plastic, LDPE plastic, hot textile, embellishment, fashion product