

ABSTRACT

The development of laptop technology has influenced many aspects of daily life, especially in internet usage. However, the emphasis on environmentally friendly product design is increasing. The use of textile waste and the upcycle concept in design has become a major focus. This research designs a laptop backpack that utilizes textile waste with the upcycle principle. The research method applied in this study is a qualitative method involving observation, interviews, questionnaires, and document analysis. In the design method, the approach used is the UCD method, which includes a substitution strategy by utilizing textile waste as the main material, design adaptation to meet laptop needs, and feature modification to improve functionality and user experience. Additionally, the patchwork technique is used to combine pieces of textile waste scraps, creating a unique appearance on the backpack.

Keywords: Textile waste, laptop backpack, Upcycle