

ABSTRACT

Waste is a form of consequence of human activities and its volume can be directly p Upcycling products are products that can be collected, processed, and produced into new products after use. Beverage bottle caps are one of the wastes that are less noticed in society. Plastic bottle caps have strong and durable materials, so they can be used as furniture products with good quality. Types of plastic bottle caps that have a variety of colors can be created into products with higher visual aesthetic value. After conducting a case study at Almalia School Kindergarten (TK), the author found problems in the object being studied, namely the need for furniture products that can support learning activities with portable design features so that they can be moved as needed. The author designed a portable bookshelf furniture product made from plastic bottle cap waste material with the aim of being a solution to existing problems.

Keywords: Plastic Bottle Cap Waste, Furniture, Upcycling Techniques