

ABSTRACT

Mobilization activities for waste disposal from community areas to Temporary Disposal Sites (TPS) require vehicles that are resistant to corrosion. The trash bins carried by these three-wheeled motorcycles require innovation and new designs. This study uses a qualitative approach and User-Centered Design (UCD) design method to determine user needs. Based on the data obtained, the trash bins on these three-wheeled motorcycles require material resistance that is not easily corroded, sorting of organic, inorganic and B3 waste to make it easier for cleaning staff to carry out the waste sustainability process at the TPS, and adding side door and top door features as a path for waste to enter and exit.

Keywords: *Trash Bin, Three-Wheeled Motorcycle, Mobility*