

## **ABSTRACT**

*The tool for processing plastic beverage packaging waste is a tool used by cleaning service to reprocess discarded junk waste. The junk bottles that are thrown away will accumulate and add to the garbage in the final disposal site. In the stands of the University Pendidikan Indonesia stadium there are still bottles of garbage and plastic waste scattered in the area of the stands due to the lack of awareness of visitors to dispose of garbage in its place. The garbage collected in a day can fulfill a large garbage can. The idea of the product to be designed is to reduce the amount of waste by processing plastic bottle waste into ribbon straps made of discarded bottles and can be used as handicrafts. The data collection at the Universitas Pendidikan Indonesia (UPI) stadium, that the facilities there are still not enough because there is still a lack of supportive place for processing waste bottles. However, in the design of plastic beverage processing equipment, packaging data is reviewed based on material aspects. The selection is done by selecting each material to be selected such as unused material or easily found on the roadside. Material that has the possibility of being chosen like wood, and stainless steel. In the process of designing packaging beverage plastic processing equipment products, the placement of packaging beverage plastic processing equipment products is in the cleaning room with the intention to be immediately cleaned by janitors at the UPI stadium.*

**Key word:** *Plastic packaging beverage processing aids, bottle trash is processed into plastic tape rolls.*