

ABSTRACT

UPI is one of the campuses that has football stadium facilities. Visitors who come to watch football in the stadium are allowed to bring food and drinks from outside the stadium. The visitors most often have drinks in plastic packaging, so there are a large number of plastic beverage packaging waste found at UPI stadiums. The background problem is the management of processing waste in stadium haven't done optimally. The purpose of this design is to design a tool that can help processing plastic beverage packaging waste collected at the UPI stadium by considering ergonomic aspects. The design method used is the competitor product analysis method, while the data collection methods used are observation, interviews, and literature reviews. The results of this design is plastic beverage packaging waste processing tools. The conclusion of this design is that plastic beverage packaging waste processing tools need to consider the ergonomic aspects to optimize the work system and work productivity.

Key word : Waste processing, plastic waste, ergonomoy.