

STUDY OF WASTE GENERATION AND POTENTIAL OF WASTE RECYCLING USED IN "MODEL KIT" TOYS IN YOGYAKARTA

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ABSTRACT

Domestic waste, especially plastic waste from the model kit assembly has the potential to cause problems in the space load at a location. The remaining results of the activity are called used runners or residual runners. To overcome problems like this, a research was conducted on the residual runner waste by finding the value and the average waste generation at a sampling location. This study aims to determine the amount of generation that appears every day from the production of kit models in several places in Yogyakarta by sampling method. The resulting generation of a product is residual runner that can be reused and recycled into FurNer which has functional and economic value. This study examined 12 sampling consisting of 8 sampling categories of housing waste producers and 4 non-residential sampling. After doing the sampling test twice, with a difference of 5 to 8 days, the average data was 0.077 kg / day. The results of the calculation of the number of FurNer products that can be produced 3 FurNer / day products that can be processed from the remaining runners.

Keywords: model kit, recycling, waste generation