

ABSTRACT

The writing of this thesis was motivated by author's concern about the increasing and uncontrollable of the plastic waste buildup so that it may not be able to accomodated anymore. There are many ways to recycle, but the availability and management of plastic waste recycling is still limited. This thesis wrting aims to reduce the waste buildup and create awareness towards plastic. In this thesis, the author will explain the potentials of recycling plastic waste into something useful, which in this case a wardrobe made from recycled plastic. The method used in this thesis refers to a qualitative method where the selected waste is HDPE. This thesis used questionnaires and literature studies for the data collection. 5W1H, SWOT, and ToR techniques used as data analysis. In the design, the aspects of function, material, and appearance are used for the parameters of the design. The result of this thesis is a prototype of HDPE wardrobe with HPL wood material.

Keyword: waste, plastic, recycle, wardrobe