

ABSTRACT

The existence of plastic waste has become a classic problem and until now has not found the right solution. However, in the hands of businessmen and care movement garbage, plastic waste can be used as a farm business for those who want to manage plastic waste, ranging from sorting to delivery to the appropriate parties. From the management, they can produce the coffers of rupiah. However, many of them do not know to whom they should sell the plastic garbage, because information about the buyers of plastic waste is lacking. In this paper, we will build a web-based application that can help users to be able to distribute plastic garbage to those in need. This web application applies the concept of crowdsourcing, where all users can follow the project opened by the purchaser of plastic waste, so that the amount of plastic waste that has been determined is fulfilled. This application design using iterative incremental method using CodeIgniter framework. Results from this study are crowdsourcing web-based application with features that can help users to manage the sale of plastic garbage and manage money from the sale of plastic waste.

Keywords: *e-commerce, plastic waste, iterative incremental, crowdsourcing*