

ABSTRACT

Garbage is one of the problems that is very complicated for all countries, one of which is Indonesia. In Indonesia, there are still many people who lack awareness of managing garbage. The most popular type of garbage in Indonesia is food worth the consumption that is wasted. From 2016 to 2018 Indonesia ranked 60 from 67 of the most food waste producing countries with a score of 47.3/100, where every person in Indonesia can dispose of food as much as 300 kg per year. The factors that result in the problem are the lack of information on the distribution of excess food to the needy people. This research aims to facilitate the public in donating excess food. The Beebagi Website will be developed using the Agile Extreme Programming methodology using the Laravel Framework, as well as testing using black-box testing, UAT testing, and Stress testing, to ensure that the website application is ready to run by the defined business process flows. In the process of making the Website application is conducted based on the identification of problems that exist in the community, from the results of the survey was obtained from 49 respondents that 95.9% expressed consent to the creation of applications that can fetch and deliver the food that wants to be shared to the needy. The results gained from this research are the design of a business model using the Lean Canvas business model as well as conducting market potential analysis and competitor analysis to prepare for product development. And also goes through all the features that will help to manage the distribution of donations to communities in need.

Keywords: Website, Laravel Framework, Extreme Programming