ABSTRACT

Each year the amount of waste continues to increase as the use of materials such as plastic, paper, cardboard, tires, etc. in public life. For some people, this is something that is not useful. Yayasan Sahabat Kertas engaged in waste collection had the idea to reproduce the waste into recycled goods that have value and benefits. The foundation also has a shortage of funds for its operations. With the production of goods that are recycled from waste, Yayasan Sahabat Kertas can sell their work to finance operating activities. Constraints faced is no media in sales. To overcome these obstacles, the authors developed a sales system that can be used Yayasan Sahabat Kertas to sell recycled goods. Yayasan Sahabat Kertas no longer need to create a shop to sell their products. Information on the product can also be more quickly updated with the sales system.

In this thesis, the methodology in developing software using iterative incremental. The application will do some stage to be a system that can be used by Yayasan Sahabat Kertas. Sales system built on sahabatkertas.com website can be used for buyers to order produk at Yayasan Sahabat Kertas. System development begins with the identification phase to determine the constraints faced by the foundation in selling their products by conducting interviews and collecting data. The next stage is the stage of system development undertaken to design up to implement the system. Phase conclusions made suggestions to get the conclusions drawn in the development of the system as well as suggestions for the future development of the system.

In order for the development of the system can generate the appropriate output then held a test. There are two tests of this thesis is unit testing and user acceptance testing. The results obtained in the test was satisfactory that 92% is accepted, 8% are acceptable but with notes, and 0% rejected.

The expected result is the development of the website can help Yayasan Sahabat sahabatkertas.com Paper to sell recycled products produced.

Keywords : *Online Sales*, *Extreme Programming*, *E-commerce*