ABSTRACT

At this time the existence of technology is required for many people. Because of technology, work can be completed more easily and quickly. One of technology that is currently experiencing growth, that is the online media or website. Various types of web application has been progressing rapidly, because people want easy and can support the storage and better data processing. Looking at this case I took the initiative to implement a web application that can assist the collection of goods in the FEK Laboratory in Institut Teknologi Telkom, that still manual by using a piece of paper. Disadvantages of this manual system, namely: the possibility of data loss is very large, difficult to analyze the data conclusions, and difficult in terms of controlling.

To overcome these problems, the final project would be made *APPLICATIONS WEBSITE ONLINE INVENTORY WITH BARCODE SYSTEM* which allows for the data collection process using a barcode labels, so that input the data to be faster. In this application can also handle borrowing and return of goods, as well as equipped with SMS Gateway to send a reminder to the borrower in case of delays. Character input process id on this website applications using barcode reader and linear barcodes with Type Code 39 (Code 3 of 9).

With this application, inventory data collection process and kontroling goods items can be done faster and better. Because the system is integrated with barcode label and SMS Gateway system that can help in kontroling both in terms of borrowing and return of goods.

Keywords: Website, Inventory, Barcode