

## **ABSTRACT**

*Toko Berkah Sejahtera is an electronic shop located in Kediri City, East Java. Based on the results of interviews with the store owner, it is known that the data collection process for incoming and outgoing goods is done using Microsoft Excel and stock card which results in discrepancies in the number of items in the records with those in the warehouse. Based on these problems, this final project aims to design a website-based inventory system that can be controlled by a barcode scanner to minimize the occurrence of human errors during the data collection process.*

*The design of this inventory system uses the Rapid Application Development (RAD) method which consists of four stages, namely requirements planning, user design, construction, and cutover. The RAD method was chosen because it is suitable for projects with a short time and stakeholders can be involved in the ongoing system development process. System testing is carried out using the black box testing method and user acceptance test to test the system's functionality against the test cases that have been prepared.*

*The result of this final project is a website-based inventory system at Toko Berkah Sejahtera. The results of the inventory system design can be used to assist store owner and store employees in collecting data on incoming and outgoing goods, checking stock of goods, providing sales reports, reports on best-selling items, and reports on items that run out quickly.*

**Keywords — Inventory System, Website, Rapid Application Development, Barcode Scanner**