

# **WAREHOUSE MANAGEMENT SYSTEM USING ANDROID BASED BARCODE SCANNER**

## ***(Case Study: Motor Terminal Shop, Magelang Regency)***

**FAISAL HALIM FADLLY**

*Informatics Study Program, Faculty of Science & Technology  
University of Technology Yogyakarta  
Jl. Ringroad Utara Jombor Sleman Yogyakarta  
E-mail : [faisalhalim15@gmail.com](mailto:faisalhalim15@gmail.com)*

### **ABSTRACT**

*The development of information technology, especially in the field of mobile technology, is very rapid and this can also have an impact on work including inventory management in MSMEs (Micro, Small and Medium Enterprises). Most MSMEs in the shopping sector still use manual methods to record goods, including in the Terminal Motor shop which sells car and motorbike spare parts. This results in difficulties in managing and searching for goods data, as well as inaccuracy in making goods reports. So that a computerized and easy-to-use inventory management system is needed via a website and Android smartphone with a barcode scan feature. With this system, it can be the best solution to facilitate performance in managing goods inventory in the store. In addition, a computerized system is better than a manual system and makes sales of goods in the store more effective and efficient, and inventory reports that are easily made can minimize data errors. In designing the program, the author uses the PHP and Kotlin programming languages, while for the database using the MySQL database.*

**Keywords:** Warehouse Management System, Barcode, Android, Mobile, Smartphone.