

## **ABSTRACT**

*Asset management is a series of activities consisting of identifying the assets needed, providing logistics, how to obtain these assets, deletion, renewal and other maintenance support systems so that they are more effective and efficient. Therefore, to speed up and simplify asset management, an additional feature is needed, namely RFID (Radio-Frequency Identification) which is a wireless identification system that retrieves data without having to touch it. With a newer, valid, systematic and real-time asset management system, it can facilitate the work of managing company assets properly and correctly while minimizing losses due to errors in asset management.*

*This tool serves to monitor every asset or item in a room so that it is clear where the item is located. The purpose of making this tool is to make asset management more efficient, which means that this tool is expected to reduce errors and omissions, especially human errors in maintaining the assets of a room. This tool consists of an RFID Long Range Reader which can read signals from RFID tags as far as approximately up to 8 meters, then the RFID Tag is attached to the object of goods/assets, the information or data storage of each item will be stored in the database. , here the author uses a MySQL database. The info is sent using the Raspberry Pi microcontroller and every data in the database can be displayed on the website everywhere and everytime using internet.*

**Keywords:** *Management Assets, Ultra High Frequency RFID, Database, MySQL*