

## ABSTRACT

### ***Design and Development of a Web-Based Asset Inventory Application at PT. Pakuwon Jakarta Using the RAD Method***

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*In the era of Industry 5.0, the use of information technology is expanding across various industrial sectors. One area that requires the utilization of technology is the asset inventory system. Currently, PT. Pakuwon Jakarta uses spreadsheets to record assets, which include asset images, asset names, item codes, user divisions, and more. However, this method is prone to data loss, unsupervised changes, and lack of integration. To address these issues, a web-based asset inventory system that uses a database is needed to make data more secure, integrated, and easily monitored by the asset management team. This system will speed up the data input process, facilitate access from anywhere with an internet connection, and assist in generating up-to-date asset value reports and automatic asset value tracking. With a web-based system, all responsible employees can easily revise data, and asset managers can quickly provide approval without the need to manually send files. This system is designed with CRUD functions to enter asset data such as name, type, item code, photo, quantity, usage, and user division. Although this new system is expected to improve efficiency and data security, there may be adaptation challenges for users accustomed to the old system. Therefore, a smooth transition process and training for employees will be key to the successful implementation of this system.*

**Keywords:** *Assets, Inventory, Web*