ABSTRACT

DEVELOPING AND IMPLEMENTING ASSETS CONTROL APPLICATION USING BARCODE SCANNER ANDROID BASED IN PT BINGAS MANUFACTURING

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PT Bingas Manufacturing has been implementing Java Desktop Application since 2011. All data transactions are being saved in local server and can only be accessed through designated personal computer in local network. Transactions are being executed after employees have submitted paper-based form to the admins. Hence, this internship project aims to develop mobile application Android based integrates with barcode scanner. First phase of the internship is to perform surveys and observations to collect desired informations, continuing with gathering in-depth information and analyze further. By that, author goes to implementation phase where designing interfaces for better UX and coding. Testing phase is occurred by contacting with the end users and operational manager in direct. The output of this project is an Android application to help and assist employees and admins in data entries.

**Keywords:** Android Application, Assets Control, Barcode Scanner, PHP, MySQL