ABSTRACT

Title   : Mobile Inventory Application Using Radio Frequency
                    Identification (Case Study of Pakai Hijab Shop)
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Small companies or large companies require inventory records. The inventory record in a company's warehouse is very important to know the inventory data are exists in the company. Pakai Hijab shop is a shop that sells muslim outfit. With so many items in the store, it is required to record every incoming and outgoing items. The result of the records contain data items, incoming items data report and outgoing items data report. However, because the recording is still done manually, error often occurred in the record. This research aims to overcome the problem by designing a mobile inventory application using Radio Frequency Identification (RFID). The approach method used in this research is the waterfall method, while the analysis method used in this research is SWOT analysis that is supported by fishbone diagram. Data collection techniques are carried out by using the method of literature study, interview and observation. In application development, using Android Studio software and SQLite Database. So the result obtained are mobile inventory application using RFID that can be used on smartphone that have NFC feature.

Keywords   : Mobile Application, Inventory, Radio Frequency Identification