

## ABSTRACT

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*Data Processing Applications Inventory, Purchase and Use of Raw Materials and Web Based SMS Gateway is an application that the user based on case studies in Coffindo Bandung. Users of this application is a Supervisor, Manager, Supplier, Parts Warehouse and finance department. The supervisor is in charge of data management application for raw materials, the warehouse is the people in charge of data management order, send and mengeluarkan raw materials, the Manager is in charge menview report and suppliers manage the people in charge of data delivery and supply of raw materials. This application is built using the waterfall model, CodeIgniter framework with the programming language PHP and uses a MySQL database and SMS Gateway. The application is built to meet the needs of data processing inventory, purchasing and raw material usage in operations at Cafe Coffindo Bandung. This is because during the process of inventory and recording of operational data is only done using the records of the ledger, so frequent errors in data recording, with this application is very helpful for supervisors to make a reservation of raw materials through online and supervisors also received confirmation. This application can also handle the shipping notifications in the form of SMS Gateway which aims to deliver orders fish from the Distributor, the notification approve orders, notifikasi goods sent, notification of goods up, payment notifications, and the notification approve payment. In addition, this application can facilitate managers to create and view reports of sales, purchase and payment of raw materials, the result of making a report in the form of chart reports.*

*Keywords: Waterfall, CodeIgniter, MySQL, SMS Gateway.*