

ABSTRACT

Data transfer is activity that give information that is needed between one placed to other placed. Data transfer process is needed to check goods flow that in and or from one branch. Goods check flow process in PT INTRASCO KILAT CARGO is still done not optimally. For example, in process checking goods that in or out from a branch. Notably, there is only one operator that undertaking for receipt and checked goods in PT INTRASCO KILAT CARGO. Considering number of goods that must be delivered in one day from branch of PT INTRASCO KILAT CARGO, operator will have very heavy job's burden. To reduce operator job's burden and make data structured, in this final work will be designed a model system data transfer for goods data. Each goods will be labeled, label containing code of goods. To make checking process easier, barcode system will be used. To give costumer's service, in model systems is completed by SMS Gateway. Customer can access directly goods that have been delivered. In order to this purpose, this final work is titled "Design of Data Transfer Model System Delivery of Goods Packet Using GSM Modem in PT INTRASCO KILAT CARGO".

In designing this system, there are five general steps to solve the problems. First step is information initialization, this step includes determination of problem, goal of the research, literature study and field study that analysis of existing system. Second step is information preparation phase, this step includes variable identification, preparation and data analysis, and modeling system. Third step is creative phase, this step represents phase of software design. Forth step is test and design analysis phase. And the last step is conclusion and suggestion phase.

This final work is divided into several chapters. Chapter I concerns about background, writing target, goal of the final work, and the problem definition. Chapter II contains the literature study about information system, logistic system, characteristic of GSM Modem, SMS Gateway system, and barcode system. Chapter III concerns about the conceptual form about the system therewith the problem formulation for this final work. Chapter IV is the core of the solution from this final work concerns the analysis of existing system and designing new system that is made, and continues with the system analysis at chapter V. Last chapter is chapter VI, contains conclusion and suggestion from this final work.

The research which has been done result an conclusion that the implementation of the information system will facilitate user in organizing data, eliminate operator job's burden, eliminate error in gathering data, and make checking easier. Database success to build and program connected with barcode reader and GSM Modem.