ABSTRACT

BUILDING WAREHOUSE DATA APPLICATION AT UD SINGAPUR GROUP (A STUDY CASE AT UD.SINGAPUR GROUP BUKITTINGGI)

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Singapur Group Business Unit is a wholesaler that sells and distributes shoes. The transaction data in the company is external data and yet not summarized as an integrated data. The company is having difficulties in arranging and analyzing the data flow of incoming and outgoing goods. The current transaction report cannot provide a description of all transactions periodically and is difficult to understand. The company wants a system which is able to integrate separated data into a system, access numerous data, and analyze data based on a business review from a certain period in details to provide fast and accurate information of sales and order data. Such system will help the company to provide representative report.

Data warehouse is an integration of several databases that combines information by summarizing, aggregating, and supporting reports and data analysis in a unit or division of a company. It analyzes data for strategic decision-making purpose quickly and appropriately. The data warehouse building employs snow flake data modeling and OLAP (On-Line Analytical Processing) designing, while the data processing and analysis employs roll up and drill down and slice and dice techniques.

Keywords: *Data Warehouse, Snow flake, Olap, Roll up and drill down and Slice and Dice.*