DISTRIBUTED DATABASE IMPLEMENTATION

IN POINT OF SALE SYSTEM WITH METHOD

SYNCHRONOUS REPLICATION

(Case Study: SBS ENDANG BUAH)

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ABSTRACT

SBS Endang Buah is a trading agency that sells various kinds of fruit. Initially, SBS Endang Buah only had one store, with increasing customers; a branch store was opened to deal with the increasing number of customers. However, data that is not distributed results in data delays and makes it difficult for agencies to manage sales data at branch stores and major stores and the absence of data backups make Sbs Endang fruit prone to data loss. Therefore, all data from branches and central stores must be distributed to each other, and a distributed database system is made on the sales system to make it easier for the agency to process sales data. Furthermore, considering that the data is essential, it requires backup data to anticipate data loss. The distribution process database will be created directly using replication synchronous. Where the database master located in the central store will be replicated to the database slave store branch and vice versa, replication is carried out in two directions, so that data delays for processing sales data can be resolved and with the existence of two databases can anticipate data loss from technical and non-technical matters.

Keywords: Information System, Sales, Distributed Database, Synchronous Replication.