ABSTRACT

CREATING A DATA WAREHOUSE AND OLAP TOOLS ON SHAFIRA TOUR AND TRAVEL

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Shafira Tour & Travel has not been there a system that is able to handle data processing and report generation so that the data processing and report generation is still manual with Microsoft Office Excel. Using of Microsoft Office Excel found several problems, among others, are susceptible to the virus and limited the amount of storage and the difficulty to obtain the desired data and create reports.

Based on the problems faced Shafira Tour & Travel, the development of data warehouse applications and OLAP tools become very important for corporate management to support data analysis and report generation. Data warehouse application development process begins with the upload data from excel file to the database OLTP Shafira, followed by the ETL process (Extract, Transform, Load) data from the OLTP database into a database Shafira Constellation schema, analasis data in the form of tables, graphs and reports. making this application using MySQL 5.5 as a database storage and Borland Delphi 7 as an application builder tool.

The information generated from these applications is the calculation of enrollment data from the dimensions of pilgrims, package, and the time and the calculation of payments data from recap pay-dimensional, package, and time. The data can be viewed from various different angles so as to facilitate the process of analysis and report generation.

Keywords: data warehousing, OLAP tools, analysis.