ABSTRACT

SODA (SIMPLE OBJECT DATABASE ACCESS)

METHOD IMPLEMENTATION

ON WEB BASED APPLICATION USING MULTIPLE DBMS

(CASE STUDIES ON PT TELKOM'S WEB FAABULA DATABASE)

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Every company that uses a different database have the similar needs in the retrieval of information from data contained in different databases. One issue that comes up is the process of merging data from many systems, each system using different Database Management System (DBMS). Simple Object Database Access (SODA) is a method that can be applied to an object that is used to communicate with one or more DBMS.

Based on the above issues, we need a web-based software that uses the SODA method to solve problems in merging data from the database with the different DBMS. Web-based applications are built using the PHP programming language. By using a single SQL query command, the application can merge data between different DBMS to perform the set operation functions (union, minus, intersect).

Based on the research, it can be concluded that the software can help the user to merging data between databases with different DBMS and facilitate developers or programmers to develop web applications with single or multiple DBMS.

Keyword: *SODA, multiple DBMS, heterogenous database, SQL Query*