

ABSTRACT

Data is a source of information on decision making. Even in companies, data is used to get the right information for the company's value. Data with good quality can produce decisions that can make a company successful.

To ensure that the existing data is of good quality, the company can perform data quality management. Data quality management is a set of activities carried out to ensure that the data to be used and processed is of good quality. In data quality management, there are a series of strategies, namely data profiling, data cleansing, data monitoring, and data integration.

Data cleansing is the process of converting low-quality data into high-quality data. Data Quality Management Tools (DQM Tools) is an application that can perform the data cleansing process. In the DQM Tools application there are also several cleansing modules that have not been installed and have not been integrated between the modules, and the DQM Tools application cannot run on the open source platform.

In this study, we will discuss the adjustments made so that the existing and new data cleansing modules can be installed and integrated into the DQM Tools application, and can be run on an open source platform. This research was also conducted using the Iterative Incremental method. The results obtained in this study are the integration and installation of the data cleansing module on the DQM Tools application, and the ability to run the DQM Tools application on the open source platform. The conclusion that can be drawn from this research is that the module can be integrated by adjusting the business processes in the application. The researcher suggests that the next research can adjust the module so that the input data is not only from Mysql.

Keywords— data quality, data quality management, data cleansing, integration