

ABSTRACT

ANALYSIS AND DESIGN OF DATA QUALITY MONITORING USING OPEN SOURCE TOOLS

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Data is the most important component in managing information systems in a company. Data can be used to influence goals and make decisions. Data quality is something that should be taken into account by the organization to be able to make business policies that have a positive impact on the organization. Many organizations have managed their data to be of good quality but there are still many organizations that have not been able to make good data quality a process that must be carried out continuously even though most methodologies agree that data quality assessment is a process that must be carried out continuously. To overcome these problems there is a data quality monitoring process which will monitor data quality that has been carried out by the data profiling process. This method can be done with a variety of applications ranging from paid to open source, but with high paid applications, many organizations use open source applications. In this study researchers conducted analysis and design of data quality monitoring architecture using open source tools.

Keywords : Data Quality, Data Quality Monitoring, Open Source