

ABSTRACT

Muhammadiyah University of Yogyakarta has Information System which can be used to form accreditation fulfilment especially form accreditation in fourth standard of human resources. But in this system information has databases normalization so the system still spend much time to produces information for fulfilling the form. From this issue then be made to the data mart which is a form of small-scale data warehouse which make data form simpler and decrease the time for displaying information. Data marts are built with Normalized Data Store (NDS) + Dimensional Data Store (DDS) architecture. The stages of research started from requirement analysis, analysis of data availability, design, implementation, and testing. The user requirement of this research comes from the fourth standard accreditation form which include in human resources. The implementation of extract, transform, and Load (ETL) in the process to make data mart use Pentaho Data Integration. From the testing that has been done can be concluded that the data marts are built is able to provide the information required to fill the fourth standard accreditation forms which include in human resources.

Keywords: Accreditation Forms, NDS + DDS, ETL, Pentaho, Data Mart.