

ABSTRACT

HR data (Human Resources) is important data in every organization, including at ITTelkom Surabaya. There is a lot of HR data that must be managed by ITTelkom Surabaya, such as lecturer data which includes tridharma activities and staff data. HR data is spread across many data sources. The problem when the top level management of ITTelkom Surabaya requires concise and easy-to-understand information related to HR data. However, there is no dashboard that can display this information, so the head of the HR department must manually manage data taken from various sources to display the required data.

One approach that can be used is a data warehouse. Based on previous research, the method of building a data warehouse is a bottom-up approach which is supported by Kimball. After analyzing and building a data warehouse, then build HR dashboard using Power BI tools.

The result of this research is 9 data warehouse schema as a database model for human resource data ITTelkom Surabaya such as Employee Profile, Employee Attendance, Employee training, Employee education, Employee Position, Academic Fungsional Position, lecture workload, lecture research, and lecture community service. Based on the 9 data warehouse schema, dashboard has been built to show the information required by top-level management of HR ITTelkom Surabaya, and the results of the verification of any dashboard display are in accordance with user need.

Keyword: Data Warehouse, Dashboard, Kimball, Human Resource