

ABSTRACT

IT Telkom is a learning institution of education that includes a profitable organization which is doing many research and providing human resource align with the industry needs. The delay time of getting a work is one of the aspects that may determine success of an education institution in developing the graduates that adequate to answer the industry needs and increasing a good image of institution in front of other education institutions. TCC YPT d/h CDC IT Telkom process data of tracer study by using tool Microsoft Office Excel to create data analytics related to tracer study IT Telkom. Data analytics that want to be created are to knowing the relations of data perspectives with the delay time of graduates in IT Telkom as a measure that will be observated through a multidimensional model data. Based on the condition, its necessities to design business intelligence for tracer study graduated students in IT Telkom.

Business Intelligence is designed with two stages, as they are the designing data warehouse that will be used as database storage and then designing the features of business intelligence with tools Pentaho Community Edition that is consisted in Pentaho Data Integration, Pentaho Report Designer and Pentaho BI Server.

In designing business intelligence, data source that is used as input system are data tracer study, data TAK of graduated students, data academic of graduated students in IT Telkom. Business intelligence for tracer study graduated students in IT Telkom is providing the report that can be seen from Pentaho BI Server that is made before from tool Pentaho Report Designer and Saiku Reporting as plugin. In designing the futur analysis, it provides from Saiku Analysis as plugin.

The designing business intelligence for tracer study graduated students in IT Telkom can be concluded that is relationship between average value of delay time with perspectives that related to it, there are dimension of category work statuses, dimension of category TAK Internal, dimension of category TAK External, dimension of category TAK Entrepreneurship. Suggestions for the next research, it would be included with designing the dashboard so that the top level management can be easier to make decision for their organization.

Keywords: business intelligence, Pentaho, multidimensional model data, data analytics.