ABSTRACT

Business Intelligence (BI) is a system and application functions to convert the data in a company or organization in the form of knowledge. Telkom Institute of Technology is one of the emerging institutions. Lectures in IT Telkom are required to carry out research activities. The establishment of a research culture is an absolute must to achieve.

However, the majority of lecturers don't spend of their time for research activity. It is evident from the number of the research titles by the lecturer in 2012 as much as 35 research titles. Lecturers in IT Telkom consist of 270 people. The number of lecturers involved in the 35 titles is 93. Judjing from the ratio of active lecturer: Total lecturers = 93: 270 or about 33.3%. So it is required to make reports as an evaluation of research actvities by the faculties given to the director of DP2M. Thus, business intelligence methods are needed to help DP2M processing research activity data to produce reporting and analysis.

In business intelligence, faculty research activity data are fragmentary data processing can be made into a data warehouse. The data warehouse is created will produce lecturers research activity data reporting IT Telkom. It also can generate analytic connectedness of the faculty profile related to faculty research activities IT Telkom.

With the establishment of business intelligence, DP2M as the admin will be easier in the preparation of reports as well as the Director of DP2M would be easier to accept the report and evaluate faculty IT Telkom research activities. However, subsequent research is needed again for the data lecturer with the larger scope of research that can be done to the entire campus under YPT.

Keywords: business intelligence, data warehouse, report, analytic, research, Lecturer IT Telkom