

ABSTRACT

Assessment of the maturity level of data management is very important to implement to determine the level of maturity of an activity and be able to improve these activities, therefore it is recommended that there are guidelines in standardized data management. One of the educational institutions that implements data management to assist and facilitate data processing for the sake of running campus activities is Telkom University but there are no guidelines for data management management. In order to assess the maturity level of data management based on standards, the authors in this study designed the maturity level of data management based on the guidelines from DAMA – DMBOK and to assess and measure the maturity level of the authors using the CMMI method approach. To implement the maturity level assessment process, the authors in this study used a seven-stage implementation roadmap based on COBIT implementation. The maturity assessment process in this study was identified from problems such as symptoms, events and constraints, then a maturity analysis was produced based on existing conditions to get the maturity score results, there was a targeting value based on the condition of the object of research, so the author could perform a comparison gap analysis between the target value and existing value. The results of the gap analysis provide a solution in the form of development potential to identify development priorities and identify detailed solution requirements based on internal documents related to the object of research, then an implementation roadmap is drawn up based on development potential. The conclusion of this research, the authors conduct an assessment and analysis of the condition of the maturity level of data management and provide recommendations, so that the benefits that can be obtained are knowing the existing conditions of the maturity level of data management and the existence of standard guidelines in data management as well as recommendations for solutions for handling data management maturity. The author focuses on 3 aspects, namely personnel, process and technology.

Keywords: *Data Management, DAMA – DMBOK, CMMI, Maturity Assessment Data Management*