

ABSTRACT

DESIGN ANALYSIS OF IMPLEMENTATION GUIDELINES AND ASSESSMENT TECHNIQUE OF METADATA MANAGEMENT BASED ON DAMA-DMBOKv2 AND PROCESS ASSESSMENT MODEL

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Data is an important asset owned by the company. Data used as knowledge by companies in decision making. It is because data can provide information about what is in the company. The data used does not rule out the possibility of coming from a different data storage system. The more data storage systems there are, the more complex the resulting data will be and have various formats. It creates problems in sharing data between systems, making it difficult for users to search for data and transfer data. This problem is caused by the inefficient data communication process and the lack of data governance planning. As a result of the inefficient data communication process, data users do not know the meaning of data in different systems. It issue can be resolved by implementing metadata management. Metadata management will help companies understand data, exchange data between different systems, and assist in the process of data communication between systems. This study analyzes the design process guidelines and metadata management assessment techniques that can be safely applied within an organization. Within the DAMA-DMBOK framework, the metadata management process is defined broadly. So we need a guide that contains steps that can explain the metadata management process based on those defined by the DAMA-DMBOK framework. Process guidelines that have been defined require an assessment to measure how well the process can be relied on to be applied in a company or organization. This research is important to do in order to make it easier for companies or organizations to increase the use of information data assets to be more efficient and reliable.

Keywords: *DAMA-DMBOK, Data Management, Management Metadata, Data Management, Guidelines, Process, Assessment*