

ABSTRACT

ANALYSIS AND DESIGN GUIDELINES, PROCESS, AND ASSESSMENT TECHNIQUE OF REFERENCE DATA QUALITY MANAGEMENT BASED ON DAMA-DMBOKV2 AND PROCESS ASSESSMENT MODEL

By

RANGGA PATRA PRATIKTIO

NIM : 1202162137

Data is an important asset that used as a key for making decisions for the company's operations and business needs. The data is not only taken from one database source but from various databases that exist to be a single entity. However, obstacles arise when the process is carried out, which is the existence of duplication data with different formats, but the data is same. Problems that can be reduced or even eliminated by implementing good data governance. One process that exists in data governance is data quality management (DQM).

Data quality management (DQM) becomes an issue to the academic and professional communities. It is related to the poor data quality that means inaccurate information which could harm the organization and waste resources. Mainly it could affect the relationship with its customer. Data quality is synonymous with information quality since poor data quality results in inaccurate information and poor business performance. Furthermore, stated two most common problems caused by poor data quality. The first one is about extra time required to reconcile data. The second one is about loss of reliability in the system or application because of existing errors.

Data quality methodologies are sets of guidelines and techniques that are designed for measurement assessment, and perhaps, improving data quality in a given application or organization. If an appropriate list of dimensions is available for the specific needs of an organization, Data Management Body of Knowledge and Process Assessment Model can be designed in order to measure dimensions and identify “weak” dimensions in the organization. Select a proper “strategies” to improve data quality and the data owned by the company remain consistent and have good data quality

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