

## **ABSTRACT**

### ***DEVELOPMENT OF DATA INTEGRATION AND INTEROPERABILITY GUIDELINES AND ASSESSMENT TECHNIQUES USING DAMA DMBOK v2 AND PROCESS ASSESSMENT MODEL***

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*Data is a vital asset that is important for an organization or company which can provide a picture and insight about the organization. Data that continues to grow can cause data to be fragmented based on activities managed by each system. Data that is fragmented and stored separately can cause data loss, data redundancy, and can reduce the level of decision making. This problem can be overcome by implementing data integration and interoperability management. Data integration makes it possible to combine data from different sources and display it into an integrated view so that it can simplify decision making and also reduce the potential for data redundancy due to integrated data. This research focuses on creating guidelines and assessment techniques for data integration and interoperability management that can be implemented in an organization. The drafting of guidelines and assessment techniques in this research was based on activities in the Data Management Body of Knowledge (DAMA DMBOK v2) framework and Process Assessment Model (PAM). The guidelines that have been designed will later be used to assist organizations in implementing data integration and interoperability.*

***Keywords – Data Governance, Data Integration, Data Interoperability, DAMA DMBOK v2, Guidelines***