

## **ABSTRACT**

# **DEVELOPMENT OF DATA STORAGE AND OPERATIONS GUIDELINES USING DAMA DMBOKv2 AND PROCESS ASSESSMENT**

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*Data is a very important resource or asset for a company. Data and information provide valuable insights about customers, products and services, and can help companies innovate and achieve strategic goals. Data is used to make decisions in business operations by companies. If the data stored in the system is not managed properly it can cause data loss and data redundancy, and can hamper business processes in the company which has an impact on the accuracy of the data and information produced. This problem can be overcome by implementing data storage and operations. Data storage and operations are very important in a company or organization to ensure data lifecycle availability, data integration, and data transaction performance can be managed properly. Data storage and Operations is a process in designing, implementing, and supporting stored data with the aim of maximizing value in the data lifecycle. This research focuses on making process guidelines and data storage and operations assessment techniques applied by companies. The application and assessment techniques for data storage and operations are carried out based on the activities of the Data Management Body of Knowledge (DAMA-DMBOKV2) and Process Assessment Model (PAM) frameworks. The designed assessment guidelines and techniques can assist companies in implementing data storage and operations for better decision making and data quality.*

**Keywords – Data storage, Data operations, Data Storage and Operations, Data Governance, Guidelines, DAMA-DMBOKv2**