

## **ABSTRACT**

# **ANALYSIS AND DESIGN OF GOVERNMENT SYSTEM BASED ON ELECTRONIC DOMAIN METADATA MANAGEMENT BASED ON DAMA DMBOK v2: A CASE STUDY AT DISKOMINFOTIK OF KBB**

By

**Akbar Adriansyah**  
**1202154377**

The Department of Communication, Information, and Statistics of West Bandung Regency (Diskominfo KBB) is a government institution that carries out activities to provide services to the people of West Bandung Regency, especially in the field of communication, informatics, and statistics. Referring to Presidential Regulation number 95 of 2018 concerning Electronic Based Government System (SPBE) and Presidential Regulation number 39 of 2019 concerning Satu Data Indonesia, the Office of Communication, Information and Statistics of West Bandung Regency needs to implement data governance in its government to integrate all assets and data related to information technology as optimal. Policies and implementation related to the management of Metadata Management in the Office of Communication, Information and Statistics of West Bandung Regency are considered not yet able to maximize data management optimally and structured because there are still many data that have not been integrated with each other. This design uses the *DAMA-DMBOK v2*. *DAMA-DMBOK v2* is a guide used to design data governance, especially Metadata Management at the Office of Communication, Information, and Statistics of West Bandung Regency. Management metadata helps an organization understand information from a data that is owned, know the source and location of data, and understand the value that can be used by data users. Management metadata must include business descriptions related to information assets and technical descriptions that discuss data storage systems, detailed types of technical data, and information relationships with other data sources. The purpose of this study is to find out the existing conditions of data governance activities, especially metadata management, conduct risk assessments from every aspect of organizational data governance, and provide recommendations on solutions from aspects of people, process, and technology.

Keywords: Data Governance, Metadata Management, SPBE, Risk Analysis, Solution in aspects people, process, and technology