

## ABSTRACT

# ANALYSIS AND DESIGN OF ARCHITECTURE MASTER DATA MANAGEMENT (MDM) TOOLS FOR OPEN SOURCE PLATFORM AT PT XYZ

By

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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 Reference and Master Data. This process can be the foundation for making a master data management tools using the open source platform. This research focuses on analyzing existing master data management architectures and designing new architectures. So, design of master data management tools architecture for open source systems that can be applied at PT XYZ.

**Keywords:** *Data Governance, Reference and Master Data, Architecture, Master Data Management, Open Source Platform*