

# Strategi Peningkatan Kualitas Data pada Proyek Pengembangan Data Analytics Manajemen Pegawai: Studi Kasus pada Kementerian Keuangan RI = Data Quality Improvement Strategy in Employee Management Data Analytics Development Project: A Case Study at Minister of Finance of the Republic of Indonesia

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## Abstrak

Dalam rangka mendukung pengambilan keputusan yang tepat bagi pimpinan berbasis data (data driven organization), Kemenkeu menyusun inisiatif strategis optimalisasi Sistem Layanan Data Kementerian Keuangan (SLDK) dan pengembangan proyek data analytics. Dalam pengembangan data analytics, terdapat permasalahan rendahnya kualitas data sehingga data driven organization belum terwujud dengan optimal. Penelitian ini menggunakan metode kualitatif dengan melalui proses wawancara dan observasi. Pengukuran kualitas data dan tingkat kematangan kualitas data menggunakan kerangka kerja Loshin's Data Quality, DAMA-Data Management Book of Knowledge (DMBoK), dan Government Data Quality (GDQ). Hasil pengukuran kualitas data menunjukkan terdapat permasalahan data tidak akurat dan tidak lengkap dan tingkat kematangan kualitas data Kemenkeu berada pada level Repeatable. Menyusun strategi kualitas data, ketentuan teknis, tim kualitas data, dan prosedur pengelolaan kualitas data; identifikasi harapan dan aturan kualitas data; mengukur, memantau, dan melaporkan kualitas data; mengelola aturan, knowledge base, dan metadata; meningkatkan kesadaran; melakukan pelatihan; menyediakan tools, menerapkan aturan dan menangani permasalahan; memutakhirkan SLA; mengelola kinerja kualitas data; dan melakukan audit kualitas data merupakan strategi peningkatan kualitas data yang dilaksanakan dalam empat tahap pada Tahun 2022-2023.

.....To support the right decision making for data-driven organizations, the Ministry of Finance (MoF) has developed a strategic initiative for optimizing the MoF's Data Service System (SLDK) and developing a data analytics project. In the development of data analysis, there is a problem of low data quality so that data-driven organizations have not been realized optimally. This study uses a qualitative method through interview and observation. Measurement of data quality and maturity level of data quality uses the Loshin's Data Quality framework, DAMA-Data Management Book of Knowledge (DMBoK), and Government Data Quality (GDQ). The results of the measurement of data quality indicate that there are problems with inaccurate and incomplete data and the MoF's data quality level is at the Repeatable level. Develop a data quality strategy, technical provisions, data quality team, and data quality management procedures; identification of data quality expectations and rules; measure, monitor, and report on data quality; manage rules, knowledge base, and metadata; raise awareness; conduct training; provide tools, apply rules and carry out problem solving; updating SLAs; manage data quality performance; and conducting data quality audits is a data quality improvement strategy implemented in four stages in 2022-2023.