

Implementasi data warehouse dan business intelligence untuk pemantauan penerimaan pajak daerah: Studi kasus pada Dinas Pelayanan Pajak DKI Jakarta = Data warehouse and business intelligence implementation for local tax revenue monitorin : Case study at Dinas Pelayanan Pajak DKI Jakarta / Gito Wahyudi

Gito Wahyudi, author

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Abstrak

[ABSTRAK

Penelitian ini mengangkat isu masalah aksesibilitas informasi Pajak Daerah dan penetapan target penerimaan. Isu aksesibilitas disebabkan oleh kompleksitas proses dalam mengumpulkan dan mengkonsolidasi data dari beberapa sumber yang tersebar pada unit-unit pelayanan. Di sisi lain Dinas Pelayanan Pajak (DPP) harus menetapkan target penerimaan berdasarkan data tahun sebelumnya dengan menggunakan metode tertentu. Tujuan penelitian ini untuk menjawab permasalahan tersebut dengan melakukan perancangan data warehouse, mengimplementasikan dalam bentuk prototipe, memproses cube untuk kepentingan analisis multi dimensional, membuat business intelligence dashboard, dan data mining untuk proyeksi penerimaan Pajak Daerah di masa mendatang. Metodologi yang digunakan untuk merancang data warehouse adalah metodologi yang dikemukakan oleh Ralph Kimball. Hasil dari penelitian ini adalah rancangan dan implementasi prototipe data warehouse, business intelligence dashboard, dan proyeksi penerimaan Pajak Daerah di masa mendatang yang dapat menjawab kebutuhan informasi DPP.

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ABSTRACT

This research addresses both local taxes information accessibility and revenue target setting issues. The accessibility issue arise from the complexity of compiling process since these data have to be gathered and consolidated from several sources across many tax offices. Simultaneously the Local Tax Authority (Dinas Pelayanan Pajak-DPP) has to set annual revenue target which usually derived from time series data by implementing a certain revenue forecasting method. The purposes of this research is to solve the accessibility issue and provide a scientific forecasting method by designing data warehouse, implementing its prototype, processing the cubes for multi dimensional analysis, providing a business intelligence dashboard, and mining the data which used in the forecasting process. This research uses data warehouse design methodology provided by Ralph Kimball. The outcomes of this research are data warehouse design and prototype, business intelligence dashboard, and local taxes revenue forecasting method to provide the information as needed by DPP. ;This research addresses both local taxes information accessibility and revenue target setting issues. The accessibility issue arise from the complexity of compiling

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