Sistem Informasi Monitoring Pelaksanaan Pengadaan Barang dan Jasa (Studi Kasus : Badan Tenaga Nuklir Nasional)

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Abstrak

Monitoring pelaksanaan pengadaan barang dan jasa diperlukan dalam mendukung kinerja Unit Layananan Pengadaan (ULP) di Badan Tenaga Nuklir Nasional (BATAN). Untuk memudahkan dalam kegiatan monitoring diperlukan adanya sistem informasi yang dapat mendukung kegiatan pengadaan barang dan jasa. Penelitian ini bertujuan untuk mengembangkan sistem informasi berupa aplikasi berbasis komputer pada (ULP) Unit Layanan Pengadaan di (BATAN) Badan Tenaga Nuklir Nasional dalam melakukan kegiatan monitoring pengadaan barang dan jasa, karena selama ini semua prosesnya hampir seluruhnya dilakukan secara semi-manual. Penelitian ini dikembangkan melalui metode kulitatif, yaitu pengumpulan data melalui studi dokumen, observasi, dan wawancara. Rekayasa perangkat lunak dalam penelitian ini menggunakan metode pendekatan Prototyping. Data-data dianalisis menggunakan metode PIECES. Desain menerapkan metode OOAD (Object Analysis and Design) dengan tools (UML) Unified Model Language. Hasil yang diharapkan adalah sistem informasi pelaksanaan pengadaan barang dan jasa. Sistem tersebut mempermudah pengumpulan data, pengolahan data, dan penyampaian laporan kepada pihak yang terkait.

Kata kunci: BATAN, pengadaan, monitoring, PIECES, prototyping model, UML

Monitoring Information System Implementation of Goods and Services Procurement (Case Study : National Nuclear Power Agency)

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Abstract

Monitoring of the procurement of goods and services is required to support the performance of the Unit Layanan Pengadaan (ULP) at the National Nuclear Power Agency (BATAN). To facilitate the monitoring activities required an information system that can support the procurement activities of goods and services. The research aimed to develop information system in the form of computer-based application at Unit Layanan Pengadaan (ULP) in National Nuclear Power Agency (BATAN) in conducting monitoring activities of procurement of goods and services, because all this process almost all done semi-manual. This research was developed through leather method, that is data collection through study document, observation, and interview. Software engineering in this research using Prototyping approach method. The data were analyzed using PIECES method. Design applies OOAD (Object Analysis and Design) method with Unified Model Language (UML) tools. The expected result is the information system implementation of the procurement goods and services. The system facilitates data collection, data processing, and report submission to related parties.

Keywords: BATAN, Procurement, monitoring, PIECES, Prototyping Model, UML