

INTISARI
RANCANGAN *DASHBOARD* INFORMASI PADA PENGADAAN
DENGAN SKEMA KONTRAK PAYUNG GUNA
MENGHINDARI DISTORSI INFORMASI
PADA *SUPPLY CHAIN* DI PT. PIS

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Penggunaan teknologi yang terintegrasi dalam proses bisnis perusahaan telah menjadi kebutuhan utama. Ketersediaan informasi yang lengkap sangat diperlukan agar perusahaan dapat bertahan dalam persaingan bisnis. Hal ini dibutuhkan perusahaan dalam menganalisa dan mengatasi masalah yang dihadapi serta dalam pengambilan keputusan strategis. Permasalahan seringkali ditemukan adanya distorsi informasi pada *supply chain* yang menjadi salah satu penyebab timbulnya *bullwhip effect*. Oleh karena itu, rancangan dashboard informasi diperlukan dalam sistem pengadaan barang dan jasa. Penelitian dilaksanakan dalam beberapa tahap, yaitu pengumpulan data di lapangan berlokasi di PT. Pertamina International Shipping (PT. PIS) Jakarta. Metode pengumpulan data melalui wawancara pada staf dan manajer fungsi *Fleet Management Solution, Fleet Supply Chain, Fleet Support*. Pengolahan data hasil wawancara berupa data-data informasi kontrak payung (*frame contract*) menggunakan tools *Microsoft Excel* dan diolah di *Microsoft Power Bisnis Intelligent*. Hasil penelitian menunjukkan pembangunan *Business Intelligence* dalam mengelola data pengadaan barang/jasa dengan skema kontrak payung di Direktorat Armada PT. PIS dalam bentuk sistem dashboard yang menggunakan *Microsoft Power Business Intelligent* untuk menghasilkan informasi baik dalam bentuk visualisasi grafis. Distorsi informasi sebelum menggunakan dashboard memperoleh *bullwhip effect* (BE) sebesar 0,303628724. Dengan rancangan *dashboard* informasi pada pengadaan barang/jasa dengan skema kontrak payung di PT. PIS mampu disimpulkan bahwa nilai *bullwhip effect* menjadi 1 karena *information sharing* yang akurat, proses pengadaan lebih cepat dengan harga satuan stabil dalam kurun waktu tertentu sehingga mampu menciptakan tetapitas harga.

Kata Kunci: Skema Kontrak Payung, Rancangan *Dashboard* Informasi, Distorsi Informasi, *Supply Chain*

ABSTRACT
INFORMATION DASHBOARD DESIGN ON PROCUREMENT
WITH UMBRELLA CONTRACTS SCHEME TO AVOID
DISTORTION OF INFORMATION ON
SUPPLY CHAIN AT PT. PIS

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The use of information technology that is integrated with business processes in a company has become a major requirement at this time. The availability of complete information is a basic need for the survival of the company in the face of business competition. This is needed by the company in analyzing and overcoming the problems faced and in making strategic decisions. The problem is often found that there is distortion of information in the supply chain which is one of the causes of the bullwhip effect. Therefore, an information dashboard design is needed in the goods and service procurement system. The research was carried out in several stages, namely data collection in the field located at PT. Pertamina International Shipping (PT. PIS) Jakarta. The method of collecting data is through interviews with staff and function managers of Fleet Management Solution, Fleet Supply Chain, Fleet Support. Processing of interview data in the form of frame contract information using Microsoft Excel tools and processed in Microsoft Power Business Intelligent. Analysis of research results uses the justification method to determine the benefits of problem solving and the planning method to determine technical and non-technical infrastructure. The results show the development of Business Intelligence in managing data on the procurement of goods/services with an umbrella contract scheme at the Fleet Directorate of PT. PIS-based dashboard system using Microsoft Power Business Intelligent produces good information in the form of graphical visualizations. Distortion of information before using the dashboard obtained a bullwhip effect (BE) of 0.303628724. With the design of the information dashboard on the procurement of goods/services with an umbrella contract scheme at PT. PIS can be concluded that the value of the bullwhip effect becomes 1 because of accurate information sharing, the procurement process is faster with a fixed unit price within a certain period of time so as to create price tetapity.

Keywords: Umbrella Contract Scheme, Information Dashboard Design, Information Distortion, Supply Chain