

Perancangan model dan strategi implementasi sistem informasi pusat distribusi: studi kasus Kementerian Perdagangan = Model design and implementation strategy of distribution center information system: a case study at Ministry of Trade / Sumardi

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Abstrak

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Pemenuhan pangan merupakan hak asasi setiap rakyat Indonesia yang harus senantiasa tersedia setiap waktu, aman, bermutu, bergizi, dan beragam dengan harga yang terjangkau oleh daya beli masyarakat. Tetapi pada kenyataannya, stabilisasi harga bahan pokok di Indonesia belum sepenuhnya tercapai, dimana rata-rata koefisien variasi (KV) harga pada beberapa komoditas bahan pokok misalnya daging ayam, bawang merah, dan cabai masih melewati KV wajar. Salah satu faktor penyebab fluktuasi harga bahan pokok di Indonesia adalah faktor distribusi barang, misalnya infrastruktur distribusi yang belum memadai, rantai distribusi yang panjang, biaya distribusi tinggi, serta data pasokan dan permintaan barang yang belum terpantau.

Dalam rangka mengatasi permasalahan tersebut, pemerintah membuat kebijakan pengembangan sistem logistik nasional berdasarkan konsep supply chain management (SCM), dengan membangun fasilitas Pusat Distribusi di daerah. Untuk mendukung penerapan program tersebut, diperlukan strategi penerapan dan dukungan sistem informasi yang handal agar mampu mencapai tujuan program tersebut yaitu menjamin stabilitas harga dan ketersediaan bahan pokok, serta mengurangi disparitas harga antar daerah. Penelitian ini menggunakan pendekatan soft system methodology (SSM) dalam menyusun model dan strategi penerapan sistem informasi Pusat Distribusi. Hasil dari penelitian ini adalah rancangan model kebutuhan fungsional sistem informasi Pusat Distribusi yang digambarkan dalam use case diagram serta 18 strategi penerapan sistem informasi logistik.

ABSTRACT

The right to food is a fundamental right of every people that should be available every time, safe, have certain quality, nutritious and various with affordable price. But in fact, the price stabilization of staple food in Indonesia have not been fully achieved, where the average of coefficient of variation (CV) of some staple food items, exceed the reasonable CV (more than 9 percents). Distribution of goods is one of the main factors which cause price fluctuations on the staple food in Indonesia, such as inadequate distribution infrastructure, long distribution channel, high distribution costs, and also unmonitored data of supply and demand.

To overcome these problems, the government made a policy on national logistics system development based on the concept of supply chain management (SCM). It was manifested by constructing distribution center facility in the region. The implementation strategy and reliable information system was needed to support the system implementation. It has the aim to be able to ensure the prices stability and availability of the staple foods, and also to reduce the price disparity between regions. This research uses soft system

methodology (SSM) approach to develop information system models and the implementation strategy. Results from this research are design of information system model which is described in use case diagram and 18 activities for implementation strategies of logistics system.</i>