

Analisa penerapan sistem EDI di Pelabuhan Tanjung Perak terhadap lalulintas jalur peti kemas

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Abstrak

Pelabuhan Tanjung Perak adalah pelabuhan terbesar kedua di Indonesia. Sistem EDI (Electronic Data Interchange) sudah mulai diterapkan dalam kegiatan kepelabuhanan. Namun penerapan sistem EDI di Pelabuhan Tanjung Perak belum diketahui seberapa besar pengaruhnya terhadap lalu lintas jalur peti kemas. Untuk memecahkan masalah tersebut maka dilakukan suatu penelitian dengan menggunakan perbandingan dan analisa process mapping. Adapun pelabuhan yang menjadi dasar perbandingan adalah Pelabuhan Rotterdam, Pelabuhan Singapura dan Pelabuhan Tanjung Priok. Data yang diambil meliputi data kapasitas pelabuhan, sistem teknologi informasi, sistem pertukaran informasi dan data process mapping. Selanjutnya data tersebut dibandingkan dan dianalisa.

Akhirnya dari analisa process mapping dan perbandingan tersebut, diketahui bahwa penerapan sistem informasi berbasis EDI di Pelabuhan Tanjung Perak belum diterapkan menyeluruh dan masih banyak proses manual terjadi. Integrasi dengan pihak Bea Cukai sudah dilakukan, namun untuk...

Tanjung Perak Port is the second biggest in Indonesia, EDI (Electronic Data Interchange) system has been established in the port activities. However, how big is the influence of the EDI system establishment in Tanjung Perak Port toward the containers traffic has yet to be known.

To solve this problem, a study is undertaken using a comparison mapping analysis. While the port in which become the comparator is the Rotterdam Port, Singapore Port, and Tanjung Priok Port. The data which are taken consist of port capacity data, information technology system, information exchange system and process mapping data. Then these data are compared and analyzed.

Eventually, from the process mapping and comparison. It is known that the establishment of EDI information system in Tanjung Perak Port has yet to be entirely established and there are still many manual processes involved. Integration with the Bea Cukai has been carried out, but for the ships' reservation, transportations reservations are not online. There are no container...</i>