

ABSTRACT

Along with the increasing complexity of models of service, quality of service of an institution are often very closely related to the quality of service from other institutions, particularly in relation to the process of exchanging data and information by and from one institution to another institution.

Inter-institutional data exchange process is already very familiar to most users of information technology such as the concept of EDI (Electronic Data Interchange) or by using the Job Scheduling, but the process of information exchange between institutions without affecting the operating system, application programs and database structure of each institution not so common.

The use of SOA in the Directorate General of Taxation (DJBC) is expected to bridge the information exchange process between the DJP with other agencies within the Ministry of Finance in this regard is the taxpayer's exchange of information between the Directorate General of Taxation by the Directorate General of Customs and Excise (DJBC) on the Import Alert goods (PIB) without affecting the operating system, application programs and database structures each others.

Keywords : *Electronic Data Interchange, Job Scheduling, Service Oriented Architecture, online, realtime, information exchange.*

ABSTRAK

Seiring dengan semakin kompleksnya model-model pelayanan, kualitas pelayanan dari suatu institusi seringkali sangat erat kaitannya dengan kualitas pelayanan dari institusi lain, terutama dalam kaitannya dengan proses pertukaran data dan informasi dari dan oleh satu institusi ke institusi lainnya.

Proses pertukaran data antar institusi sudah sangat familiar pada kebanyakan pengguna teknologi informasi seperti adanya konsep EDI (*Electronic Data Interchange*) atau dengan menggunakan *Job Scheduling*, tetapi proses pertukaran informasi antar institusi tanpa harus mempengaruhi Sistem Operasi, Program Aplikasi dan struktur database dari masing-masing institusi belum begitu umum dilakukan.

Penggunaan SOA (*Service Oriented Architecture*) di Direktorat Jenderal Pajak (DJP) diharapkan mampu menjembatani proses *pertukaran informasi* antara DJP dengan instansi-instansi lain dalam Kementrian Keuangan dalam hal ini adalah pertukaran informasi wajib pajak antara Direktorat Jenderal Pajak dengan Direktorat Jenderal Bea dan Cukai (DJBC) pada proses Pemberitahuan Impor Barang (PIB) tanpa harus mempengaruhi Sistem Operasi, Program Aplikasi dan struktur database kedua-nya.

Kata kunci : *Electronic Data Interchange, Job Scheduling, Service Oriented Architecture, online, realtime, pertukaran informasi*