

## Analisis tingkat kematangan service oriented architecture berdasarkan oracle soa maturity model : studi kasus bank indonesia = Analysis of service oriented architecture maturity level based on oracle soa maturity model : case study xyz institution

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### Abstrak

#### **ABSTRAK**

Dalam mencapai visi dan misi, Lembaga XYZ merencanakan transformasi bisnis melalui implementasi paket solusi Commercial Off The Shelf (COTS). Penggunaan SOA kemudian direkomendasikan sebagai arsitektur utama bagi aplikasi COTS maupun aplikasi legacy. Dalam penerapannya saat ini, pengembangan sistem informasi masih dimulai berdasarkan kebutuhan yang terpisah di masing-masing departemen bisnis sehingga dapat menyebabkan kemungkinan terjadinya duplikasi service. Tujuan implementasi SOA nantinya ialah sebagai role model dalam penerapan SOA Strategy dan SOA Governance yang akan berlaku di Lembaga XYZ. Dalam menjawab permasalahan dan tujuan SOA, dibutuhkan suatu mekanisme evaluasi untuk memperbaiki kondisi yang ada. Oracle SOA Maturity Model diharapkan dapat menjadi landasan untuk mengetahui sejauh mana tingkat kematangan di masing-masing domain. Metode penelitian ini menggunakan wawancara berdasarkan karakteristik domain pada setiap tingkat kematangan dan studi dokumen Lembaga XYZ. Hasil penelitian yaitu tingkat kematangan SOA di Lembaga XYZ berada pada tingkat 1 (opportunistic). Artinya, departemen TI mulai mengenal SOA dengan menggunakan dan mengekspos services serta mendapatkan manfaat bisnis yang relatif sedikit seperti penggunaan kembali beberapa logika bisnis yang tertanam dalam sistem legacy. Penelitian ini juga memberikan rekomendasi peningkatan kematangan pada 8 domain yang ada. Prioritas diberikan kepada 2 domain terendah yaitu business & strategy dan domain organization.

#### **ABSTRACT**

In order to achieve its vision and mission, XYZ Institution has developed a business transformation plan through implementing a solution package named Commercial Off The Shelf (COTS). The use of SOA is recommended as the main architecture for COTS applications or legacy applications. At the current state condition, information system development in XYZ Institution is initiated based on different requests from each business department that can lead to the possibility of duplicate services. In fact, the goal of SOA implementation expected to be a role model in implementing SOA Strategy and SOA Governance at XYZ Institution. To answer the problem and the goal of SOA, an evaluation method is needed to improve existing conditions. Oracle SOA Maturity Model is expected to be the basis for assessing the level of maturity in each domain. This research uses interview method as research methodology, which based on domain characteristics at each level of maturity. Research result is the SOA maturity level at XYZ Institution is in level 1 (opportunistic). It means, IT departments are being familiar with SOA by using and exposing to SOA services, in which the benefits are still relatively small such as reusing some business logic embedded in legacy systems. This research also provides recommendations for increasing maturity in 8 existing domains. Priority is given to the two lowest domains, namely business & strategy and domain organization.