

# **PENGUKURAN TINGKAT KEMATANGAN DAN KEPATUHAN SISTEM INFORMASI AKADEMIK BERDASARKAN COBIT 4.1**

Nama mahasiswa : Silvia Rahma Amelia  
NIM : 3021510030  
Pembimbing : Renny Sari Dewi, S.Kom, M.Kom.

## **ABSTRAK**

Universitas XYZ merupakan instansi pendidikan yang telah menerapkan TI pada Sistem Informasi Akademik (SIKAD) dalam proses operasional. Walaupun telah digunakan sejak 2015. Namun, belum dilaksanakan pengukuran tingkat kematangan dan kepatuhan. Padahal, Keberadaan sistem informasi ini perlu diawasi maupun dipelihara dengan melakukan audit sistem informasi, agar keselarasan sistem informasi pada instansi sesuai dengan tujuan bisnis instansi. Berdasarkan latar belakang tersebut dilakukan penelitian audit SIKAD pada aspek menentukan dan mengelola tingkat layanan (Deliver and Support 1) berdasarkan Framework COBIT 4.1.

Berdasarkan hasil perhitungan tingkat kematangan diperoleh rata-rata indeks level 2.59 (2) / *Level Repeatable*. Artinya SIKAD Universitas XYZ telah pada tahap memiliki pola manajemen berdasarkan pengalaman proses yang telah berulang. Tetapi, pola tersebut belum memiliki standarisasi dalam dokumen resmi yang telah disahkan. Sedangkan, berdasarkan perhitungan tingkat kepatuhan diperoleh nilai 4.3%. Artinya tingkat kepatuhan dalam kerangka manajemen tingkat layanan SIKAD *Partially Achieved*.

**Kata Kunci : COBIT; tingkat kematangan; kepatuhan**

# **MEASUREMENT MATURITY LEVEL AND COMPLIANCE ACADEMIC INFORMATION SYSTEM BASED ON COBIT 4.1**

By : Silvia Rahma Amelia  
Student Identity Number : 3021510030  
Supervisor : Renny Sari Dewi, S.Kom, M.Kom.

## **ABSTRACT**

*XYZ University is an educational institution that has implemented IT in the Academic Information System (SIKAD) in its operational process. Even though it has been used since 2015, measurements of the maturity and compliance have not been implemented. In fact, the existence of this information system needs to be monitored and maintained by conducting an information system audit, so that the information system alignment in the instance is in accordance with the instance's business objectives. Based on this background, SIKAD audit research was conducted on aspects of determining and managing the service levels (Deliver and Support 1) based on the Framework COBIT 4.1.*

*Based on the calculation of the maturity level, it is obtained that the average index level was 2.59 (2) Repeatability Level. This means that SIKAD of the XYZ University has reached the stage of having a management pattern based on repeated experience of the process. However, this pattern did not yet have a standard in official documents that have been authorized. Besides, based on the calculation of the compliance level, it is obtained that the score was 4.3%. This means that the level of compliance in the management framework of the SIKAD service level Partially Achieved.*

**Key Words : COBIT; maturity level; compliance**