

ABSTRAK

Pengendalian sistem informasi manajemen risiko di negara berkembang saat ini diperlukan untuk meningkatkan kinerja dan memberikan dampak yang sangat penting bagi pengguna sistem informasi. Oleh karena itu, **tujuan** dari penelitian ini akan melakukan audit sistem informasi manajemen risiko pada Bank swasta untuk mengetahui tingkat tingkat kematangan yang telah diterapkan apakah sesuai dengan **metode** dengan menggunakan standar ISO / IEC 27001. Proses yang akan digunakan dalam **analisis** audit sistem informasi manajemen risiko ini berfokus pada annex 7. Manajemen Aset, annex 10. Komunikasi dan operasi dan annex 11. Akses kontrol. Hasil tahapan yang akan dilakukan adalah melihat kondisi saat ini sampai pada kesimpulan yang berawal dari tingkat kematangan bank bersangkutan. Dari **hasil analisis** yang diperoleh, tingkat kematangan annex 7 pengelolaan aset 3.2, annex 10 komunikasi dan operasi 3.9 dan aneex 11 access control adalah 3,7. Untuk mendapatkan level 4, Bank harus melakukan sedikit pengembangan karena nilai diffrence dari tingkat kematangan dari 3,9 ke level 4 adalah 0,1. Jadi, bisa dipastikan dengan kepatuhan dan dokumen yang ada di Bank dapat dijalankan sepenuhnya untuk mendapatkan hasil yang sesuai untuk masa depan. Dalam annex 11 yang membahas tentang akses kontrol bank, sangat bagus dan sesuai dengan SOP dan standar yang berlaku bagi Bank. Dari hasil implementasi bank mendapat nilai kematangan 3,7. Untuk mendapatkan tingkat kematangan 4, maka gap adalah 0.3. **Kesimpulan** untuk kedepan bisa mencapai tingkat kematangan 4 jika proses dan prosedur sub saran bisa berjalan dengan baik dan benar.

Kata kunci: Audit Sistem Informasi, Manajemen Risiko, Aset Manajemen, Indeks KAMI, ISO 27001

ABSTRACT

Control of risk management information systems in the developing world is currently needed to improve performance and provide a very important impact for users of information systems, especially to promote business berfokus on information systems. Therefore, it will conduct an audit of risk management information system at XYZ bank to determine the level of maturity level that has been applied whether it is in accordance with ISO / IEC 27001 standard. The process to be used in this risk management information system audit focuses on annex 7. Asset Management, annex 10. Communication and oprasi and annex 11. Access control. Stages that will be done is from seeing the current condition to the conclusion that results from the maturity level of the relevant bank. The role of ICT is also influential to advance and maximize the security of information systems in the company. Therefore, the calculation used is to use the information system security index and also the maturity level of XYZ bank. From the results obtained, the maturity level of asset 7 asset management 3.2, annex 10 communication and oprasi 3.9 and aneex 11 access control is 3.7. To increase the value of the maturity level of the bank, a process that must be carried out includes: There are several procedures and compliance that have not been executed by XYZ bank in the overall control of the management asset. Of the results obtained is 3.2 for the maturity level scale of 5 which means there is a gap of 1.8 for the value of compliance to achieve target 5. Tatapi, to achieve target 4, XYZ bank has gap analysis 0.8 to get level 4 in maturity Level. To get these levels, things that must be run can be seen in the sub suggestion on the next page. In annex 10 that discusses the Communication and Operations Management, the bank XYZ already done well and in accordance with the existing SOP at the bank. From a scale of 5, the bank has applied mutirity level with point 3.9 which can be interpreted that the gap in the annex is 1.1 to get level 5 on the maturity level. To get level 4, XYZ bank must do a little development because selilih value from maturity level from 3.9 to level 4 is 0,1. So, it can be ascertained with the compliance and the existing documents in XYZ bank can be run entirely to get the appropriate results for the future. In annex 11 that discusses the Access Control on XYZ bank, it is very good and in accordance with SOP and the standards applicable to XYZ bank. The bank. From the implementation of bank XYZ get maturity value 3,7. To get maturity level 4, then the gap is 0.3. For the future can be maturity level 4 if the process and procedures on sub suggestions can be run properly and correctly.

Keyword: Audit IS, Risk management, Asset Management, Indeks of security information system, ISO 27001