ABSTRACT

PT. XYZ Bank Surabaya is one branch of XYZ Bank, based in Surabaya. As a financial institution that is growing rapidly and has an increasingly diverse business activities, PT. XYZ Bank is faced with an increasingly complex risks. One of risk is information security risk, where information is a very important asset that must be protected security from unauthorized parties who will use it for such purposes or to destroy such information. Information security risks resulting from various factors, both internal and external factors.

Therefore, to anticipate or mitigate the likelihood of such risks, the need for a risk assessment. To performa risk assessment on this research using FMEA (Failure Mode & Effect Analysis) method, which is a methodology used to identify and evaluate potential failure, determine the level of risk of failure and priority to take the necessary action.

The output of this research is documents of risk management which there are Risk Register, is reports the results of risk management that contains a list of risk analysis
and credit risk control. So it can be used as a reference to handle any problems that occur in the information security of IT Division PT. XYZ Bank Surabaya.

**Keywords:** Information Technology Risk, Risk Assessment, Risk Mitigation, Information Security, FMEA Method