

ABSTRACT
IMPLEMENTATION OF RISK ASSESSMENT ON
INFORMATION TECHNOLOGY DIVISION IN PT. XYZ USES
ISO 27005:2008

By

MUHAMMAD TSANY MALIK ATHA NUR
1202154124

PT. XYZ is a company engaged in manufacturing military and commercial products in Indonesia. PT. XYZ has the application of risk management in the management of IT (Information Technology) and business processes in the IT division. However, the application has not fully assessed the threats to IT assets in the IT division and assessed the extent to which existing controls can reduce future threats and risks and their impact. Implementation and assessment of risk assessment of IT assets is carried out using ISO 27005 which is focused on managing / controlling IT risks. The application of risk assessment is carried out by referring to the risk scenario at ISO 27005. This study was conducted by identifying risk scenarios on IT assets based on the assessment of controls that exist at ISO 27001. The results of this study based on this background, risk assessment of IT assets generates level of risk has extreme values 2, high 4, moderate 24. Risk response to 6 threats that must be mitigated. Risk treatment such as planning and implementing disaster recovery, checking physical security functions to reduce the impact of fire and checking the alarm function in every room, insurance of all hardware to reduce the cost of damage, and adding capacity of web hosting or using it alternately. As a solution that becomes a recommendation for PT. XYZ as a guide in managing IT assets.

Keywords: ISO 27005, risk assessment, risk scenario, ISO 27001, level of risk, risk treatment