

ABSTRACT

Academic, human resource and financial service is a critical services for educational institution. As we know that a service is not separated from risks that can threatening service continuity. Risks that make service unusable will disturbing the operational activities , so that risks must be mitigated especially for service at Telkom University, that just formed have bigger potential failure than other institution.

Risks can be caused by several factor and can occurs in each layer of service especially network layer, so a plan to ensure the network continuity is needed or commonly called by Disaster Recovery Plan (DRP). DRP includes the plan for recover the network when a disaster occurs. DRP consist of network design and requirement that can meet the requirement of service availability in Telkom University especially for Academic, human resource and financial services.

This research use interview methodology for gathering data related the current condition of network and services. Recommendation was created based on study literature of several source and the need of network that has been analyzed through Risk Assessment and Business Impact Analysis. In this report, several technology alternative for logical network design and requirement including failover mechanism for different scenarios and generally failover method was resulted.

Keywords : *network continuity, fault tolerance, failure scenarios, network requirement, network design, alternative technology*