

ABSTRAKSI

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Program Studi : Magister Teknologi Informasi
Judul Karya Akhir : Penyempurnaan Rancangan Infrastruktur Disaster
Recovery Center Dalam Mendukung Disaster Recovery
Plan Bank X

Dalam rangka memenuhi regulasi mengenai persiapan dalam menghadapi *disaster*, Bank X telah melakukan antara lain membangun *continental hot site disaster recovery center*, menyusun *disaster recovery plan* dan melakukan uji coba pengaktifan *core banking system* di *disaster recovery center* sebanyak 5 kali dalam kurun waktu 5 tahun. Namun Bank X belum dalam mengimplementasikan *disaster recovery plan* dan mengaktifkan *disaster recovery center* jika terjadi *disaster* di *data center*. Hal ini disebabkan karena belum terpenuhinya kebutuhan bisnis berupa infrastruktur teknologi informasi dan komunikasi di *disaster recovery center*. Tujuan penelitian ini adalah memberikan konsep penyempurnaan rancangan infrastruktur *disaster recovery center* menggunakan konsep *data center consolidation*. Konsep *data center consolidation* merupakan alternatif untuk menyempurnakan infrastruktur *disaster recovery center* Bank X dalam mendukung berjalannya *disaster recovery plan* dengan cara mengkonsolidasikan server, storage dan jaringan komunikasi tanpa mengurangi performansi. *Data center consolidation* dapat memaksimalkan fungsi perangkat server, storage, dan komunikasi yang telah ada di *disaster recovery center* sehingga *disaster recovery plan* dapat berjalan.

Kata kunci : *Data center, Disaster Recovery Center, Disaster Recovery Plan, data center consolidation.*

XV+66 Halaman; 14 Gambar; 15 Tabel; 1 Lampiran

ABSTRACT

Name : Gunawan
Study Program : Magister Teknologi Informasi
Title : Completing The Infrastructure Of
Disaster Recovery Center For Supporting
X Bank Disaster Recovery Plan

Fulfilling the regulation about disaster awareness, X Bank build a continental hot site disaster recovery center, make a disaster recovery plan document, and did 5 times test for activating the core banking system in disaster recovery center for 5 years. But until now X Bank still can't activating disaster recovery center and implementing disaster recovery plan when disaster happen in data center. The main problem is the fulfillment of business requirements for the information dan communication infrastructure in disaster recovery center was not completed yet. The purpose of the research is giving a new concept using data center consolidation concept. Data center consolidation is an effective and efficient alternatif way for completing the infrastructure of disaster recovery center with consolidating server, storage, and communication without decrease the performance. Data center consolidation can increase usage for the server, storage and network in disaster recovery center for implementing disaster recovery plan.

Key Words : *Data center, Disaster Recovery Center, Disaster Recovery Plan, data center consolidation.*

XV+66 Pages; 14 Figures; 15 Tabels; 1 Attachments