

Major Computer Science
Sarjana Komputer Thesis
Semester Even year 2007/2008

**IMPLEMENTING STORAGE AREA NETWORK AS THE SOLUTION TO
STORAGE AND BACK UP MANAGEMENT**

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ABSTRACT

Objectives

The objective of this thesis is to research if storage area network can or cannot be the solution for storage and back up management. Nowadays, data has grown in an enormous amount and it grows very fast too. To anticipate it, an excellent storage management is highly needed, especially for large organizations that heavily rely its core business on Information Technology infrastructure.

Method

Information gathering from books and the Internet is conducted to get the theoretical foundation of this solution. For the practical result, a survey is conducted. There is also learning from several real experience case studies.

Results

After the learning, writer gets the result that storage area network is really working and indeed an excellent storage solution that can solve the problems in storage and back up management. Thus, due to its initial investment, it is not widely implemented. The industry that affords and highly need to implement this solution mostly comes from the financial service industry.

Conclusion

In conclusion, choosing a storage solution that can answer the needs in storage and back up management of an organization will depend on the urgency and policy of the organization itself. Storage area network suits best for organization that put IT infrastructure as a critical point to run the business and need to manage a huge amount of data and along with that need to anticipate its fast growth as well.

Key words

Storage Area Network, Fibre Channel

PREFACE

First of all, I would like to thank God for His blessing I could finish this thesis. Then, I would like to thank everyone that has helped and supported me during the period of writing this thesis, especially to my beloved parents, my sister and my friends. I will never able to complete this thesis without their help and support. I particularly would like to show my greatest gratitude to my supervisor, Mr. Nurhendra W. Suwarsono, for the guidance; Mr. Yuan Rahartha from AIG Life and Mr. Yannes Chandra from Great Eastern Life Indonesia for the information given; all other companies that have provisioned the information needed and participated in the survey; my friends who has helped me in the survey and support me during the process of completing this thesis, especially for Adriadi, Hemi, Jimmy, Fransisca, Albert, Winston, Marlisa, Steven and many more and also other important party that I cannot mention one by one.

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