

## **ABSTRACT**

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Nowadays, network attached storage (NAS) or the server that serve file access, share and storage centralized is not a new thing. Utilizing network attached storage is important for a IT enterprise or non-IT enterprise as data storage source centralization and hosting file to make user sharing file, accessing file and saving file easily in order to cut down storage on user's computer.

With using Personal Computer Desktop, a student community of degree on Telkom university can build network attached storage in order to make data storage system and share file centralized and structured well.

Base on implementation result, the network attached storage server at student community of degree on Telkom University can resolve student community's data management problem which is not centralized and structured before, become more centrally and more structurely by using directory hierarchy and permission file to user who wants to access data. So that give a effectiveness and efficiency on storage and data management.

Keywords: Network Attached Storage , directory hierarchy , hosting file user