THE ARCHITECTURE OF DELAY TOLERANT NETWORK (DTN) FOR SERVER IN RURAL AND URBAN AREA SERVERS TO SUPPORT E-TEACHING SYSTEM IN FUTURE IMPLEMENTATION

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ABSTRAK

Unstable internet connection in remote area between urban areas make people in remote area cannot enjoy the internet connection. It made the difficulty for people in remote area to follow the development of technology. DTN emerged as a solution to overcome the problem of imbalance. DTN is able to provide internet connection for remote areas. Built two server that is server-desa and server-kota based on DTN. Later server-desa and server-kota will send each other and receive files on unstable networks. Store and Forward method make DTN can work in unstable internet connection or remote area. Given 3 conditions during which file delivery when both servers are connected, one server is disconnected, and the delay time is experienced until the file is received. From these conditions can be concluded that DTN can run well even in unstable internet conditions. Files that are sent can also arrive at destination with a certain delay.

Kata Kunci   :   DTN, remote area, server

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Unstable internet connection in remote area between urban areas make people in remote area cannot enjoy the internet connection. It made the difficulty for people in remote area to follow the development of technology. DTN emerged as a solution to overcome the problem of imbalance. DTN is able to provide internet connection for remote areas. Built two server that is server-desa and server-kota based on DTN. Later server-desa and server-kota will send each other and receive files on unstable networks. Store and Forward method make DTN can work in unstable internet connection or remote area. Given 3 conditions during which file delivery when both servers are connected, one server is disconnected, and the delay time is experienced until the file is received. From these conditions can be concluded that DTN can run well even in unstable internet conditions. Files that are sent can also arrive at destination with a certain delay.

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