

ABSTRACT

THE INFLUENCE OF USING WIRELESS MEDIUM AS A BACKBONE ON THE NETWORK INFRASTRUCTURE LAN AND WLAN. STUDY CASE ON NETWORK OF KAMPUS - A POLITEKNIK KESEHATAN DEPARTEMEN KESEHATAN TANJUNG KARANG.

Oleh

BUDI UTAMA

Choosing the correct transmission media on establishing data communication network is very important to guarantee the success of need fulfillment of organization's system. Basically, wireless medium is a long distanced transmission media that used to replaced guided media that used only for point-to-point transmission because of the losses on it. The use of wireless medium as backbone on network infrastructure of Kampus – A Politeknik Kesehatan Departemen Kesehatan Tanjungkarang obviously can influence the performances of the network. Impacts that seen along research shows that wireless medium can demote performance of throughput on whole network down to -75% and increase delay up to 44 times on network infrastructure of Politeknik Kesehatan Departemen Kesehatan Tanjungkarang Kampus – A.

Key words: wireless medium, wired medium, throughput, delay.