

ABSTRACT

Wi-Fi Flashzone-Seamless is the latest technology from Telkomsel that utilizes Telkom Wi-Fi network as an additional cellular networks to support data services. The purpose of Wi-Fi Offload Telkomsel is to give an experience of high speed and stability internet and more convenient for Telkomsel data packets customers. Currently flashzone-seamless that used by customers of Telkomsel is free of charge to use the WIFI network with the SSID flashzone-seamless to all customers who have subscribed to flash data packet. In the future, PT. Telekomunikasi Seluler, Tbk and PT. Telekomunikasi Indonesia, Tbk want any additional revenue from flashzone-seamless, WIFI network also need for packages that can be purchased by customers, as well as on mobile packet data. Therefore we need a system that can handle the charging policy on WIFI. Based on these objectives we need an analysis of the charging policy system in Indonesia Wi-Fi (ssid: flashzone-seamless).

On this final project research, will be done a study case on Indonesia wifi network configuration. Where in the existed network configuration, there still can't implementing policy charging system.

The final project result is produced appropriate network configuration to serve Wi-Fi Flashzone-Seamless service that supports the policy charging system with success rate 94,8% and availability 98,85%.

Keyword : internet, seamless, policy charging, Wi-Fi, wireless, volume, quota