

ABSTRACT

The use of the name of the *SSID* on each device access points in an organization / a company is often done based on the location where the placement of the access point device is installed, so there will be plenty *SSID* name at each location. Utilization of a feature on a device access points are rarely optimized by the user so that the management of the access points would need considerable time to configure a device access points.

Due to the lack of a system of centralized management of access point that can be used to configure the access point., in this research design and implementation of single *SSID* by using a feature *CAPsMAN* to manage access points that are implemented in the Laboratory of Information Engineering, in operation, to use or configure a single *SSID* is assisted by *winbox* application. Management access points are also needed to improve the quality of network services to students

In this final project will be discuss about the configuration and deployment of single *SSID* on the access points. Configuration is also applied to the device has the ability to minimize the occurrence of overload at any point of access points. Implementation of a single *SSID* has been tested and successfully used in laboratory informatics engineering.

Kata kunci: *single SSID, winbox, mikrotik, CAPsMAN*