## ABSTRACT

The use of internet are familiar with the Access Point. Access Point as a hub/switch the function to connect the local network with the wireless network/wireless. On a daily basis, the Access Point that is widely used by the public is too complex because of the need to use cables to connect to the network and still use one data connection resource that is causing the high possibility of a lost connection (request time out). This can be overcome by building Mobile Access Point based Single Board and implementation of Failover on a 3g modem. Mobile Access Point was chosen because it is more flexible and use the Single Board Computer which is much smaller than the Access Point in General. Application of the method of Failover success two resource data connection. One resource will serve as backup connection when the primary resource connection is experiencing request time out (lost connection).

Keywords: Access Point , Lost Connection, Failover