

## ABSTRACT

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Bekasi Mandalahayu Foundation is engaged in education was established in 1987. In Bekasi neighborhood Mandalahayu Foundation used the Internet to support teaching and learning process. Currently the wireless network before there is only one access point located outside the teachers' lounge this causes a problem on the network in teacher's room. The problem is the number of users that access to the wireless network is causing Limited Access and there Blank Spot to reach the internet in the teachers' lounge.

Wireless technology used is the wireless distribution system, a solution to solve the problem is to put the access point effectively so that all wireless network covered the teachers' lounge. Mounting the access point has reached the position of the teachers' lounge area. Application of wireless distribution system has been running. Each user has an user authentic.

Keywords: Wireless, Wireless Distribution System, Access Point, Mandalahayu Fondation, Single SSID