

## ABSTRACT

High speed internet service is a very desired by each customer considering the number of users who need Internet technology to support all activities. But in fact high speed internet service was unable to cover customers who conduct activities in the room and it is this which makes many users feel comfortable and satisfied with the services provided operators.

In handling these cases required a methodology development and improvement of the quality of high speed internet service (HSDPA) in a room (indoor). The development methodology of designing indoor HSDPA networks are expected to answer all customer complaints related to Internet access needs are considered less. In the selection of the place, the authors do a design on the campus of the Institute of Management campus Telkom Dayeuh Kolot.

On this campus is the central gathering place for the academic activities of the campus and is well worth Geger Kalong serve as a case study design because of its strategic location and also includes one of the campus that has a user density of Internet users is very high. Based on the results walktest conducted, Telkom Management Institute campus has received power quality is very bad for internet service, therefore the design is feasible. From the results of the performed design, HSDPA signal quality on the campus of the Institute of Management Telkom showed levels  $<80\text{dBm}$  of RSCP value on each floor. This suggests a change in received power quality design outcome that has been done

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