

## ABSTRACT

The growing of information technology have entered almost in all life aspect. This matter result request of telecommunications service will progressively mount. To overcome limitation of spread out of cable network, one of used by telecommunications technology is local network access radio or Wireless Local Loop (WLL), exploiting radiation of radiowave as medium of forwarding of information (data goodness and also voice), between subscriber local centrally [in] the local central service district.

Technology WLL used in Tasikmalaya city in this time is DRMASS (Digital Radio Multiple Access Subscriber System) and DCTS (Digital Cordless Telephone System).

At this Final Duty will be explained hit planning of Cell Station at WLL system . With accurate and ripe planning, obtainable expected system with good quality and the high mainstay so that earn to gratify its subscriber. Intention of planning this is to get appropriate level sinyal for link planning by paying attention to various aspect, among other things determination of used antenna, type in order to be obtained by optimal coverage, environmental condition influence of planning, and also location of Base Station And Cell Station.

This planning supported by systematic simulation in the form of depiction of path profile, calculation of coverage cell prediction and link calculation. Obtained to the result from calculation indicate that accepted level sinyal ( RSL) for a few link have as according to determined corridor RSL.

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