

ABSTRACT

Weakness of flexi signal in around RSUD DR. ADJIDARMO Rangkasbitung is caused by this area is not covered by macro BTS of Flexi as well. Whereas RSUD DR. ADJIDARMO is one of areas that is come by people in Kabupaten Lebak, Banten.

The Hospital is also one of business areas in the world of telecommunication. Where people who come not only sick people but also people who just look in on. Beside that, telecommunication service is really needed by the patient's family in the hospital for giving information about condition of patient especially in urgent condition to other.

The purpose of this final project is design of Flexi's indoor BTS in RSUD DR. ADJIDARMO Rangkasbitung by using RPS (Radio Propagation Simulator) Simulation and AutoCad for draw blueprint of this hospital. Design of this Flexi's indoor BTS is begun from drive test for knowing value of emittance from surround BTS as basic of design. Finally, result of planning to get Rx level over -80 dBm.