

ABSTRACT

Telecommunications technology has become an important requirement for everyone. But in fact, the facility has not been felt by the elements of society who live in remote areas, disaster-prone areas, and disadvantaged areas, due to the vendor of the operator only focus on urban areas.

Therefore, needed a technology that can help people in rural areas, disaster-prone, and disadvantaged areas so that the impact of the development of telecommunications technology can be felt by the community. Yate Base Transceiver Station (YateBTS) is a telecommunications technology breakthrough that could be a solution substitute for Base Transceiver Station (BTS), which serves as a communication link between mobile phone users are relatively inexpensive and easy to implement for rural areas, disaster-prone, and disadvantaged areas are rarely touched by the vendor network operators, especially in the construction of Base Transceiver Station (BTS).

Keywords: Telecommunications, Mobile Phones, YateBTS, USRP.