

ABSTRACT

Taman Mini Indonesia Indah is a potential tourism who visited by many tourists, local as well as foreign tourist , especially on holidays. There are many kind of object in Taman Mini Indonesia indah is a museum, custom homes, zoo, and etc. Taman Mini Indonesia Indah is stand on a hustle or a densely populated city. Based on the population density and the number of visitors during the holidays, it need a network access, especially gsm signal 2G and 3G are often impaired because Overload traffic load on the network gsm signal in the region. So by looking at the problem, there are solutions to build BTS Hotel (Microcel) in Taman Mini Indonesia Indah.

The construction of BTS Hotel include Map Overview, Drive Test, Project Planning and Project Implementation. The Transmission who use at the BTS Hotel is Fiber Optics Layer 1 in order to reduce the loss on Fiber Optics.

Development of BTS Hotel can help Overload Traffic load, providing large data capacity, good transmission and can reduce loss, and a solution of banning construction of BTS Conventional (Macrocel) in densely populated areas such as Jakarta Especially Taman Mini Indonesia Indah.

Keywords : BTS Hotel, Map Overview, Drive Test, Taman Mini Indonesia Indah.