

## ABSTRACT

Sistem GSM support according to network will access to make a move internationally and enable communications usher an amount of consumer. Privasi of communications and valid access guaranteed in interface radio.

GSM Indoor represent one of medium to conduct communications link from one place to other place having the character of cell system ( cellular) start from provider of generating signal till to consumer client.

One of operator GSM that is satelindo have designed GSM Indoor in Hotel Grand Mahakam Jakarta to increase service effectiveness. At scheme indoor, started from survey location, measurement of channel point, coverage area, installation, radio planning test accepted a peripheral ( antenna coupling of BTS-ANTENA Ground Floor).

Measurement Point cover measurement of level of acceptance of sinyal  $R_x$  to determine coverage area which can be used to serve client;subscriber. Result of measurement obtained by a condition data operate for with level of acceptance of Minimum sinyal  $R_x$  level - 85 dBm and 95 % fullfiled