

ABSTRACT

Government as telecommunication regulator, that is Departement Communications and Information (Depkominfo), required each local fixed phone network providers to build telephone facilities that appropriate and acceptable in this age. Official regulation mentioned in **Kepmenhub No.KM.20/2001** and **Kepmenhub No.KM.21/2001**.

PT. Telkom Tbk. as one of the organizer of biggest local fixed phone network provider, prepare card call box base on wireless by using CDMA technology. Placements of card call box facilities, as telecommunications facility generically, prepared not only based on quantity but also consider at benefit principle. The purpose is to warn off card call box facilities not to rivet on one place or concentration at one particular just certain location. Therefore, placement off card call box facilities required a management in order to optimalization the facilities.

Card call box based on wireless geographic information system is decision making and analysis system for placement of card call box facilities based on wireless. This system is used also as previous call box service database, TUC. Decision making pursuant to aspect of demand, technical aspect and market aspect. aspect of demand means of service area which have been served or location - coin call box location (TUC) eksisting. While such technical aspect are everything supporting operational of TUK base on wireless, and such market aspect mean of Central Bussiness District (CBD), like facility - facility public service.

Usage of SIG support is localization for public facility which provided by PT. Telkom so that facility of TUK base on wireless more flatten in its service. This application support decision making of facility location of TUK service more flatten to society so that demand which not yet been served to earn fufill, technically TUK walk better and also remain to pay attention existing market, that is locations of CBD or of POI.

Key Word: Geographic Information System, Card Call Box, Wireless