

ABSTRACT

Nowadays, business and mobility of public transportation users grow rapidly, followed by growth of society especially in big cities. Taxi is a public transportation which is used most by people to ease their daily activities such as work, go to school, etc. The service in the order system which is now given by taxi service company seems still less effective for the customers in ordering taxi. Lateness and cancellation of the ordered taxi is still felt by the users by using call center system. This becomes a problem in ordering taxi among society's activities.

Based on the problem above, in this final project an efficient system is made to ease the taxi users in ordering taxi. This system is an application used in a smart phone which is use Android operating system that connected to the server through mapping by GPS to ease position tracing of the nearest taxi from the user. The nearest taxi tracing is done by the server based on user's position and server also traces the taxi which does not have any passenger. The chosen taxi will be displayed as map so the user can adjust the ordered taxi's arrival.

The using of this system can make the interactive order process easier and directly connected to the taxi driver. To survey success level, then MOS (Mean Opinion Score) test is held, that is based on the society opinion about the using of this application. From the survey result, it can be concluded that this application can make taxi order process easier.

Keywords: Taxi, GPS, Android