ABSTRACT

Currently the navigation system increasingly widespread in the automotive market. But our navigation system in this era doesn't be applied only on automotive. The pedestrians or the tourist who have a smartphone on their hand can also use this GPS based service on their own device. But the display that currently used by most of navigation system in this world only used abstract metafora such as map or reflection view of the real situaion. This thesis presents a mobile navigation system based on augmented reality that gives the exact position as the Global Positioning System as usual, but combines the 3D appearance of reality and augmented reality will be the guiding arrows for navigation.

This final task will I apply to the mobile operating system Android. Android is a mobile operating system which is very popular at present and predicted as the operating system that will grow very rapidly in the future.

In this Final Project will be built applications based augmented reality navigation system. Where users will be more comfortable using the navigation-oriented world view and can enjoy the GPS navigation so that the view from the navigation look more real and interesting.

Keywords: Augmented Reality, Android, Global Positioning System