

## **Abstract**

Positioning is very important for human being, in order can move in the right direction. Many kind device that can help for navigation are Map, Compass, GPS (Global Positioning Satellite), and Radar. One of device kind that can help navigation is the compass. Compass is device that can always direction point toward north position, with comparing north direction and south direction on compass and compared to the north of the Map, can know position on the map.

This Final assignment will study and implement digital compass using CMPS03 sensor for mobile robot and the result will be shown in LCD (Liquid Cell Display) in coordinate. And this application can be a digital compass for navigation.