2.0 INTRODUCTION

2.5 RELATED WORK

2.6 SUMMARY/

CONCLUSION

**FOOD CATCHER USING LOCATION-BASED**

**VIA MOBILE APPLICATION**

2.3 Searching Method

2.1 GPS SYSTEM

2.2 Database

2.4 Mobile Application

2.2.1 Firebase API

Firebase is a google provided API for database storage and syncing into your android, IOS or web applications. (N. Singh, 2016)

2.1.1 Algorithm to detect the nearest location of a map

Google Maps is a map service provided by Google and that can be viewed in a web browser; Google Maps API. (M. Chamikara, Y. Yapa, S. Kodituwakku et al.)

2.4.1 Android Studio

Android developers can easily write application code that can make mobile hardware more useful and user friendly. (A. Singh, 2016)

2.3.1 Shopbot.

It searches the nearby shops of the user that sell the desired product with the lowest price. (K. Chan, T. Cheung, S. Lai et al.). This method can be implement in my project for searching the nearest food outlets.