"What to Cook?" Mobile Application

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Abstract—Home-cooked food provide many benefits. However, due to current lifestyle, people tend to takeout food or order fast food. This project address the problems where people have trouble on what to cook based on the limited ingredients, they have to spent some time in order to search for the recipes which do not contain ingredients that they are allergic for them to cook and also they need to know the allocation time to prepare the food which is suitable to them. In order to solve the problem, modified waterfall methodology was applied. It consists of three phases which are requirements gathering and analysis phase, design phase and implementation phase. Three objectives have been achieved after the project have been completed, which are gathering and analyzing the requirements needed for developing the mobile application, designing the mobile application according to the requirements that has been analyzed and developing a mobile application that can recommend a variety of recipes for people to cook based on the available ingredients and to exclude recipes that contains the allergy ingredient. Last but not least, an Android mobile application with three features is the result of this project. The features of the application are people can search for recipes either by entering the ingredient, allergy ingredient or time for food preparation.

Keywords—*mobile application, food recipes*