

SUPERVISOR'S APPROVAL

ALL-IN-ONE PC BUILDER AND BOTTLENECKER APPLICATION

By

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This report was prepared under the supervision of the project supervisor, Madam Zarina Binti Zainol. It was submitted to Faculty of Computer and Mathematical Sciences and was accepted in partial fulfilment of the requirements for the degree of Bachelor of Science (Hons) Netcentric Computing.

Approved by

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Project Supervisor

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In the name of Allah, the Most Merciful and the Most Compassionate.

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ABSTRACT

The common problem in building a brand new PC for beginners is the lack of information on what part to choose and which component suitable within their own budget. This mistakes is too common that can cause serious damage to the PC in the long term run. A lot of first-time builders spend less than they should or vice versa on the components that are going to dictate what kind of performance they will get. Furthermore, they sometimes overspend on the components that do not have big impact on their system performance. Current trends of getting information are using portable devices such as mobile phones, tablet and others. This trends allow PC shops and retailers owner to promote their business using mobile application to elevate business growth. There are no medium or application that display list of nearby shops based on the location retrieved from mobile devices. Thus, the objectives of this project are to create a hybrid mobile application that can assists them on choosing the right parts with suitable budget depends on their choices.

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Chapter 1

1.0 Introduction

This chapter will provide an overview of the research project and discuss about the research background, current problem statements, research objectives, research scope, significance of research, and limitation of research

1.1 Project Background

Having to build your very own PC for the first time would be a great experience but it is not as easy as you think. Building PC for a new user would be really hard and quite confusing. The needs of knowing each parts and which cables to go through would be a heck of a burden to the new user. Building your own PC is not some arcane art or esoteric skill that only the most hardcore of hardware geeks can pull off. In fact, assembling a DIY PC is pretty straightforward once you have settled on your parts list. Brad, C. (2018, Jan 30). How to build a PC: A step-by-step guide. User tends to look up information regarding build their own pc but retrieved more than misleading information.

Averagely new users are lacking of skills on building a PC from scratch. A study by the international Organization for Economic Co-operation and Develop group, the OECD conducted a study of 215,942 people across 33 countries from 2011-2015 sees that people aged 16-65 have “below level 1” tech skills. Eric, R. (2016, July 12). This Chart Shows How Computer Literate Most People Are. This shows that most users have very low technical skills on building a PC either in picking up the parts or having