

UNIVERSITI TEKNOLOGI MARA

**DEVELOPMENT OF MOBILE CHILD MONITORING
AND CONTROLLING SYSTEM**

NUR HUDA HUSNA BINTI AZNAN

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ABSTRACT

Parental control application was created to assist parents in controlling and monitoring their children and hence, reducing the number of missing children, cyberbullies, health issues and other issues. The use of GPS (Global Positioning System) will be a part of this system. With the help of Google Maps, GPS will calculate the coordinates of the child's whereabouts and send them immediately to the parent's smartphone. In addition, parent can control the time limit usage for children, with this child will not overused played with their smartphone. Parents also can monitor and control what kinds of applications that has been installed in their smartphone and can block or uninstalled the applications where is not suitable for their children. It will list the applications and time used of applications, so parent can be more alert to monitor their child. There are two applications which is for child and parents, that's mean both parent and child need to install this application. With all these possibilities, the growing access of children to internet become more persistent in their lives.

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CHAPTER 1

INTRODUCTION

1.1 Background

For a number of purposes, mobile phones are used for keeping in touch with relatives, carrying out business and access to the telephone in the emergency situation. For various reasons, some people bring more than one mobile phone, such as for work and personal use.

Nowadays, a mobile phone seems importance to all people including children. Mobile phones are effective devices for communication and make life simpler. In every part of the world, mobile phones help people to connect to others, whether to find a friend or to follow up with a new contact. The most popular medium used by kids to access the internet is mobile phones. Children use mobile phones more frequently to access online information than they do computers because it's much convenient. Some typical internet activities that kid interact is socialization, access to entertainment, and the acquisition of study tools through mobile phones. This shows that the mobile phone is importance to children.

Living in a digital era has made it even more difficult for our homes and families to be safe from threats that we cannot easily see (Roncevich, 2019). Technology is everywhere as our home become smart homes and schools that have early-age online education platforms (Roncevich, 2019). Although the adult world may seem to be host to malware attacks and cybercrime, cyber criminals frequently target children and children and teens are most interested in chat rooms, social media, video streaming sites and online video games (Roncevich, 2019).