

**Universiti Teknologi MARA**

**MisKid: Missing Kid Mobile Application for  
Peninsular Malaysia**

**Siti Nor Aisyah Binti Mohd Tahir**

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## **ABSTRACT**

The era of Information Technology has become an important part of our basic life. Living in the community, there is a possibility that crime could happen in this technological era. For example, robbery, child abuse, kidnap that is taken care by the police. To be part of the community, people must work together and aware of the issues. MisKid mobile application is focused on spreading news about missing kids around Peninsular Malaysia. Nowadays, people prefer mobile apps because it is more practical and easier to access. MisKid also helps in enhancing the level of awareness among the community because it provides a push notification to every user. The main project objectives are to identify, design and develop MisKid mobile application. Basically, MisKid is for public usage but focus on community and it is runs on Android platform. This mobile application is in Bahasa Melayu since the language used in PDRM portal is the national language. Moreover, the methodology used to develop the MisKid mobile application is Mobile Application Development Lifecycle (MADLC). MADLC has five basic phases which is identification, design, development, prototype and testing. MisKid mobile application been developed by using Java and XML script coding in Android Studio software. The outcome of developing MisKid is the level of awareness of the community is increasing. The push notification helps a lot in order to spread awareness among the user. Every update about missing kid will be updated in this app and notify the user about the updates. User can directly call police by clicking the call button. Next is the engagement level of the community with the MisKid application is strong based on the user testing done. People will keep engaging with the application that gives them benefits and time-to-time notification. Meanwhile, MisKid mobile application is been developed for user side interface only. After that, the attachment level of the community with the MisKid mobile application is high because people get attached to some application that is easy to use and accessible. For future recommendation, MisKid should allow user to interact with the police by provide user reports through the apps and provide database that stored detail information about all children in community in Malaysia.

**Keywords:** Java and XML, MADLC, spreading news, Android platform, push notification and missing kid app

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# CHAPTER 1

## INTRODUCTION

This chapter provides the project background and problem statement for developing MisKid: Missing Kid Alert Mobile Application for Peninsular Malaysia. It also gives details of the project objectives, scope and limitations and project significance for this project and not to forget the conclusion and suggestion in developing this mobile application.

### 1.1 Project Background

To be a part of the community, people must work together and be aware of issues that may arise. For example, we are about to face an emergency situation like a missing child. Missing child cases is taken care of by Emergency and Rescue services. The establishment of certain bodies that help in distributing these missing cases is very helpful. Law enforcement has felt the need to respond immediately when a young child is kidnapped or missing (Findlay & Lowery, 2011). Emergency services refer to the services that the public can call directly for example police. It is such as a system that is defined as a high-speed, emergency alert telephone service that can send personalized, pre-registered emergency messages directly to homes and businesses (Tumalavičius, Ivančiks, & Karpishchenko, 2016).

During 2017, statistic shows four children go missing in a day on average (Vignes, 2019). In Malaysia, children were protected under the Children Act 2001 for their health, protection and welfare ("Child Act 2001 in protecting children", 2018). Due to the low awareness about child missing lead to the high number of missing child statistics. The impact of the low level of awareness about missing children is the child would not be found or found dead.