





# MYCHILDCARE: DEVELOPMENT DAILY REPORT OF MOBILE APPLICATION USING ANDROID STUDIO FOR PARENT AND TEACHER











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LAPORAN PROJEK TAHUN AKHIR DIKEMUKAKAN BAGI MEMENUHI SYARAT UNTUK MEMPEROLEH IJAZAH SARJANA MUDA KEJURUTERAAN PERISIAN (PERISIAN PENDIDIKAN)

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	Using Android Studio for Parent and Teacher

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(Puan Asma Hanee Binti Ariffin)











#### APPRECIATION

Alhamdulillah all praise be to Allah the almighty, I want to take this opportunity to thank you for your support and encouragement while I worked diligently to complete my thesis. That is a noteworthy achievement and a reflection of my dedication to academic success.

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I pushed myself throughout the process to study the subject in greater depth and to look beyond the obvious answers. I'm happy to report that I succeeded in achieving this objective and creating a well-rounded, thought-provoking piece of work.

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In closing, I'd want to congratulate myself for finishing my thesis successfully and wish myself well in all my future undertakings.



















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#### **ABSTRAK**

Pendidikan Awal kanak- kanak merupakan peringkat yang penting, dimana ibu bapa memegang tanggungjawab yang besar. Ibu bapa perlu memainkan peranan utama untuk pendidikan awal kanak-kanak, ibu bapa perlu mengekalkan komonukasi bersama guruguru mengajar di tadika. Sementara itu, guru memainkan peranan penting juga dalam kelas untuk menarik minat kanak-kanak. Oleh sebab itu dengan aplikasi ini ibu bapa dan guru lebih memahami aktivti kanak-kanak dalam kelas dengan menggunakan methodologi incremental. Semasa fasa ujian, Skala Kebolehab Sistem (SUS) telah digunakan untuk menilai kebolehgunaan, kefungsian dan kebolehterimaan, digunakan untuk mengukur kejayaan produk. Sistem aplikasi mudah alih ini diwujudkan bagi memudahkan ibu bapa dan guru untuk pendidikan awal kanak- kanak. Akhir sekali, diharapkan sistem aplikasi mudah alih ini dapat meningkatkan komunikasi ibu bapa dan guru lebih memahami kanak-kanak.





























#### **ABSTRACT**

In the pivotal stage of early childhood education, the weight of parental responsibility cannot be overstated. As the foundation for a child's learning and development is laid, it is crucial that parents actively engage in their child's education and maintain open lines of communication with teachers. Meanwhile, teachers to play a vital role in shaping young minds within the classroom. In recognition of the importance of parentteacher communication, a revolutionary mobile application has been developed using the incremental methodology. This innovative tool serves as a bridge, connecting parents and teachers, ensuring that no child falls through the cracks as they embark on their educational journey. During the testing phase, the System Usability Scale (SUS), which is used to assess usability, functionality, and acceptability, is used to gauge the product's success. This mobile application system was created to make it easier for parents and teachers to provide early childhood education. Finally, it is hoped that this mobile application system would improve parent and teacher communication.



























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#### **APPENDIX LIST**

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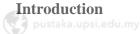




#### **CHAPTER 1**

#### INTRODUCTION











Resilience research indicates that during the early childhood years, it is important for children to have good quality of care and opportunities for learning, adequate nutrition and community support for families, to facilitate positive development of cognitive, social and self-regulation skills. Young children with healthy attachment relationships and good internal adaptive resources are very likely to get off to a good start in life, well equipped with the human and social capital for success as they enter school and society (Masten, Gewirtz, & Sapienza, 2006).

In modern days parenting is hard for some people if they focus on their career. Parent had to work hard to make money for living, this makes parent spending less time with their children in aspect social and academic. For example, parent work for 6 week and 8 hours per day and only had around 5 until 7 hours after work for their time to





















spend with family. So, in this chapter researcher will discuss the project background, problem statement, objectives, scope, and project significance.

#### 1.2 Project Background

Malaysia is a developing country the population of Malaysia children increase each year, a statistic by Mohd Uzir Mahidin (2018) showed that the total population children are 32.4 million under 18 years of age while under 5 years in 2018 is 2.5 million. The highest percentage of children under 18 was recorded in W.P. Putrajaya which is 49 per cent from total population. Mohd Uzir Mahidin (2018) stated the enrolment in private kindergarten increased in 2016 to 2017 which recorded 332.6 to 364 thousand. This show that parent attend to send their children to private kindergarten.

Parent often think that kindergarten teachers is responsible for their children education, but the main factor is parent and teacher play a major role in early childhood education. So, parent and teacher need better communication to develop the progress of the children. Effective communication between teachers and families provides the two parties with a deeper understanding of mutual expectations and children's needs. This enables both parties to effectively assist children and to establish a basis of cooperation (Conderman, Johnston-Rodriguez, Hartman, & Kemp, 2010; Epstein & Sanders, 2006).

Therefore, a mobile application had been decided by researcher to develop to keep teacher and parent to see the progress the children growth in education. This project will use android studio to make daily report by teacher to parent can monitor the children. The application that researcher had provided can benefit the teacher and parent communication in early childhood education faster and more efficient.





















#### 1.3 Problem Statement

The first problem kindergarten still uses traditional report paper or book for communication to parent. A parent-teacher relationship is seen as a one-way process if teachers inform or instruct parents (Tett, 2004), and the parents' role is that of the passive receptors of expert advice (Cheatham & Ostrosky, 2011; Gwernan-Jones et al., 2015). By using the application is more interactive to see the progress and can make immediately respond to their children.

Second the problem when parent do not had time to see the progress of children growth in education. Problems in learning and self-control often begin in the preschool years and are related to the quality of available parenting (Masten, Gewirtz, & Sapienza, 2006). So, parent need to support their children in every situation.











#### 1.4 Research Objectives

The objectives for this research are:

- a) To identify the problem related in early childhood education.
- b) To develop prototype of mobile applications using android studio based on the problem discover early in childhood education.
- c) To test the functionalities of prototype developed in mobile applications using android studio.





















#### 1.5 Scope

The main function of this mobile application is to monitor the children progress at kindergarten, so teachers and parents had better communication with each other. Furthermore, the contain of this application that teacher can update daily report so that the parent can view it. For the target user we focus on parent and teacher to make better two-way communication. Finally, this application is more suitable in the urban area where had better internet coverage.

#### 1.6 **Project Significance**

The development of this mobile application will focus on parent able to see children activity or progress at kindergarten recently. Parent will get information what are os 450% currently children are doing. Also, parent able know the progress of their children.

The mobile application also will help teacher able to the children progress learning. Teacher can plan their classroom learning what they should do to make children enjoy and learning at same time.

#### 1.7 Conclusion

Parenting play major role for their children education in early childhood, parent need have good communication between teachers to know the progress of their children. Meanwhile teacher also play crucial role to their children in classroom.









