UNIVERSITI TEKNOLOGI MARA

THE DEVELOPMENT AND INTEGRATION OF SMART CURTAIN AND ALARM CLOCK

ZUHAYRA NASRIN BINTI ZAINUDIN

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ABSTRACT

Everyone has different sleep personality. With a proven statistic, people still having problem with waking even with the help of alarm clock. Not only that, the use of Smart Automation has been widely used as the evolution of technology is increasing. In this project, it's specifically indicates toward heavy sleepers who might have problem with waking on time; moreover, this project helps to lessen chores by using the curtain automation. With some references from previous projects of Smart Curtain automation and Digital alarm clock, many solutions has been come out to evolving this new technology, furthermore, there are new features that have been added to make a difference between this new project with the existing one. After all, consideration of technology used to create this new device still accommodate with nowadays lifestyle.

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CHAPTER ONE INTRODUCTION

1.1 Project Background

Everyone has their own unique sleep personality. Some people are light sleepers, they will awake when there is a noise or movement that was sensed. For heavy sleepers, they can block out the sound of their alarm clock ringing out in the morning unintentionally. This will lead to a problem for students or worker. According to Lance, student or worker come late to the class or office because of overslept (Lance, 2011). Research about students or worker that is heavy sleepers has been conducted openly because this can lead to major problem such as overslept. Besides that, alarm clock has been widely used by a lot of people all over the world to help them to wake up in the morning. However, based on the study most people hit the snooze button at least once. Consequently, it will lead to overslept and will effects the performance of their work such as In addition, punctuality is an important element in working punctuality. environment. Come late to class also is an important issue that draw the attention of many researchers as good time management is essential to success for students at their courses (Sultana, 2013). As for worker, punctuality is also one of their components for good performances at their workplace. Because of that, wake up early is very important for many reasons. In other words, this project is focusing on the scope that concentrates on the integration of alarm clock and smart curtain to help user wake up in the morning.