

Universiti Teknologi MARA

**TICTASTIC: Behavior Recorder for Tourette Syndrome
Mobile Application**

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ABSTRACT

Tics is a type of neurological disorder identifies by repetitive, stereotyped, involuntary gestured and vocalizations called tics. The patient with Tourette Syndrome (TS) are uncomfortable with their repeated and uncontrollable tics which are range widely in their severity, form, frequency and intensity. This project is aiming to create a mobile application which can be used by TS patients to record daily tics frequency. This mobile application is an android-based application. The application is designed and structured using SDLC modelling techniques. By developing this application, it is expected to help the patient to keep on track during recovery process and the recovery process may become much faster and easier.

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CHAPTER 1

INTRODUCTION

1.0 Introduction

This chapter explains about the synopsis of the project and some related framework information about the project. Besides, this chapter remarks the problem statement of this project to explain clearly of the scope and objectives of the project. This chapter becomes the direction and guideline to the task that need to be done out in the later stage.

1.1 Project Background

Tourette Syndrome (TS) is a type of neurological disorder identifies by repetitive, stereotyped, involuntary gestures and vocalizations called tics. It was once thought as a bizarre illness, but it should not any longer be considered as it was once thought to be. The patient with TS are uncomfortable with their repeated and uncontrollable tics movement which can be either motor tics as shown in Figure 1.1 or vocal tics and can be both. The tics of TS range widely in their severity, type, frequency, and intensity as stated by Zinner (2004). They are suffering the condition that affects their central nervous system and it causes the movements of sounds that even the person can control by themselves.

Tics was explained by Jankovic (1997) as something that can be suppressed for some period of time unlike other abnormal movement, although suppression is associated with increasing discomfort. People with TS often report a substantial buildup in stress when suppressing their tics apposite where they feel that the tic must be expressed against their will.