UNIVERSITI TEKNOLOGI MARA

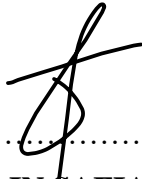# The Stigma of Autism in Malaysia: A Sentiment Analysis Review Based on Twitter Data

Nur Adlin Safiah Binti Rosli

BACHELOR OF COMPUTER SCIENCE (HONS)
FACULTY OF COMPUTER AND MATHEMATICAL SCIENCES

FEBRUARY 2022

DECLARATION

I certify that this report and the research to which it refers are the product of my own work and that any ideas or quotation from the work of other people, published or otherwise are fully acknowledged in accordance with the standard referring practices of the discipline.

……………………………………

NUR ADLIN SAFIAH BINTI ROSLI

2020974451

FEBRUARY 10, 2021

ABSTRACT

Autism, often known as autism spectrum disorder (ASD) is a complex illness that includes communication and behavioural problems. Autism affects how they communicate, engage, behave and learn in ways that are different from other people. They may also have a distinct appearance from others. As a result, there is a stigma associated with this condition. The goal of this research is to analyse the societal stigma around autism by gathering and classifying tweets regarding autism in Malaysia from Twitter. Twitter is picked as the medium for data collection due to its popularity among public now. With polarity identification, tweets regarding autism can be categorised as positive, negative, or neutral. In this project, rule-based approach will be used. This method is chosen because of its ability to analyse text without the need for training or machine learning models. It also does not need a large amount of training data. The findings may be useful to the Ministry of Health Malaysia or the NGOs in understanding how the public views autism.

TABLE OF CONTENTS

CONTENTS   **PAGE**

CHAPTER ONE: INTRODUCTION

CHAPTER TWO: LITERATURE REVIEW

CHAPTER THREE: METHODOLOGY