# Universiti Teknologi MARA

# Web-Based Internship Recommendation System for FSKM Degree Student Using Rule-Based Technique

**Maslinda Binti Zakaria**

**Thesis submitted in fulfilment of the requirements
for Bachelor of Computer Science (Hons.)
Faculty of Computer and Mathematical Sciences**

**July 2019**

# ACKNOWLEDGEMENT

# ABSTRACT

Recommendation system are commonly used to guide someone to find what they want that fit with their personal preferences. Nowadays, many students got opportunity to choose their internship based on their own preferences. They had a problem to choose an internship placement because some student does not get what they had chosen. Many companies had listed their internship programs and open position in their website, which is give student a way to explore it. But, some student does not explore it and just choose it without checking what position they had apply. Therefore, it is essential to have an internship recommendation to provide satisfied result for student when searching their internship placement based on the skill, interest and location. This paper proposed to develop a web-based internship recommendation system using rule-based approach. The goal of this project is to help the student searching the internship placement effectively. Rule-based approach is being used in this recommendation system, where all the data are being collected based on the student preferences. Then, the rules will generate final outcome which recommend the suitable internship placement to a student. The result shows the functionality of this system has been achieved and works well. This study is significantly helping the students to choose their internship placement.

# TABLE OF CONTENTS

| CONTENT | PAGE |
|---|---|

## CHAPTER ONE: INTRODUCTION

# CHAPTER 1

# INTRODUCTION

## 1.1 Introduction

This chapter provides an overview of the research project including the project's background and problem statements. The project's objectives, scope and significance of Web-based Recommendation System for FSKM Degree Student Using Rule-Based Approach also are discovered in this chapter.

## 1.2 Background of Study

Internship for university students have remained around for years (Hennebury & Root, 2018). An internship is a period of work experience offered by an organization for limited period of time. Basically, an internship is for undergraduate students who are previously passed all entire courses that they have taken before goes to interns. Usually, the placement for internship is within businesses, non-profit organization and government agencies.

An internship is an chance for undergraduate students to integrate work-related experience and knowledge into their formal education in a university by taking part in supervised and planned work in real-life environments (Renganathan et al., 2012). An internship also helps student to gain knowledge in a particular field and used to determine if the student still has an interest in that field after a real-life experience.

The main purpose of this project is to help students that are often facing difficulties to choose the right internship placement. Choosing an internship placement is a key step for many students, as an internship can have an important impact on their skilled development. Choosing the right internship