

Universiti Teknologi MARA

**Development of Identification and
Enumeration of Microorganism
Prototype: Food Sample (IEM)**

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ABSTRACT

The Identification and Enumeration of Microorganisms Prototype: Food Sample (IEM) is developed for the Faculty of Applied Sciences of UiTM Shah Alam to handle the information and report of the microbiology experiment. Besides, IEM also provides platform for lecturer to identify students who have submitted the laboratory report. By using this system, it will help the students to manage their experiments reports. Other than that, lecturers also can handle their students report with more easily. The scope of this project is for the Lecturer and Students of Faculty of Applied Science. V-shaped model has being use as the methodology to develop IEM. This methodology is consists of two general phases which is verification phase and validation phase. Verification phase more focus on the system requirements and also the initial phase in develop IEM while validation phase is more focus on the testing part. IEM was developed using JAVA as programming language, Adobe Dreamweaver and Net Beans IDE 7.1 to design and MySQL for the database and management data. Hopefully this project will be done successfully and achieve the project objectives.

TABLE OF CONTENTS

CONTENTS	PAGE
SUPERVISOR'S APPROVAL	ii
DECLARATION	iii
ACKNOWLEDGEMENT	iv
ABSTRACT	v
TABLE OF CONTENTS	vi
LIST OF TABLES	x
LIST OF FIGURES	xi
CHAPTER ONE: INTRODUCTION	
1.0 Introduction	1
1.1 Project Background	1
1.2 Problem Statement	2
1.3 Objectives	2
1.4 Scope	3
1.5 Project Significance	3
1.6 Summary of Research Design	3
1.7 Discussion	5
CHAPTER TWO: LITERATURE REVIEW	
2.0 Introduction	6

2.1	Microorganism	6
2.1.1	History of Microorganism Discovery	8
2.1.2	General Characteristic of Microorganism	10
2.1.3	Factor Affecting Growth	11
2.2	Basic Theory and Concept	13
2.2.1	Online Application	13
2.2.2	Laboratory Information System	14
2.2.3	Netbeans	15
2.2.4	Similar System	16
	2.2.4.1 Identification System	16
2.2.5	Database Concept	16
2.2.6	Advantages of Using MySQL	17
2.3	Involvement in Microbiology Experiment	19
2.3.1	Selective Medium	19
2.3.2	Non Selective Medium	21
2.3.3	Food Sample	22
2.3.4	Enumeration of the Microorganism	23
2.4	System Development Life Cycle	24
2.4.1	V-Shaped Model	25
2.4.2	Waterfall Model	26
2.4.3	Spiral Model	27
2.4.4	Prototyping Model	27
2.4.5	Rapid Application Development (RAD)	28
2.5	Discussion	29

CHAPTER THREE: RESEARCH APPROACH AND METHODOLOGY

3.0	Introduction	30
3.1	Methodology Selection	30