


**ISOLATION AND IDENTIFICATION OF BACTERIA
ISOLATED FROM UITM KUALA PILAH BUS
TRANSPORT**

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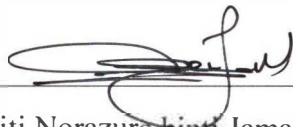
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TABLE OF CONTENTS

	PAGE
ACKNOWLEDGEMENTS	iii
TABLE OF CONTENTS	iv
LIST OF TABLES	vi
LIST OF FIGURES	vii
LIST OF ABBREVIATIONS	viii
ABSTRACT	ix
ABSTRAK	x
CHAPTER 1: INTRODUCTION	1
1.1 Background of Study	1
1.2 Problem Statement	3
1.3 Significance of Study	4
1.4 Objectives of Study	5
CHAPTER 2: LITERATURE REVIEW	6
2.1 Type of Bacteria Isolated From Public Transport	6
2.2 Common Bacteria Found In Public Area	8
2.3 Technique to Isolate Bacteria from Public Place or Public Transport	10
2.3.1 Enumeration of Total Viable Bacteria	10
2.4 Identification of Bacteria	11
2.4.1 Morphology	11
2.4.2 Biochemical Test	12
CHAPTER 3: METHODOLOGY	15
3.1 Materials	15
3.2.1 Raw materials	15
3.2.2 Chemicals	15
3.2.3 Apparatus	15
3.2 Methods	16
3.2.1 Collecting Samples	16
3.2.2 Enumeration Of Total Viable Bacteria	17
3.2.3 Isolation And Identification Of Bacteria	17
3.2.4 IMViC Test	17

CHAPTER 4: RESULT AND DISCUSSION	
4.1 Isolated Bacteria from Sample	19
4.2 Bacteria Identification	20
4.3 Biochemical Test (IMViC)	22
4.3.1 The behaviour of Isolated Sample	23
4.4 Gram Staining	27
CHAPTER 5: CONCLUSION AND RECOMMENDATIONS	29
CITED REFERENCES	30
APPENDICES	34
CURRICULUM VITAE	36

ABSTRACT

ISOLATION AND IDENTIFICATION OF BACTERIA ISOLATED FROM UITM KUALA PILAH BUS TRANSPORT

The improvement of technology in public transport has made it easier for traffics of people going through the same transportation from time to time and physical touch during the travel are coming from different background. Public areas such as the transportation system, restaurant and cafes, parks, toilets or other community areas can facilitate the transmission of microbes. The aim of this study are to isolate and determine the presence of enteric bacteria in samples swabbed from different location in UiTM bus transport. The usage of UiTM bus by mostly students are very common in everyday transit back and forth from UiTM Kuala Pilah to Kuala Pilah town. Hence, contamination and disease transmission when in contact with various surfaces in bus are inevitable. This study can inform people about hygiene awareness in public transportation as well as the need to routinely clean and disinfect areas in public transport for minimizing exposure to potentially harmful bacteria. The samples was collected in five difference locations in the bus and proceed with the isolation of bacteria on Eosine Methylene Blue (EMB) agar. Successfully isolated bacteria were tested using IMViC test and gram staining to determine their characteristics. Gram-negative bacteria with biochemical test conducted shows they are enteric bacteria. The presence of these bacteria in surfaces of public places such as the bus are common according to previous researcher hence it creates concern to identify these types of bacteria as it can cause disease if left unattended. Groups of *Enterobacteriaceae* was found in all samples.