

**ISOLATED BACTERIA FROM ICE CUBES SAMPLED
FROM FOOD PREMISES IN KUALA PILAH,
NEGERI SEMBILAN**

WAN SHAHIRAH BINTI W ADNAN

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This Final Year Project Report entitled “**Isolated Bacteria from Ice Cubes Sampled from Food Premises in Kuala Pilah**” was submitted by Wan Shahirah binti W Adnan, in partial fulfilment of the requirements for the Degree of Bachelor of Science (Hons.) Biology, in the Faculty of Applied Sciences, and was approved by

Nurulhuda binti Ismail
Supervisor
Faculty of Applied Sciences
UiTM Negeri Sembilan
Kampus Kuala Pilah
Pekan Kuala Pilah
72000, Kuala Pilah
Negeri Sembilan

Lili Syahani Rusli
Project Coordinator
Faculty of Applied Sciences
UiTM Negeri Sembilan
Kampus Kuala Pilah
Pekan Parit Tinggi
72000, Kuala Pilah
Negeri Sembilan

Dr. Nor'aishah Abu Shah
Head of Biology School
Faculty of Applied Sciences
UiTM Negeri Sembilan
Kampus Kuala Pilah
Pekan Parit Tinggi
72000, Kuala Pilah
Negeri Sembilan

Date: _____

TABLE OF CONTENTS

	PAGE
ACKNOWLEDGEMENT	iii
TABLE OF CONTENTS	iv
LIST OF TABLES	vi
LIST OF FIGURES	vii
LIST OF ABBREVIATIONS	ix
ABSTRACT	x
ABSTRAK	xi
CHAPTER 1: INTRODUCTION	
1.1 Background of Study	1
1.2 Problem Statement	3
1.3 Significance of Study	4
1.4 Objective of Study	5
CHAPTER 2: LITERATURE REVIEW	
2.1 Ice Cube	6
2.1.1 Ice-producing factory	7
2.2 Foodborne Disease	10
2.3 Opportunistic Pathogens in Ice	12
2.3.1 <i>Acinetobacter baumannii</i>	12
2.3.2 <i>Klebsiella pneumoniae</i>	14
2.3.3 <i>Bacillus licheniformis</i>	15
CHAPTER 3: METHODOLOGY	
3.1 Materials	18
3.1.1 Raw materials	18
3.1.2 Chemicals	18
3.1.3 Apparatus	18
3.2 Methods	19
3.2.1 Sample collection	19
3.2.2 Filtration process	19
3.2.3 MacConkey test	20
3.2.4 Nutrient agar test	20
3.2.5 IMViC test	21
3.2.6 Gram staining	26
3.2.7 Gene sequencing	27

CHAPTER 4: RESULTS AND DISCUSSION	
4.1 Isolated Bacteria from Ice Cubes Samples	28
4.2 Identification of Bacteria	31
4.2.1 <i>Klebsiella pneumoniae</i>	31
4.2.2 <i>Acinetobacter baumannii</i>	37
4.2.3 <i>Bacillus licheniformis</i>	42
4.3 DNA Sequencing	47
CHAPTER 5 : CONCLUSION AND RECOMMENDATIONS	48
CITED REFERENCES	49
APPENDICES	54
CURRICULUM VITAE	59

ABSTRACT

ISOLATED BACTERIA FROM ICE CUBE SAMPLED FROM FOOD PREMISES IN KUALA PILAH, NEGERI SEMBILAN

The aims of this study are to isolate bacteria and determine pathogenic bacteria present in edible ice served in drinks and beverages. The consumption of ice cube in drinks and beverages as coolant agent is very common in Kuala Pilah, Negeri Sembilan. Thus, contamination in ice cube may be a vehicle in transmission of disease to the public. The ice cube samples were collected randomly from food premises in Pekan Kuala Pilah, Negeri Sembilan. The samples collected filtered using cellulose nitrate membrane (0.45 μm pore size, 47 mm diameter) and proceed with placement of membrane on MacConkey and nutrient agar. Successfully isolated bacteria were tested using IMViC test and gram staining to determine their characteristics. The species and genus of the isolated bacteria were then confirmed with DNA sequencing. Successfully isolated bacteria were identified as *Klebsiella pneumoniae*, *Acinetobacter baumannii*, and *Bacillus licheniformis*. *Klebsiella pneumoniae* were isolated from two out of three samples collected.