



UNIVERSITI TEKNOLOGI MARA

THE PREVALENCE OF MRSA INFECTIONS AMONG PATIENTS IN PPPUITM

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DECLARATION

I hereby declare that this thesis is based on my original work. I also declare that this thesis has not previously or concurrently submitted by any other student at UiTM or other institutions.

DECEMBER 2017

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2015

ABSTRACT

THE PREVALENCE OF MRSA INFECTIONS AMONG PATIENTS IN PPPUITM

Methicillin-resistant *Staphylococcus aureus* is a *staph* bacteria that is often resistant to several types of antibiotic treatment. Most *S. aureus* is a methicillin susceptible. In general, healthy people with no cuts or wounds have low risk for getting infection. Both adults and children may carry MRSA infection. MRSA infection may cause life-threatening infections to some people. People can get MRSA either by community acquired or hospital acquired. In order to identify if patients are infected with MRSA, MRSA screening will be done, continued with further tests and the patients will be given antibiotics treatment by the doctors or clinician. In this study, a total of 863 samples were sent to the lab for examination and 33 of them were positive with MRSA. MRSA samples were isolated mostly in wound swabs and antibiotic susceptibility testing was done against Vancomycin. The results appeared to be preserved with strategies in preventing the MRSA infection with a strict education and also infection control policy.

Key words : MRSA, hospital acquired, AST, Vancomycin

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TABLE OF CONTENTS

Chapter	Contents	Page
	TITLE PAGE	i
	DECLARATION	ii
	APPROVAL	iii
	ABSTRACT	iv
	ACKNOWLEDGEMENT	vi
	TABLE OF CONTENTS	vii
	LIST OF TABLES	xi
	LIST OF FIGURES	xii
	ABBREVIATIONS	xiii
	DEFINITIONS	xiv
 1.0	 INTRODUCTION	
1.1	Background of the study	1
1.2	Problem statement	3
1.3	Objective	4
1.3.1	General objective	4
1.3.2	Specific objectives	4
1.4	Significance of the study	5
1.5	Research hypothesis	5
1.5.1	Alternative hypothesis	5
1.5.2	Null hypothesis	5