

EVALUATION OF SELECTED WASTEWATER
TREATMENT PLANTS ON UiTM SHAH ALAM CAMPUS

By

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DECLARATION BY THE CANDIDATE

I RUSMINI BINTI IBRAHIM, 2007270242 confirm that the work in this report is my own work and the appropriate credit has been given where references have been made to the work of other researchers.

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ABSTRACT

Standards have been established for the quality of effluent discharged from treatment plants to receiving waters. In Malaysia, there are wastewater treatment plants that are not in compliance with the enforcement by the Department of Environment (DOE). Effluents that are discharged are not complying the standard will affect receiving water and ecosystems. This study mainly focused on the performance of wastewater treatment plants in UiTM Shah Alam Campus. Three wastewater treatment plants were selected namely wastewater treatment plants at Mawar College, Teratai College and Seroja College. To achieve the objectives, the laboratory experiments were carried out to analyze the quality of the wastewater generated from the selected wastewater treatment plants. The experiments include test for chemical oxygen demand (COD) and suspended solid (SS). The result shows that only wastewater treatment plant at Seroja College that comply with Standard B. Wastewater treatment plants at Mawar College and Teratai College are not comply against standard and need to be upgraded.

TABLE OF CONTENTS

	Page
DECLARATION BY THE CANDIDATE	i
ABSTRACT	ii
ACKNOWLEDGEMENTS	iii
TABLE OF CONTENTS	iv
LIST OF TABLES	vi
LIST OF FIGURES	vii
LIST OF ABBREVIATIONS	viii
CHAPTER 1: INTRODUCTION	
1.1 Background	1
1.2 Problem Statement	3
1.3 Objective	3
1.4 Scope of Work	4
1.5 Significant of Study	4
CHAPTER 2: LITERATURE REVIEW	
2.1 Introduction to Municipal Wastewater Treatment in Malaysia	6
2.2 Municipal wastewater treatment plants	8
2.3 Malaysian wastewater treatment system	9
2.3.1 Sewage Treatment Systems for Urban Areas	10
2.3.2 Sewage Systems for Small Communities	11
2.4 Wastewater characteristic	11
2.5 Problem of wastewater in Malaysia	12
2.6 Wastewater Treatment Process	13
2.6.1 Preliminary treatment	14
2.6.2 Primary treatment	15
2.6.3 Secondary treatment	15
2.6.4 Tertiary and/or advanced treatment	16
2.7 Wastewater Effluent Quality	16
2.8 Environmental Quality Act (EQA) 1974	18
CHAPTER 3: METHODOLOGY	
3.1 Introduction	22
3.2 Sampling Location	22
3.3 Sampling Method	24
3.4 Laboratory Analysis	24

CHAPTER 4: RESULTS AND DISCUSSIONS

4.1 Introduction	25
4.2 Chemical Oxygen Demand (COD)	25
4.3 Suspended Solid (SS)	27
4.4 Parameter Limits of Effluent of Standard A and Standard B	29

CHAPTER 5: CONCLUSION AND RECOMMENDATION

5.1 Conclusion	31
5.2 Recommendation	32

REFERENCES	33
APPENDICES	36