

**WATER QUALITY ANALYSIS OF ULU BENDUL NEGERI
SEMBILAN WATERFALL**

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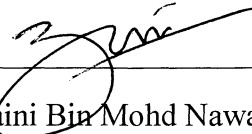
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This Final Year Project Report entitled “**Water Quality Analysis of Ulu Bendul Waterfall**” was submitted by Muhamad Akmal Hakim Bin Daud, in partial fulfillment of the requirements for the Degree of Bachelor of Science (Hons.) Biology, in the Faculty of Applied Sciences, and was approved by



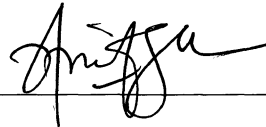
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TABLE OF CONTENT

	PAGE
ACKNOWLEDGEMENT	iii
TABLE OF CONTENT	iv
LIST OF TABLE	vi
LIST OF FIGURE	vii
LIST OF ABBREVIATION	viii
ABSTRACT	ix
ABSTRAK	x
CHAPTER 1: INTRODUCTION	
1.1 Background of the Study	1
1.2 Problem Statement	3
1.3 Significance of the Study	4
1.4 Objective of the Study	4
CHAPTER 2: LITERATURE REVIEW	
2.1 Waterfall	5
2.2 Water Quality (WQ)	7
2.3 Parameter for waterfall quality	
2.3.1 Depth	11
2.3.2 Turbidity	11
2.3.3 Total Suspended Solid (TSS)	13
2.3.4 Salinity	15
2.3.5 Temperature and pH	16
2.3.6 Dissolved Oxygen (DO)	17
2.3.7 Biological Oxygen Demand	18
2.3.8 Coliform bacteria	19
CHAPTER 3 : METHODOLOGY	
3.1 Materials	22
3.1.1 Raw materials	22
3.1.2 Chemicals	22
3.1.3 Apparatus	22
3.2 Methods	23
3.2.1 Sampling and collection	23
3.2.2 Preparation of dilution water	24
3.2.3 <i>In situ</i> measurement	25
3.2.4 Five Measurement using Quanta Hydrolab (Qd 03659)	25

ppt	part per thousand
%	percentage

ABSTRACT

WATER QUALITY ANALYSIS OF ULU BENDUL WATERFALL, NEGERI SEMBILAN

Water Quality (WQ) is a tool to determine conditions of water and require knowledge about principles and basic concepts of water and related issues and determined by many physical, chemical and biological factors. Water quality analysis of Ulu Bendul Waterfall, Negeri Sembilan was carried out in five weeks starting from the end of March until April 2014. Six selected stations at different localities and water quality level was selected under this study. Eight physical and biological parameters of the sample were measured are pH, temperature, Dissolved Oxygen (DO), Biological Oxygen Demand (BOD), Total Suspended Solid (TSS), turbidity, salinity and total coliform. The mean value of the measured parameters was compared with Interim National Quality Water Standard (INQWS) and Water Quality Index Department of Environment (DOE) for analysis and categorization. The classes that are indicated by each parameter showed as follow: pH (IIA), temperature (I, IIB, IV AND V), Dissolved Oxygen (IIA and IIB), Biological Oxygen Demand (IIA and IIB), Total Suspended Solid (V), Turbidity (IIA AND IIB), Salinity (IIB, III, IV, V) and total coliform (V). Three parameter had shown significant difference which are Dissolved Oxygen (DO), Total Suspended Solid (TSS) and total coliform bacteria. In conclusion, it present that water quality of Ulu Bendul is suitable for recreational place but Total Suspended Solid (TSS) need to be concern. The values measured are also highly expected to have relation with human activities, environment, weather and other factors.