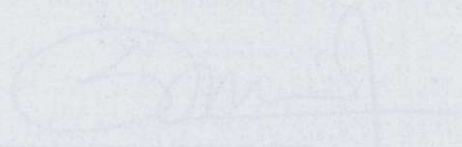


This Final Year Project Report entitled "Diversity of Freshwater Fishes at Lower Stream of Tuaran River, Sabah" was submitted by Nurul Nadzirah Binti Yusman, in partial fulfillment of the requirements for the degree of Bachelor of Science (Hons.) Biology in the Faculty of Applied Sciences, Universiti Teknologi MARA, 88000 Kota Kinabalu, Sabah.

**DIVERSITY OF FRESHWATER FISHES AT LOWER STREAM  
OF TUARAN RIVER,  
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## TABLE OF CONTENTS

	<b>PAGE</b>
<b>ACKNOWLEDGEMENTS</b>	<b>iii</b>
<b>TABLE OF CONTENTS</b>	<b>iv</b>
<b>LIST OF TABLES</b>	<b>vi</b>
<b>LIST OF FIGURES</b>	<b>viii</b>
<b>LIST OF ABBREVIATIONS</b>	<b>x</b>
<b>ABSTRACK</b>	<b>xi</b>
<b>ABSTRAK</b>	<b>xii</b>
<b>CHAPTER 1: INTRODUCTION</b>	
1.1 Background of Study	1
1.2 Problem Statement	4
1.3 Significance of the Study	5
1.4 Objectives of the Study	5
<b>CHAPTER 2: LITERATURE REVIEW</b>	
2.1 Biology of Fishes	6
2.1.1 General Morphology and Characteristics	7
2.1.2 Taxonomy and Classification	9
2.1.3 Distribution and Abundance	10
2.2 Freshwater Fishes and Their Diversity	11
2.3 Freshwater Fishes in Malaysia	12
2.3.1 Factors Affecting Fish Diversity and Distribution	13
2.4 Previous Studies on Freshwater Fish Species in Sabah	15
<b>CHAPTER 3: METHODOLOGY</b>	
3.1 Study Site	17
3.2 Materials	19
3.2.1 Raw Materials	19
3.2.2 Chemicals	21
3.2.3 Apparatus	21
3.3 Methodology	23
3.3.1 Fish sampling and capturing method	23
3.3.2 Samples collection	24
3.3.3 Water physico-chemical parameters (WPP)	24
3.3.4 Species preservation	25
3.3.5 Species identification	25
3.3.6 Specimens depositions	25

## LIST OF TABLES

TABLE	TITLE	PAGE
1.1	Villagers with reported river usage	4
2.1	External features of fish and their functions	7
4.1	The characteristics of each station at the lower stream of Tuaran River	29
4.2	The water physico-chemicals parameters of water measured in the Tuaran River	32
4.3	List of fish species caught at three different stations	36
4.4	Morphometric measurements and meristic counts of <i>Ambassis interrupta</i>	41
4.5	Morphometric measurements and meristic counts of <i>Arius maculatus</i>	43
4.6	Morphometric measurements and meristic counts of <i>Barbonymus gonionotus</i>	45
4.7	Morphometric measurements and meristic counts of <i>Caranx sexfasciatus</i>	47
4.8	Morphometric measurements and meristic counts of <i>Gerres abbreviatus</i>	49
4.9	Morphometric measurements and meristic counts of <i>Leiognathus equulus</i>	51
4.10	Morphometric measurements and meristic counts of <i>Liza subviridis</i>	53
4.11	Morphometric measurements and meristic counts of <i>Lobocheilus bo</i>	55

## LIST OF FIGURES

FIGURE	TITLE	PAGE
2.1	Generalized outline of fish	7
3.1	Sampling stations and their coordinates at the lower stream of Tuaran River	17
3.2	An overview of Station 1	18
3.3	An overview of Station 2	18
3.4	An overview of Station 3	19
3.5	Raw materials that were used; cast net, hand gloves, meter rule, cool boxes, distilled water and plastic jars	20
3.6	10% formalin and 75% ethanol	21
3.7	The Hydrolab set and the GPS tracker	22
3.8	Handling Hydrolab for obtaining reading on the river physico-chemical parameters	24
3.9	The Fresh-water Fishes of North Borneo identification manual by Chin and Inger (2002).	25
3.10	Flowchart of the study	28
4.1	Sand mining activities observed at Station 2 and 3	31
4.2	The proportion of fish families	37
4.3	<i>Ambassis interrupta</i>	40
4.4	<i>Arius maculatus</i>	42
4.5	<i>Barbonymus gonionotus</i>	44

## ABSTRACT

### DIVERSITY OF FRESHWATER FISHES AT LOWER STREAM OF TUARAN RIVER, SABAH

Sabah is rich with freshwater fishes and about 168 species can be found. Many localized studies of freshwater fishes focusing on areas such as Lahad Datu, Kota Marudu, Ranau and Kinabatangan had been done since the past few years, nevertheless, no further comprehensive studies have been made. When narrowing down the scope in Tuaran, the available information on the fish fauna at Tuaran River is only limited to locations of *tagal* and a few human activities such as sand mining have posed many threats to the aquatic living. This made it very difficult to gain any information related to the fish fauna available. The study was conducted with the purposes to provide morphological data and hence determine the diversity of freshwater fishes found at lower stream of Tuaran River, Sabah. All of the fish samples were captured by using cast nets along three selected stations. Throughout this study, a total of 225 individuals of 15 species and 12 families were captured which the family Cyprinidae gave the highest percentage. All of the fish specimens were measured and identified and the data were recorded for future references on the morphological data. The diversity index of the freshwater fishes ranged from 1.67 to 1.85. An exotic species *Oxyeleotris marmorata* (Ketutu) which is the top five most expensive fish in Malaysia was also captured during this study which shows that the lower stream of the Tuaran River might be the potential habitat for this exotic species along with other valuable species such as *Pangasius hypophthalmus* (Patin) and *Tilapia sp.*