

**DISTRIBUTION AND ABUNDANCE OF INTERTIDAL  
NEMATODES AT PANTAI DALIT AND  
TANJUNG LIPAT**

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## TABLE OF CONTENTS

	PAGE
<b>ACKNOWLEDGEMENTS</b>	iii
<b>TABLE OF CONTENTS</b>	iv
<b>LIST OF TABLES</b>	vi
<b>LIST OF FIGURES</b>	viii
<b>LIST OF ABBREVIATIONS</b>	ix
<b>ABSTRACT</b>	x
<b>ABSTRAK</b>	xi
<b>CHAPTER 1: INTRODUCTION</b>	
1.1 Background of the Study	1
1.2 Problem Statement	2
1.3 Significance of the Study	2
1.4 Objectives of the Study	3
<b>CHAPTER 2: LITERATURE REVIEW</b>	
2.1 Intertidal Zone	4
2.2 Nematode Characteristics and Functions	5
2.3 Distribution and Abundance of Intertidal Zone nematode	6
2.4 The Importance of the Sandy Beach Ecosystems	7
2.5 The Importance of Nematodes on Ecosystem	8
<b>CHAPTER 3: METHODOLOGY</b>	
3.1 Materials	
3.1.1 Raw materials	9
3.1.2 Apparatus	9
3.1.3 Chemicals	10
3.2 Methods	
3.2.1 Location	10
3.2.2 Sampling Methods	11
3.2.3 Environmental Parameters	12
3.2.4 Collecting Samples	12
3.2.5 Preserving	12
3.2.6 Extraction of Nematodes	13
3.2.7 Analysing and Identification	14
3.3 Statistical Analysis	15

<b>CHAPTER 4: RESULTS AND DISCUSSION</b>	
4.1 Abundance of Nematode at Pantai Dalit and Tanjung Lipat	16
4.2 Types of Distribution of Nematodes at Pantai Dalit and Tanjung Lipat	17
4.3 The Comparison of Nematodes Abundance at Pantai Dalit and Tanjung Lipat	19
4.4 The Relationship of Distribution and Abundance of Intertidal Nematodes with its Environmental Parameter	21
<b>CHAPTER 5: CONCLUSIONS AND RECOMMENDATIONS</b>	25
<b>CITED REFERENCES</b>	27
<b>APPENDICES</b>	30
<b>CURRICULUM VITAE</b>	36

## ABSTRACT

### ABSTRAK

#### **DISTRIBUTION AND ABUNDANCE OF INTERTIDAL NEMATODES AT PANTAI DALIT AND TANJUNG LIPAT**

#### TABURAN DAN KEPADATAN NEMATODA PASANG SURUT DI

Nematodes are meiofaunal that can be found in all substrates, sediments, climatic zones and water depths. The objectives of the study are to determine the distribution and abundance of intertidal nematodes at Pantai Dalit and Tanjung Lipat. The sample was taken at high tide, mid tide and low tide at five transects for three times at each respective sampling site and was taken to the laboratory for preservation and counting of nematodes individuals. The distribution of the nematodes at Pantai Dalit and Tanjung Lipat are of regular distribution by comparing its mean and variance. The abundance of nematodes at Pantai Dalit ranging from 1 individual to 6 individuals of nematodes whereas the abundance of nematodes at Tanjung Lipat ranging from 0 individual to 4 individuals when calculating individual of nematode was carried out. There is difference of abundance of nematodes at Pantai Dalit and Tanjung Lipat by using two way ANOVA. Therefore from the statistical analysis, the abundance of nematodes are differ from Tanjung Lipat and Pantai Dalit. The relationship between the abundance of nematode and the environmental parameter has a weak positive relationship where it shows that the environmental parameter does not give a huge impact on their abundance.