

**VARIATION OF TOTAL ELECTRON CONTENT (TEC) DURING  
DAY TIME AND NIGHT TIME**

**SAIFUL ADZHAR BIN ISHAK**

**FACULTY OF ELECTRICAL ENGINEERING  
UNIVERSITY TEKNOLOGI MARA  
MALAYSIA**

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## ABSTRACT

The ionosphere over Malaysia is unique because of its location near the equator line. Equatorial over a world are directly receive more sun radiation or ultra violet. The purpose of this project is about to study Total Electron Content (TEC) based on different time to evaluate the variation of TEC during day time and night time. The research of TEC is based on varies of data GPS from GPS receiver station Universiti Sains Malaysia(Penang), Politeknik Ungku Omar(Ipoh) and Universiti Teknologi Mara (Arau). Normally for every difference time the ionosphere will give difference value of electron. Recent studies parameter of ionosphere will change due to solar activity [1]. The sun releases electromagnetic radiation, which is absorbed by the atmosphere around the earth. This radiation has the potential to disturb or ionize the ionosphere, the outer most layer of the atmosphere, and this then affects radio waves, including VLF waves, that are reflected by the ionosphere [16].

## TABLE OF CONTENTS

TOPIC	PAGE	
DECLARATION	i	
ACKNOWLEDGEMNT	ii	
ABSTRACT	iii	
TABLE OF CONTENT	iv	
LIST OF FIGURE	vii	
LIST OF TABLE	ix	
ABBREVIATION	x	
CHAPTER 1.0	INTRODUCTION	
	1.1 PROJECT OVERVIEW	1
	1.2 PROJECT OBJECTIVES	2
	1.3 PROJECT SCOPE	3
	1.4 PROJECT SCHEDULE	4
	1.5 THESIS OUTLINE	5
CHAPTER 2.0	LITERATURE REVIEW	
	2.1 INTRODUCTION	6
	2.1.1 THE IONOSPHERIC LAYER	7
CHAPTER 3.0	TOTAL ELECTRON CONTENT (TEC)	
	3.1 INTRODUCTION	

	3.2	TOTAL ELECTRON CONTENT (TEC)	12
CHAPTER	4.0	GLOBAL POSITIONING SYSTEM (GPS)	
	4.1	INTRODUCTION	16
	4.2	GLOBAL POSITIONING SYSTEM (GPS)	17
	4.3	SATELLITE SEGMENT	18
		4.3.1 SPACE SEGMENT	
		4.3.2 USER SEGMENT	
		4.3.3 CONTROL SEGMENT	
	4.4	ADVANTAGE USING GPS SYSTEM IN TEC CALCULATION	20
	4.5	EXPLANATION OF GPS RECEIVER STATION IN MALAYSIA	20
CHAPTER	5.0	RECEIVER INDEPENDENT EXCHANGE (RINEX) FORMAT	
	5.1	INTRODUCTION	22
	5.2	RECEIVER INDEPENDENT EXCHANGE	22
CHAPTER	6.0	METHODOLOGY	25
	6.1	SCOPE RANGE	27
	6.2	PROCESSING THE RINEX FILE	30
CHAPTER	7.0	ANALYSIS DATA AND RESULT	
	7.1	RESULTS	36