



**CENTRE OF STUDIES FOR LANDSCAPE ARCHITECTURE
FACULTY OF ARCHITECTURE PLANNING AND SURVEYING
UNIVERSITI TEKNOLOGI MARA**

**ENHANCING EDUCATIONAL COMMUNITY SPACE
AT KAMPUNG BUKU LANGKAWI THROUGH
ECOLOGICAL APPROACH**

**HAZAFIZAH BINTI ZAINAL ABIDIN
2014236078**

JULY 2018

AUTHOR'S DECLARATION

I declare that the work in this dissertation was carried out in accordance with the regulations of Universiti Teknologi MARA. It is original and is the results of my own work, unless otherwise indicated or acknowledged as referenced work. This thesis has not been submitted to any other academic institution or non-academic institution for any degree or qualification.

I, hereby, acknowledge that I have been supplied with the Academic Rules and Regulations for Under Graduate, Universiti Teknologi MARA, regulating the conduct of my study and research.

Name of Student : Hazafizah Binti Zainal Abidin

Student I.D. No. : 2014236078

Programme : Bachelor of Landscape Architecture (Hons.) – AP248

Faculty : Architecture, Planning and Surveying

Dissertation Report : Enhancing Educational Community Space at Kampung

Title : Buku Langkawi Through Ecological Approach

Signature of Student :

Date : July 2018

ABSTRACT

Community space is the phase area which is showing the various life among people (Karen E. and Trinidad R., 2014, p. 183). This study is to enhance a learning space for the community within social sustainability through an ecological approach at Kg Buku Langkawi, Kedah. Kg Buku Langkawi has the potential to enhance the community learning space for the user by using the existing flora and fauna to create the natural concept. The data were collected and analyzed to identify the issues and potential of the area. Then, the final of this study will come out with a new master plan development, which consists of design and approach to achieve the design goal. There needs some approach to implement this study. This study is for creating the strategies for enhancing the learning and community space with ecological and knowledge environment.

Keywords: *Community space, enhance, learning space, ecological approach, flora, and fauna, natural concept, knowledge*

TABLE OF CONTENTS

	Page
ABSTRACT	i
ACKNOWLEDGEMENT	ii
LIST OF CONTENT	iii
LIST OF FIGURE	vi

CHAPTER ONE: INTRODUCTION

- 1.1 Introduction
- 1.2 Prevalent Issues / Problem Statement
 - 1.2.1 Physical Issue
 - 1.2.2 Environment Issue
 - 1.2.3 Socio-culture Issue
- 1.3 Aim & Objectives
- 1.4 Definition of Terminology
 - 1.4.1 Enhancing
 - 1.4.2 Community Space
 - 1.4.3 Ecologically Approach
- 1.5 Significance of Study / Scope of Study
- 1.6 Research Methodology
- 1.7 Chapter Summary

CHAPTER TWO: LITERATURE REVIEW AND REFERENCE CASES

- 2.1 Introduction
- 2.2 Enhancing
- 2.3 Community Space

- 2.3.1 Planning Principles
- 2.3.2 Type of Community Space/Public Space
- 2.3.3 How to welcome to community space
- 2.4 Ecological Approach
 - 2.4.1 Principles of landscape ecological design
 - 2.4.2 Ecological landscaping guidelines
 - 2.4.3 Ecosystem benefits of ecological design
- 2.5 Reference Cases
 - 2.5.1 Reference Case 1: Olana State Historic Site, Hudson, New York, USA
 - 2.5.1.1 *Background of study area*
 - 2.5.1.2 *Location of site*
 - 2.5.1.3 *Issues and Problem*
 - 2.5.1.4 *Design Approaches and Solution*
 - 2.5.2 Reference Case 2: The Banjaran Hotspring Retreat, Ipoh Perak
 - 2.5.2.1 *Background of study area*
 - 2.5.2.2 *Location of site*
 - 2.5.2.3 *Site Potential*
 - 2.5.2.4 *Design Approaches and Solutions*
- 2.6 Comparison between Reference Cases
- 2.7 Chapter Summary - Chapter 2
- 2.8 References

CHAPTER THREE: INVENTORY AND ANALYSIS OF CASE STUDY

- 3.1 Introduction
- 3.2 Background of the Case Study
 - 3.2.1 Site Location
 - 3.2.2 Historical Background
- 3.3 Physical Attributes
 - 3.3.1 Site Land Use and Activities
 - 3.3.2 Circulation and Accessibility
 - 3.3.3 Topography