FACULTY OF ELECTRICAL ENGINEERING UNIVERSITI TEKNOLOGI MARA

ELECTRICAL OF ENGINEERING ELECTRONIC

ENT600(EE)

PROJECT NAME: PORTABLE GREENHOUSE

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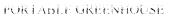




Table of contents

CHAPTER 1	5
1.0 PRODUCT DESCRIPTION	5
1.1 Introduction	5
1.2 Purpose of development	5
1.3 Product Concept	5
1.4 Application of product	5
1.4.1 Functions	5
1.5 Unique features	5
1.5.1 Picture description	6
CHAPTER 2	7
2.0 TECHNOLOGY DESCRIPTION	7
2.1 Overview of product prototype	7
2.1 Portable greenhouse (A)	8
2.2 UV light sensor (B)	9
2.3 Humidity sensor (C)	10
2.4 Arduino (D)	
2.5 Water sensor (E)	13
2.6 PVC pipe (F)	14
2.7 Water pump (G)	
CHAPTER 3	16
3.0 MARKET RESEARCH AND ANALYSIS	16
3.1 Target Market	16
3.2 Market Size and Market Share	16
3.3 Competition and Competitive Edges	16
3.3.1 The strengths and weaknesses of competitors:	17
3.4 Marketing strategies	17





3.4.1 Product Strategy	17
3.4.2 Price Strategy	17
3.4.3 Place Strategy	17
3.4.4 Promotion Strategy	18
CHAPTER 4	19
4.0 FINANCIAL PLAN	19
4.1 Start-up cost	19
4.2 Working capital (4 months)	19
4.3 Estimated cost per unit	20
CHAPTER 5	21
5.0 MANAGEMENT	21
5.1 Team Members	21
5.2 Organizational Structure	22
CHAPTER 6	23
6.0 PROJECT MILESTONE	23
6.1 Flowchart project Design Planning	23
6.2 Project Schedule	26
CHAPTER 7	27
7.0 CONCLUSION	27



COMPANY'S LOGO



PLANTING WITH PORTABLE GREENHOUSE



PORTABLE GREENHOUSE

CHAPTER 1

1.0 PRODUCT DESCRIPTION

1.1 Introduction

Observation and market research indicates that many people would love to plant. However, they do not plant because they do not have the time to take care of the plant. So the team have chosen Portable Greenhouse as a product to counter the problem.

1.2 Purpose of development

• To use greenhouse technology to enable customers with busy lifestyle to enjoy planting

1.3 Product Concept

• Replace the traditional planting method.

1.4 Application of product

 Automatically takes care of the plants with the help of electronic devices such as automatic watering and automatic light source.

1.4.1 Functions

- Water pump supply water when water sensor gives an output.
- Water sensor detect water level to determine whether plant need to be watered or not.
- UV light bulb supply UV light if plant get lacks of light source.
- Arduino send water and light conditions to customer gadget.

1.5 Unique features

The uniqueness of the product for availability in Malaysia market consists of:

• Monitor plant condition using mobile phone.