CHAPTER 1

INTRODUCTION

1.1 INTRODUCTION

This chapter explained about the project objectives, project background, project scope, and problem statement that been conducted.

1.2 BACKGROUND

Spraying pesticide is an important process in farming. Nowadays, there are many types of pesticide sprayer already in market. For the different types of pesticide sprayer there are have a different shapes, sizes, method to carry it but the function are same. For example small pesticide sprayer uses by small area or little quantity of plant such as for flower surround home or in vase compare to pesticide pump cart sprayer use for quite large area and it suitable for boundary plant because it was consist of two nozzles.
1.3 PROBLEM STATEMENT

1) Pesticide pumps already in market having limited capacity. So user need to refill the pesticide for many times. It will cause of wasting time to user.

2) For the back-pack type pesticide sprayer, user needs to carry the heavy tank at the back. As we know, this is the most type of pesticide pump sprayer that user use in farming.

3) User need to hold the nozzle when spraying out the pesticide.

4) Some of pesticide sprayer, user need to pump in the mixture of pesticide before spraying out the pesticide manually. So, huge force is needed to pump the pesticide.

1.4 OBJECTIVE

To design and fabricate pesticide pump sprayer cart

1.5 SCOPE

1) Use for small scale farmer that have plant area around 4/3 acres.

2) Suitable for boundary plant such as chilies, cabbage, and etc.

3) Plant that have space not less than 0.7m and not more than 1.5m gap between each.

4) Suitable use for shrub type plant.

5) Carrying 36 Liter tank container of mixture pesticide.
1.6 OVERVIEW OF REPORT

1.6.1 CHAPTER 1- Introduction

This chapter discussed about the background, objective, problem statement, and the scope regarding to this project. The main purposes of this project are stated in this chapter.

1.6.2 CHAPTER 2- Literature Review

This chapter discussed about the literature review of this project. The examples of products that already have in market are shown in this chapter. The previous products will be the reference point in producing of this project.

1.6.3 CHAPTER 3- Methodology

This chapter discussed about the process for the producing of this project. It is starting by designing until the fabricating process of this project.

1.6.4 CHAPTER 4- Result and Discussion

The results of this project are shown in this chapter although this project success or not. The function of this project also discussed in this chapter.

1.6.5 CHAPTER 5- Conclusion and Recommendation

This chapter discussed about the overall of the project included recommendation. The recommendation is to make the improvement of the project for the future.