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ENGINEERING UITM TERENGGANU,
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PROGRAMME : DIPLOMA OF MECHANICAL ENGINEERING
(EM110) COURSE NAME: MECHANICAL ENGINEERING DESIGN
COURSE CODE : MEC332
GROUP : EM1105A

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DATE OF SUBMISSION: 6TH FEBRUARY 2021

ACKNOWLEDGEMENT

First of all, praised and thank to the Allah SWT, for his showers of blessings throughout my research work to complete the research successfully.

Secondly, we would like to show our gratitude to some organizations and individuals for always having our backs in finishing this assignment. We wish to show our sincere gratitude to our beloved lecturer, Mr. Matzaini Bin Katon for his patience, meaningful advices, enthusiasm and helpful information that have supported and helped us tremendously all the time in our research and writing this thesis. Besides, his experience and expert in this subject has enabled us to finish this research. This project would not be completed if there was no support and guidance from him.

Furthermore, we also would like to thank the Universiti Teknologi MARA (UiTM) for accepting us in graduating program. Thus, we are really indebted to our parents for always motivating and boosting our spirit in furthering through this course. We also very grateful to the Faculty of Mechanical Engineering of Universiti Teknologi MARA (UiTM) for allowing us in the Civcome Event.

Lastly, we also would like to thanks everyone in the Universiti Teknologi MARA (UiTM) who appeared to be our friends and having the same premises with all of you for the last three years was actually lovely memories.

Table of Contents

1.0 Introduction.....	1
1.1 Overview of this project.....	1
1.2 Design Objective.....	2
1.3 Scope Of project	2
1.4 Significance of the project	3
1.5 Project Planning.....	4
2.0 Problem Definition.....	5
2.1 Problem Statement	5
2.2 Problem Need/definition	6
2.3 Customer Requirement.	7
2.4 Product Design Specification:.....	13
3.0 Literature Review.....	14
4.0 Concept Generation and Evaluation	16
4.1 Concept generation	16
4.2 Concept Evaluation.....	19
5.0 Embodiment of Design	20
5.1 Layout of the design.....	20
5.1.1 Product Architecture.....	23
5.1.2 Configuration design.....	25
5.1.3 Parametric design	27
5.2 Engineering calculation	28
6.0 DETAIL DRAWING.....	34
6.1 3D RENDER DRAWING	34
6.2 PART DRAWING	35
6.3 EXPLODE VIEW	46
6.4 BILL OF MATERIALS.....	47
7.0 Prototyping.....	48
7.1 Manufacturing/Fabrication Detail.....	48
7.2 Product manual	49
7.3 Product Testing:	50
8.0 Conclusion and Recommendation:	51
8.1 CONCLUSION.....	51
8.2 Recommendation:	52
9.0 References.....	53
10.0 Appendix	54

1.0 Introduction

1.1 Overview of this project

The origin of agriculture is seen as a long-term process of fundamental social and economic significance. The consequences of the origins and early development of agriculture cannot be overestimated. They profoundly changed the operation of human communities within the last 10 000 years. All of the changes are including an increase in population density, the greater survivorship of infants in the early stages of farming yet also greater spread of density-dependant disease and other stages related to poor diet. Modern farms and agricultural operations work far differently than those decades ago, primarily because of advancements in technology, including sensors, devices, machines, and information technology. Today's agriculture routinely uses sophisticated technologies such as robots, temperature and moisture sensors and aerial images. Agriculture can be intensive or extensive which intensive agriculture uses small areas of land with lots of expensive inputs for an example market gardening. These are the types of farming which is first arable farming grows crops for example wheat and barley. Next, pastoral farming is raising animals for example cows and sheep.

1.2 Design Objective

The goal of this project is to make an improvement from existed insecticide sprayer and to develop it for a better use.

1. To determine the problem of actual insecticide sprayer.
2. To make a difference in agricultural care (pesticide control)
3. To develop and make an improvement on the insecticide sprayer.
4. To evaluate the effectiveness of the insecticide sprayer and show to farmer about this product.

Explanation

Any problem came from the actual insecticide sprayer need to be determined to change and improve the product in order to build good product. Besides, make a difference in agricultural care which primarily in pesticide control. Development in this product was needed to improve and make farmer's life become easier rather than using an old method. The farmers should give reaction to the product in order to ensure the effectiveness of the insecticide sprayer and they could save their energy and time by using this wheel insecticide sprayer product.

1.3 Scope Of project

- The insecticide sprayer usually used by the farmer that had running paddy and also people that love to gardening
- The application is to eliminate pest that can destroy the plants and it also can use to avoid that pest from come to the plants.
- The testing method use to make sure this product will run well are make a simulation in the solidwork and also make some survey to the customer that already use it. If there some thing or part that customer not comfortable with, so the product will be improved.