

BACKYARD HOG FATTENING IN SWINE PRODUCTION AREA, CYSU:  
AN ENTREPRENEURIAL DEVELOPMENT PROJECT

Entrepreneurial Development Project

ROCHELLE M. HEPAS

College of Agriculture, Food, Environment and Natural Resources

CAVITE STATE UNIVERSITY

Indang, Cavite

June 2019

**BACKYARD HOG FATTENING IN SWINE PRODUCTION AREA-CvSU:  
AN ENTREPRENEURIAL DEVELOPMENT PROJECT**

Entrepreneurial Development Project Report  
Submitted to the Faculty of the  
College of Agriculture, Food, Environment  
and Natural Resources  
Cavite State University  
Indang, Cavite

In partial fulfillment  
of the requirements for the degree of  
Bachelor of Agricultural Entrepreneurship  
Major in Animal Production

**ROCHELLE M. HEPAS**  
June 2019



## ABSTRACT

**HEPAS, ROCHELLE M. Backyard Hog fattening in Swine Production Area-CvSU: An Entrepreneurial Development Project.** Bachelor of Agricultural Entrepreneurship Major in Animal Production. College of Agriculture, Food, Environment and Natural Resources. Cavite State University, Indang Cavite. April 2019. Adviser: Cristina F. Olo, Ph.D.

This backyard hog fattening project was conducted at Cavite State University from December 14, 2018 to March 15, 2019. This project helped the student to obtain additional knowledge and developed skills in hog raising and obtain profit from the enterprise.

This backyard hog fattening project used three weanlings with an average initial weight of 14.6 kg. The weanlings were fed three times a day. Hog pre-starter pellet was fed at first 9 days of rearing, hog starter mash for 28 days, hog grower pellet for 39 days and hog finisher pellet for 16 days to marketing. Water was made available at all times. After 92 days of rearing, the hogs weighed an average of 96.3 kg, with an average gain in weight of 81.6 kg and average daily gain (ADG) of 887.7 g. The hogs consumed a total of 206.2 kg of feeds and attained an average feed efficiency (FCE) of 2.5.

The total sales of the project was ₱ 36,615.00 and the total cost of production was ₱ 30, 608.44. A total net income of ₱ 6,006.56 was obtained with a return of investment (ROI) of 19.62%.

## TABLE OF CONTENTS

	Page
<b>BIOGRAPHICAL DATA .....</b>	<b>iii</b>
<b>ACKNOWLEDGEMENT .....</b>	<b>iv</b>
<b>ABSTRACT .....</b>	<b>vi</b>
<b>TABLE OF CONTENTS .....</b>	<b>vii</b>
<b>LIST OF TABLES .....</b>	<b>ix</b>
<b>LIST OF FIGURES .....</b>	<b>x</b>
<b>LIST OF APPENDIX FIGURES .....</b>	<b>xi</b>
<b>INTRODUCTION.....</b>	<b>1</b>
Description of the Project .....	2
Objectives of the Project .....	2
Time and Place of the Project .....	2
<b>DESCRIPTION OF THE ENTERPRISE.....</b>	<b>3</b>
Location and Layout of the Project .....	3
Timetable of Activities .....	5
Production Activities .....	7
Preparation of housing .....	7
Procurement of stocks and feeds .....	7
Initial and final weighing .....	7
Feeding .....	7
Health and sanitation .....	8
Marketing .....	8
Recording .....	8

<b>FINANCIAL ANALYSIS.....</b>	<b>9</b>
Project Outcome .....	9
Actual and Projected Cost and Return .....	11
Financial Ratios .....	14
<b>PROBLEMS, SOLUTIONS AND INSIGHTS .....</b>	<b>16</b>
Problems .....	16
Solutions .....	16
Insights .....	14
<b>PLANS.....</b>	<b>17</b>
<b>SUMMARY AND CONCLUSION .....</b>	<b>18</b>
Summary.....	18
Conclusion.....,	18
<b>REFERENCES .....</b>	<b>19</b>

## LIST OF TABLES

Table	Page
1 Comparison of the actual and projected timetable of activities of fattening three hogs, C/Y 2018-2019.....	5
2 Comparison of the actual and projected production performance of fattening three hogs, C/Y 2018-2019.....	9
3 Comparison of the actual and projected cost and return analysis of fattening three hogs, C/Y 2018-2019.....	11
4 Comparison of the actual and projected profitability ratios of fattening three hogs, C/Y 2018-2019 .....	14

## LIST OF FIGURES

Figure	Page
1 Location map of the project .....	3
2 Pig pen used in the project .....	4

## LIST OF APPENDIX FIGURES

<b>Appendix Figure</b>	<b>Page</b>
1 Student entrepreneur .....	21
2 Disinfecting the pig pen .....	22
3 Disinfectant .....	23
4 Feed .....	24
5 Ivermectin .....	25
6 Biogas .....	26
7 Leaves of oregano for cough.....	27
8 Tylosin® .....	28
9 Disinfecting the pig pen using Omnivet® disinfectant.....	29
10 Final weighing of carcass.....	30
11 Final weighing .....	31



# **BACKYARD HOG FATTENING IN SWINE PRODUCTION AREA-CvSU: AN ENTREPRENEURIAL DEVELOPMENT PROJECT**

**Rochelle M. Hepas**

---

An entrepreneurial development project report submitted to the faculty of the College of Agriculture, Food, Environment and Natural Resources, Cavite State University, Indang, Cavite in partial fulfillment of the requirements for the degree of Bachelor of Agricultural Entrepreneurship major in Animal Production with Contribution No. EDP 2019-63. Under the supervision of Dr. Cristina F. Olo, Ph.D.

---

## **INTRODUCTION**

Backyard hog raiser continues to be an important form of livestock production in many low income countries like the Philippines. Despite the presence of large scale swine farms in some areas of the country, backyard hog raising still predominates in the rural areas. It is a fast growing home based business in the Philippines that generates profit in a short period of time (Santos, 2013). It is one of the livestock enterprises that adds to the meager income of every marginal farmer (Armenia, 2016).

It is therefore necessary that entrepreneurial knowledge and skills must be practiced before engaging in this enterprise. This backyard hog fattening entrepreneurial project focused on the production and marketing of hogs. This exposed the student entrepreneur to the actual conduct of a backyard hog raising project.