MAJOR PRACTICE IN DAIRY PRODUCTION AND MILK PROCESSING

ANDREA JANE CACABILOS AGUNOY

Submitted to the faculty of the Department of Animal Science
College of Agriculture, Central Luzon State University
In partial fulfillment of the requirements
for the degree

BACHELOR OF SCIENCE IN AGRICULTURE
(Animal Science)

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This major practice report entitled **"MAJOR PRACTICE IN DAIRY PRODUCTION AND MILK PROCESSING"**, prepared and submitted by **ANDREA JANE CACABILOS AGUNOY** in partial fulfillment of the requirements for the degree Bachelor of Science in Agriculture (Animal Science) is hereby accepted.

EDGAR A. ORDEN
Adviser

Date Signed

APOLINARIO L. SALAZAR, JR
Project Manager
PCC at CLSU Dairy Farm

1-5-16
Date Signed

OLIVER F. CELESTINO
Department Major Practice Coordinator

1/11/16
Date Signed

IRENE J. DOMINGO
Department Chairman

1/12/16
Date Signed

Approved:

ERNESTO A. MARTIN
College Dean

1-14-16
Date Signed

Recorded:

JAYSON J. JUAN
College Major Practice Coordinator

1-13-16
Date Signed

BIOGRAPHICAL SKETCH

The author is Andrea Jane Cacabilos Agunoy was born in Brgy. Tondod, San Jose City on November 30, 1994. She is the fourth among the six siblings in the family. Her beloved parents are Armando B. Agunoy and Carmelita C. Agunoy.

She took up her elementary at Tondod Elementary School and finished her secondary education at Tondod High School at San Jose City, Nuva Ecija. After graduation, she enrolled her college degree at Central Luzon State University and took Bachelor of Science in Agriculture, Major in Animal Science with Dairy Production and Milk Processing as her field of specialization. She finished her major practice in the Philippine Carabao Center at CLSU Dairy Farm, Science City of Muñoz, Nueva Ecija.

During her college life she joined and become a member of Society of Animal Science where she learned how to deal with different people.

She treasures her friends and family the most and aims to finish her degree because education is a gift that none can take away.

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ANDREA JANE CACABILOS AGUNOY

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ABSTRACT

ANDREA JANE CACABILOS AGUNOY, Department of Animal Science, College of the Agriculture, Central Luzon State University, Science City of Muñoz, Nueva Ecija.

Major Practice in Dairy Production and Milk Processing

Venue: Philippine Carabao Center (PCC) at CLSU Dairy Farm
Central Luzon State University
Science City of Muñoz, Nueva Ecija

ADVISER: DR. EDGAR A. ORDEN

The Department of Animal Science, College of Agriculture, Central Luzon State University, offers major practice program as an option to undergraduate thesis. This was designed to expose the students into actual farming situation to acquire technical and managerial skills needed in the actual farming condition and for increasing productive employment either in private or government agencies.

The author conducted the major practice at the Philippine Carabao Center at CLSU Dairy Farm and was assigned to the production area from May to September 2015 and another 80 hours for milk processing at PCC outlet. The institution provided all the inputs necessary for the production with the supervision of the farm manager, veterinarian, farm workers and his adviser.

Technical skills and management practices are the concerns like feeding; cleaning and sanitation, veterinary drugs administration, breeding, milking, milk handling and milk processing were experienced by the major practice student, also, with the close supervision of the farm manager and animal caretakers.

The total herd inventory of the PCC Dairy Farm at the start of the major practice was 84 head. Three calves died due to bloat, pneumonia and acute gastro-intestinal infection and sixteen calves where produced in the month of June, August and September.

The highest milk production performance was obtained during the month of September with 4,453.23 kg while the lowest milk production performance was obtained during the month of April with3,040 kg. Almost 87.46 % of total milk produced was processed, while others were fed to calves, used for analysis and given as token. Pasteurized milk, low fat milk, choco milk, rice milk, coffee milk, lacto juice, yogurt milk, whey milk, kesongputi, *pastillas de leche*, polvoron, were the milk products manufactured and sold in the farm.

The total income of the farm during the major practice was Php1, 503,798.00. Total expenses amounted to Php1, 906,247.9. The resulting net income was Php402, 449.9 and the computed return on expenses (ROE) was 21.11%.

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