

**MAJOR PRACTICE IN SELECTED VEGETABLES GROWN IN BAHAY KUBO
GARDEN AT COLLEGE OF AGRICULTURE (DRY SEASON 2019)**

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*An undergraduate major practice manuscript presented to the faculty of the Department
of Crop Science, College of Agriculture, Central Luzon State University,
Science City of Muñoz, Nueva Ecija in partial
fulfillment of the requirements
for the degree*

**BACHELOR OF SCIENCE IN AGRICULTURE
(Crop Science - Horticulture)**

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ACCEPTANCE SHEET

This undergraduate Major Practice entitled "MAJOR PRACTICE IN SELECTED VEGETABLES GROWN IN BAHAY KUBO GARDEN AT COLLEGE OF AGRICULTURE (DRY SEASON 2019)", prepared and submitted by MIKAELA EMATA GATBUNTON, in partial fulfillment of the requirement for the degree of BACHELOR OF SCIENCE IN AGRICULTURE, is hereby accepted:



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BIOGRAPHICAL SKETCH

MIKAELA E. GATBUNTON was born on July 13, 1998 in Malapit, San Isidro, Nueva Ecija. She is the second born child of Mr. Michael E. Gatbunton and Mrs. Kathleya E. Gatbunton. She has two brothers, the eldest is Al Klivefferson B. Emata and the youngest is Klive Mikael E. Gatbunton.

She completed her primary education at Sto. Cristo Elementary School, San Isidro, Nueva Ecija in 2011 and secondary education at General De Jesus College, Poblacion, San Isidro, Nueva Ecija in 2015. After graduating in high school, she decided to study for her tertiary education at the Central Luzon State University, Science City of Muñoz, Nueva Ecija and took up Bachelor of Science in Agriculture, major in Crop Science, specialized in Horticulture.

The author learned many things in her college life. Not like in high school that is happy go lucky, college life is full of struggles, patience, as well as perseverance and determination to survive and to pursue excellence in studying. As part of the requirement of her BS Agriculture degree program, she conducted her major practice entitled Major Practice in Vegetable Production at the Bahay Kubo Garden, College of Agriculture (Dry Season 2019) at Bahay Kubo Garden, College of Agriculture, Central Luzon State University, Science City of Muñoz, Nueva Ecija.

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ABSTRACT

GATBUNTON, MIKAELA E., Department of Crop Science, College of Agriculture, Central Luzon State University, Science City of Muñoz, Nueva Ecija, 2019.

Title: **Major Practice in Selected Vegetables Grown in Bahay Kubo Garden at College of Agriculture (Dry Season 2019)**

Venue: Bahay Kubo Garden, Department of Crop Science, College of Agriculture, Central Luzon State University, Science City of Muñoz, Nueva Ecija

Adviser: **PROF. PACIFICO T. VIZMONTE JR.**

Project-in-charge: **HARRY JAY M. CAVITE**

This major practice was conducted from January 21, 2019 to April 26, 2019 in the Department of Crop Science, College of Agriculture, Central Luzon State University, Science City of Muñoz, Nueva Ecija.

The general objective of this major practice was to expose the student to the production management of different crops in the Bahay Kubo Garden. The specific objectives are to perform the cultural practices as required in the production of Brassicas and Cucurbits vegetables planted in Bahay Kubo Garden, to improve and maintain the upkeep of the Bahay Kubo Garden and lastly to assess the profitability of assigned vegetables using cost and return analysis.

In brassicas and cucurbits production, enough knowledge such as accurate plant spacing, proper sowing and pinching and applying adequate amount of fertilizer and

pesticide and hands-on management is necessary to maintain its productivity and profitability.

During the duration of major practice, the student was exposed to different cultural management practices involved in producing vegetable relying to the Brassicaceae (radish and mustard) and Cucurbitaceae (wax gourd, sponge gourd, bottle gourd and squash). Field operation in the Bahay Kubo Garden like land preparation, sowing of seeds, fertilizer application, water management, pest and weed management, harvesting, sorting, and marketing.

The generated sales for both the two group of vegetables totaled Php 1136.00 (Php 201.00 for cucurbits and Php 935.00 for brassicas) After deducting the total expenses from gross income a total of Php 681.87 was loss to cucurbits production while Php 740.73 in brassicas production.

The different constraints that have the Bahay Kubo Garden are first phenological development of bottle gourd. Unfortunately, the seed testing was overlook, maybe it was already old and not hybrid. Second was pests in cucurbits. In vegetative stage of cucurbits, aphids and thrips attack the plants. And last poor security in the area.

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