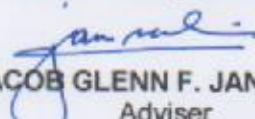




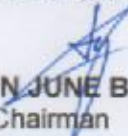
### TRANSMITTAL

The undergraduate thesis attached hereto entitled, **"NPK LEVELS OF FORMULATED FERMENTED PLANT JUICE-BASED LIQUID FERTILIZER AND THEIR EFFECTS ON BASIL (*Ocimum basilicum* L.) PRODUCTION"** prepared and submitted by JENAIA ABIAR ANDAYA in partial fulfillment of the requirements for the degree of **BACHELOR OF SCIENCE IN CHEMISTRY 2<sup>nd</sup> semester** AY 2021 - 2022 is hereby accepted.

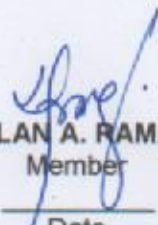
  
**JACOB GLENN F. JANSALIN**  
Adviser

\_\_\_\_\_  
Date

Student Research Committee:

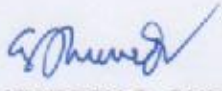
  
**MERVIN JUNE B. GASATAN**  
Chairman

\_\_\_\_\_  
Date

  
**ALLAN A. RAMAL**  
Member

\_\_\_\_\_  
Date

Accepted as partial fulfillment of the requirements for the degree of **BACHELOR OF SCIENCE IN CHEMISTRY**.

  
**ELIZABETH S. QUEVEDO**  
Head  
Department of Pure and Applied Chemistry

\_\_\_\_\_  
Date

**MA. THERESA P. LORETO**  
Dean  
College of Arts and Sciences

\_\_\_\_\_  
Date



**RESEARCH APPROVAL SHEET**

2nd semester AY 2021 - 2022

**"NPK LEVELS OF FORMULATED FERMENTED PLANT JUICE-BASED LIQUID  
FERTILIZER AND THEIR EFFECTS ON BASIL (*Ocimum basilicum* L.)**

**PRODUCTION"**

Title of Thesis

☐ Proposal / Outline

☐ Manuscript

NAME OF STUDENT : JENAIA A. ANDAYA

Degree Program : Bachelor of Science in Chemistry

APPROVED : Jacob Glenn F. Jansalin

Adviser July 14, 2022  
Date

REVIEWED : Student Research Committee:

Mervin June B. Gasatan  
MERVIN JUNE B. GASATAN Chairperson July 14, 2022  
Date

Allan A. Ramal  
ALLAN A. RAMAL Member July 14, 2022  
Date

APPROVED: Elizabeth S. Quevedo  
ELIZABETH S. QUEVEDO

Head, DoPAC July 14, 2022  
Date

MA. THERESA P. LORETO

Dean, CAS \_\_\_\_\_  
Date





**VISAYAS**  
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**UNDERGRADUATE RESEARCH PROPOSAL/MANUSCRIPT ROUTING SLIP**  
2nd Semester AY 2021 - 2022

☐ Proposal / Outline ☒ Manuscript

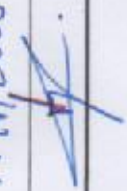
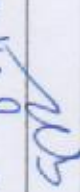
Name: JENAIA A. ANDAYA Course and Year: BS Chemistry Major Field: \_\_\_\_\_

Title of thesis/special problem/engineering project report/case study: "NPK LEVELS OF FORMULATED FERMENTED PLANT JUICE-BASED LIQUID FERTILIZER AND THEIR EFFECTS ON BASIL (*Ocimum basilicum* L.) PRODUCTION"

| Name                                  |           | REVIEWS/COMMENTS                                      |                          |                         |                 |
|---------------------------------------|-----------|-------------------------------------------------------|--------------------------|-------------------------|-----------------|
|                                       |           | 1 <sup>st</sup>                                       | 2 <sup>nd</sup>          | 3 <sup>rd</sup>         | 4 <sup>th</sup> |
| JACOB GLENN F.<br>JANSALIN<br>Adviser | Received  | Date: <u>7/08/22</u><br>Comments: <u>For revision</u> | <u>12 July '22</u>       | <u>12 July '22</u>      |                 |
|                                       | Returned  | Date: <u>7/11/22</u><br>Comments: _____               | <u>12 July '22</u>       | <u>13 July 23</u>       |                 |
|                                       | Signature | <u>Jansal</u>                                         | <u>Jansal</u>            | <u>Jansal (approve)</u> |                 |
| ALLAN A. RAMAL<br>SRC Member          | Received  | <u>7/13/2022</u>                                      | <u>7/14/2022</u>         |                         |                 |
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|                                       | Signature | <u>Jmy</u>                                            | <u>Jmy</u>               |                         |                 |

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A globally competitive university for science, technology, and environmental conservation.  
Development of a highly competitive human resource, cutting-edge scientific knowledge and innovative technologies for sustainable communities and environment.

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| MERVIN JUNE B.<br>GASATAN<br>SRC Chairperson | Received  | 07/14/2022                                                                          | 07/14/2022                                                                         |  |  |
|                                              | Returned  | 07/14/2022                                                                          | 07/14/2022                                                                         |  |  |
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| ELIZABETH S.<br>QUEVEDO<br>Department Head   | Received  | July 14, 2022                                                                       |                                                                                    |  |  |
|                                              | Returned  | July 14, 2022                                                                       |                                                                                    |  |  |
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| MA. THERESA P.<br>LORETO<br>College Dean     | Received  |                                                                                     |                                                                                    |  |  |
|                                              | Returned  |                                                                                     |                                                                                    |  |  |
|                                              | Signature |                                                                                     |                                                                                    |  |  |

**Note:**

- (1) Add a row next to the Adviser if there is a Co-Adviser  
(2) Add additional columns if more reviews are needed

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