



VSU R&D ANNUAL REPORT

January – December 2022

Center/College/Department: **Ecological Farm and Resource Management Institute**

A. Research papers/posters disseminated/presented

| TITLE OF PAPER/POSTER | DATE, VENUE | RESEARCHERS/PRESENTERS |
|--|--|--|
| a. Institutional | | |
| CHARACTERIZATION AND QUALITY ASSESSMENT OF LOCALLY MADE BIOFERTILIZERS: Microbial and Molecular Analysis of Biofertilizers Developed at VSU | August 3, 2022 (Eco-FARMI Conference Room) | Robelyn T. Piamonte Romel B. Armecin Gladwin B. Goc-ong Jr. |
| Assessment of Climate Smart Agriculture in Hilly Upland Areas | August 3, 2022 | Romel B. Armecin (Project Study Leader) Dhenber C. Lusanta (Co-Project Study Leader) Jesimiel A. Curbita (SRA) |
| Standardization, Reformulation, and Utilization of Organic Fertilizers in VSU (ORP04 - EFS 3.1418-1) | RDE In-House Review/Eco-FARMI, VSU /August 3, 2022 | Romel B. Armecin/Suzette B. Lina/ Judy Anne A. Gamboa |
| b. Regional | | |
| c. National | | |
| d. International | | |
| A model for a local-government supported community farm: Experiences of Urminita's Farm in Rizal, Philippines | June 27-28, 2022, Siem Reap, Cambodia | Dhenber C. Lusanta |
| Experiences of a Smallholder Farmers' Association on Good Agricultural Practices (GAP) Certification: A Success Story Grounded on Internal and External Support Mechanisms | October 19-21, 2022, Chiang Mai Thailand | Dhenber C. Lusanta |
| Agriculture as a Way of Life: The case of CANAAN Hill farms, Biliran, Philippines | October 19-21, 2022, Chiang Mai, Thailand | Dhenber C. Lusanta |
| From Forest Greens to Vegetable Gardens: The Case of Villa Conzoilo Farm in Leyte, Philippines | October 19-21, 2022, Chiang Mai, Thailand | Dhenber C. Lusanta |

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|--|---|--------------------|
| Certifying Agritourism Farms: Two Cases of Agritourism Farms in Cavite and Biliran, Philippines | October 19-21, 2022, Chiang Mai, Thailand | Dhenber C. Lusanta |
| Agritourism Model as an Opportunity for Inclusion: A Case of Agritourism Farms in Leyte, Philippines | October 19-21, 2022, Chiang Mai, Thailand | Dhenber C. Lusanta |

B. Attendance of researchers to scientific *fora*/ training/workshop/seminars

| TITLE | DATE, VENUE | RESEARCHERS ATTENDED |
|--|---|--|
| a. Institutional | | |
| In-House Review (RDE) Presentation (Level 1) | August 3, 2022 (Eco-FARMI Conference Room) | Robelyn T. Piamonte Gladwin B. Goc-ong Jr. |
| RDE In-House Review | Eco-FARMI, VSU /August 3, 2022 | Romel B. Armecin/Suzette B. Lina/ Judy Anne A. Gamboa |
| b. Regional | | |
| 34th Regional RDEI Symposium | November 17-18, 2022 (RDE Hall) | Robelyn T. Piamonte Gladwin B. Goc-ong Jr. Jerome O. Arribado |
| c. National | | |
| d. International | | |
| | June 27-28, 2022, Siem Reap, Cambodia | Ms. Jewel Jonna Cabardo |
| | October 19, 2022 Chiang Mai, Thailand | Dr. Nico Jayson Anastacio Mr. Dhenber C. Lusanta Ms. Hadasha N. Bongat Ms. Jewel Joanna Cabardo Mr. Gideon Niel D. Tan Ms. Gracielle Dawn L. Tan Mr. Ludivico B. Rabia |

C. Technologies/Information patented and commercialized

- Technology patented (**Please give a brief description of the technology, generator and the status of patenting**)
- Technology commercialized (**Please give a brief description of the product, impact and the researcher/generator**)

D. Research papers published

| | TITLE | AUTHOR (S) | DATE/YEAR/PUBLICATION/ PUBLISHER | Remarks |
|--|-------|------------|-------------------------------------|---------|
| a. Refereed Journal | | | | |
| Institutional | | | | None |
| National | | | | None |
| International | | | | None |
| b. Semi-popular publ'n (newsletter, etc.) | | | | None |
| c. Popularized pub'ln (technoguides, etc.) | | | | None |
| d. Book Chapter/s | | | | None |
| e. Books | | | | None |

E. R and D awards and recognitions received

| NAME OF AWARDS | TITLE OF PAPER/ POSTER GAINED AWARD | RECIPIENT/S | PLACE AWARDED | DATE AWARDED | AWARD OBTAINED (Plaque; if cash, indicate amount) | SPONSORING AGENCY |
|------------------|-------------------------------------|-------------|---------------|--------------|---|-------------------|
| a. Institutional | NA | | | | | |
| b. Regional | NA | | | | | |
| c. National | NA | | | | | |
| d. International | NA | | | | | |

F. R and D inter-agency linkages forged/maintained

| NAME OF AGENCY | NATURE OF LINKAGE | Brief Description of Linkage | Remarks (specify amt generated, etc.) |
|---------------------------------|-------------------|---|---|
| a. Local (with LGUs, NGOs, POs) | Partnership | The project team, LGUs in Eastern Visayas, and City Agriculture of Baybay have worked together in promoting GAP in the locality. | LGU committed to provide local farmers with relevant supports services related to GAP such as providing space/location to market their GAP certified produce. |
| b. Regional | | The Department of Agriculture and Agricultural Training Institute Region 8 were part of the Regional Advisory Council for GAP. | |
| c. National | | The Bureau of Plant Industry Central Office have committed to provide relevant assistance and support on the promotion and adoption of GAP in the region. | Have been conducting seminars for GAP in region 8. |
| d. International | | Australian Centre for International Agricultural Research and University of New England funded the project. | Php3,389,800.00 |

G. List of Ongoing/ Completed R&D Projects

| Program/Project/ Study Title | Proponent/s | Collaborator/ cooperator | Lead Agency | Collaborating Agency |
|--|-----------------|---------------------------|-------------------|---------------------------|
| Agritourism Farms as Conduit for Good Agricultural Practices | Dr. Nico Jayson | Dr. Nico Jayson Anastacio | University of the | University of New England |

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| (GAP) in Eastern Visayas, Philippines | Anastacio Mr. Dhenber C. Lusanta Ms. Jewel Joanna Cabardo Ms. Hadasha N. Bongat Mr. Gideon Niel D. Tan Ms. Gracielle Dawn L. Gamotin | Mr. Dhenber C. Lusanta Ms. Jewel Joanna Cabardo Ms. Hadasha N. Bongat | Philippines Los Baños (UPLB) Visayas State University (VSU) | |
| CHARACTERIZATION AND QUALITY ASSESSMENT OF LOCALLY MADE BIOFERTILIZERS: Microbial and Molecular Analysis of Biofertilizers Developed at VSU | Robelyn T. Piamonte Romel B. Armecin Gladwin B. Goc-ong Jr. | NARC PDDL | Eco-FARMI | N/A |
| Assessment of Climate Smart Agriculture in Hilly Upland Areas | Romel B. Armecin (Project Study Leader) Dhenber C. Lusanta (Co-Project Study Leader) | | Eco-FARMI | |
| Standardization, Reformulation, and Utilization of Organic Fertilizers in VSU (<i>ORP04 - EFS 3.1418-1</i>) | Romel B. Armecin, Suzette B. Lina | | Eco-FARMI | |
| | | | | |

H. List of Trainings/ Seminars/ Workshops Conducted

| Title of Training/Seminar/Workshop | Date conducted | Venue | No. of Participants | Sponsoring Agencies |
|------------------------------------|-----------------------|----------|---------------------|---------------------|
| 34 th RRDEN Symposium | November 17-18, 2022) | RDE Hall | 1 | OVPREI |
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I. List of equipment/facilities purchased/enhanced

| Equipment Purchased/ Upgraded/ Facilities Enhanced | Location/ Agency | Expenditure/ Cost | Source of Funds |
|--|------------------------|-------------------|-----------------|
| Printer | GREENWARE, Baybay City | Php21,295.00 | ACIAR |
| Laminator | GREENWARE, Baybay City | Php2,650.00 | ACIAR |
| Laptop | POWERMAC | Php77,990.00 | ACIAR |
| Galvanized welded wire mesh, Assorted size | Eco-FARMI Demo Farm | Php 20,210.00 | VSU GAA |
| Cement, Portland, APO | Eco-FARMI Demo Farm | Php 1,250.00 | VSU GAA |
| G.I Sheet Corrugated | Eco-FARMI Demo Farm | Php 6,000.00 | VSU GAA |
| Nails, Assorted size | Eco-FARMI Demo Farm | Php 477.00 | VSU GAA |
| Coco-lumber, Assorted size | Eco-FARMI Demo Farm | Php 5,120.00 | VSU GAA |