



# IP-TBM IN FOCUS

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Quarterly Publication of the PSAU Intellectual Property & Technology Business Management Office

## THE LAST ISSUE

### Innovation Office now under OVP-RET, oversees IP-TBM, Sibul TBI

Sherry Lyn D. Supan

**December 14** – The Innovation Office is now under the auspices of the Office of the Vice President for Research, Innovation, Extension & Training, pursuant to Board Resolution No. 23-117 signed by the University Board of Regents.

The Innovation Office previously reported to the Office of the Vice President for Planning, Innovation, Linkaging, Land & Agroecological Resources for Development.

This came after the University's ongoing strategy to improve organizational structure based on emerging trends and needs.

Prior, Vice President Geraldine C. Sanchez and Director Walter L. Pacunana authored the position paper justifying the request for reorganization, which was ultimately submitted to the Board.

"We see it crucial to properly align functions of all offices and centers within the University to avoid reduplication of efforts and resource spending, thereby increasing our efficiency and productivity as a whole," said Director Pacunana.

Pacunana now takes the helm of the Office of Innovation, formerly the Innovation Center

for Agroecology, Climate Change & Agripreneurship.

The Office of Innovation now takes oversight of different offices and centers previously handled by other higher offices.

The Intellectual Property & Technology Business Management Office, formerly under the Research & Development Cluster; and the Sibul Technology Business Incubator, formerly under the IP-TBM Office are currently serve as its major units.

The Knowledge Management Center and the Information & Communication Technology Research and Development, formerly under the Extension & Training Office, are now sub-units of the IPTBM Office.

#### EDITOR'S NOTE

The IP-TBM In Focus and Bulletin, will now sign off and rebrand in 2024 to join the transition. As always, we are one with the University towards an innovation-driven learning community.



## DOST-PCAARRD's RAISE Program Batch 2 commences

Robby D. Lalu

The Regional Agri-Aqua Innovation System Enhancement Program's Batch 2 officially started its implementation after the inaugural meeting held October 2 in Central Luzon State University.

The University, through the IPTBM Office, is one of the regional implementing agencies in Central Luzon.

Director Walter L. Pacunana and IPTBM Manager Divine Reine S. Aquino represented the University.

Pacunana leads the Regional IPTBM Sub-program and PSAU ATBI Project. Meanwhile, Aquino leads the Institutional IPTBM.

This is the third consecutive time that the Department of Science & Technology – Philippine Council for Agriculture, Aquatic and Natural Resources Research & Development funded the

University's IPTBM efforts.

PSAU ATBI project is in its second phase.

In total, DOST-PCAARRD granted the University a total of Php16 million for the implementation of the three projects in the next two years.

The inception meeting drew innovation advocates from the Cagayan Valley, Central Luzon, Central Visayas, Eastern Visayas, Western Mindanao, Northern Mindanao, SOCCSKSARGEN, and Caraga.

The event was graced by Dr. Edgar A. Orden (CLSU President), Dr. Melvin B. Carlos (DOST-PCAARRD Deputy Executive Director for OED-ARMSS), Dir. Noel A. Catibog (PCAARRD-TTPD Head), and other DOST-PCAARRD officials.

## Sibul TBI, Diaspora Farm Resort move forward tech transfer talks

Rina Montemayor

The Sibul TBI and Dr. Annette Patdu of Diaspora Farm Resort met on October 11 to discuss matters regarding the technology licensing agreement for the University's tamarind juice technology.

Specifically, they discussed the fulfillment of requirements, including fairness opinion report (FOR) and memorandum of agreement (MOA) for incubation.

As agreed, the farm resort will participate in the upcoming 2023 Regional Science, Technology & Innovation Week in Botolan, Zambales to showcase



its flagship products, including bukayo, virgin coconut oil, spiced vinegar, and fruit vinegar.

Patdu is an incubatee of Sibul TBI and the most recent recipient of the Honorary Doctorate degree of the University.

# PSAU clinches best poster award at 34th RSRDH

Robby D. Lalu

**CLSU, December 12 –** The University won the Best Poster Award at the 34th Regional Symposium on Research and Development Highlights (RSRDH) held here, marking a significant achievement in collaborative research efforts.

Led by Vice President Geraldine C. Sanchez and Director Walter L. Pacunana, the University garnered acclaims for its innovative approach to advancing industry-based science and technology (S&T) solutions.

IP-TBM Manager Divine Reine Aquino presented the winning poster of the PSAU's patent mining project.

Aquino expressed her delight and gratitude for the accolade, stating, "This achievement underscores the dedication and commitment of our IP team and PSAU to the DOST-PCAARRD in advancing knowledge and fostering innovation in critical domains."



The winning poster showcased the significance and transformative potential of the Patent Mining Project, which focuses on extracting valuable insights from existing patent information to drive evidence-based innovation and enhance research outcomes in the agricultural and natural resources sectors.

During the symposium, posters for the PSAU-led projects, namely Bio-economic and Risk Analysis of Invasive Aquatic Species (IAS) in Pampanga and the Technology Business Incubator for Agriculture and Fishery Commodities were also presented.



# IP-TBM welcomes 4 agencies for benchmarking

Michelle N. Garcia

The University, through the IP-TBM Office, welcomed key officials from four agencies in two separate occasions as part of their benchmarking efforts to explore PSAU's best practices.

On October 3, the Central Mindanao University (CMU), Northern Mindanao Consortium for Agriculture, Aquatic and Natural Resources Research and Development (NOMCAARRD), and Cotabato Foundation College of Science and Technology (CFCST) visited together.

On December 6, the Nueva Vizcaya State University (NVSU) went alone.

The visits were led by, CMU IPTBM Director Dr. Vellormino J. Suminguit, NOMCAARRD Director Dr. Emmanuel P. Leaño, CFCST Vice President for Research, Development and Extension Dr. Onofre Corpuz and Vice President for Academic Affairs Dr. Harris M. Sinolinding, and NVSU Director Dr. Sony P. Aquino

The benchmarking visits encompassed a series of meetings, site tours, and in-depth discussions with key PSAU officials.

Director Walter L. Pacunana and IP-TBM Manager Divine Reine S. Aquino represented the office in the dialogue.

Notably, PSAU, CMU, and NVSU are part of the RAISE program's Batch 2, which commenced recently and is slated for completion in 2025.

Pacunana shared, "We are honored that many institutions take their time to engage us in conversations about our programming which they can integrate to their own."

"This suggests that the office is recognized for its current performance, but we still aim to improve more," he added.



IPTBM Director Sony P. Aquino leads NVSU in benchmarking PSAU IP-TBM's best practices.



CMU, NOMCAARRD, CFCST visits the office of the president



CMU with the IP-TBM staff



Director, Dr. Vellorimo J. Suminguit leads the CMU during their benchmarking activity.

# RAISE IPTBM completes modules 1-3 of 6th IPMC

Abigail Z. Cabrera

The strong motivation to promote successful intellectual property management and technology commercialization has grown with the near end of the 6th Intellectual Property Masterclass (IPMC).

The RAISE IPTBM successfully completed modules 1-3 this year, focusing on IP application processes such as prior art search, invention spotting, and claim drafts. These modules were designed to guide trainees in protecting Intellectual Property related to Agriculture, Aquatic, and Natural Resources (AANR) technologies.

Ms. Divine Reine S. Aquino, PSAU IPTBM Manager, along with Ms. Anne Gellie T. Dimabuyu, Assistant IP Manager, participated in the event, leading sessions on Mechanical and Chemical topics, respectively.

During both sessions, participants practiced creating prior art search reports and claim drafts, gaining skills similar to those of an Intellectual Property (IP) practitioner. The sessions focused on analyzing innovative aspects of technologies in chemical and mechanical fields.

Notably, each trainee would need to comply with a total of 5 modules which would be handled by certified IP agents.



A mock exam and online IP application filings were designed to be the final requirements of the masterclass to fully adopt the learned practices.

The training started on November 07, 2023, as part of the RAISE Program by the Department of Science and Technology – Philippine Council for Agriculture, Aquatic, and Natural Resources Research and Development (DOST-PCAARRD). The training is conducted by the DOST-PCAARRD with the help of the Association of PAQE (Patent Agents Qualifying Examinations) Professionals, Inc. (APPI).

The nationwide training was also joined by institutions across the Philippines which were part of the Batch2 of the RAISE Program, particularly from Region II (Cagayan Valley), III (Central Luzon), VII (Central Visayas), IX (Zamboanga Peninsula), X (Northern Mindanao), XII (SOCCSKSARGEN), and XIII (Caraga).



# Sibul TBI showcases agri-based innovations at RSTW

Cielo Guiao



**BOTOLAN, ZAMBALES** — The Sibul TBI showcased its incubatees' agri-based innovations at the 2023 Regional Science, Technology & Innovation Week on October 18–20.

Themed "Siyensya, Teknolohiya at Inobasyon: Kabalikat sa Matatag, Maginhawa at Panatag na Kinabukasan," the three-day event featured a technology exhibition and science fair.

Among the innovative products are the Sibul TBI's incubatees products including the Chips De Rizal Banana Chips, Apung Sonia's Homemade Buru,

Odessa Mushroom Chicharon, Mills Enterprises' Mushroom Paste, Root Vegetable-Chips, Diaspora's Virgin Coconut Oil, and Fruit and Spiced Vinegar.

The Research & Development Cluster through Tamarind RDE Center also showcased its Aglibut Sweet Tamarind products and mushroom creations at the event.

RSTW was coordinated by the SULONG Central Luzon Start-Up Consortium and hosted by the Department of Science & Technology (DOST) Regional Office III.



## Sibul TBI helps USAVI Ube Pre-Processing

Queency Eurreanne G. Castillo

The Sibul TBI, Usborg Sibol Agri-Ventures, Inc., Sibul TBI incubatee and a member of farmer cooperative in Porac, Pampanga met in Concepcion, Tarlac to lay out plans for ube production and processing activities in 2024.

USAVI suggested that the group should source ube growers who use staggered planting so that they can supply raw materials regularly.

The business management team also expects to

acquire ube samples in the first quarter of 2024 in order to proceed with processing and developing ube powder, ube jam, and other ube-based products.

For their part, the Sibul TBI team facilitates proposal development for an ube-processing facility as commitment to the business incubatee.

USAVI President Prof. Ronald Malicdem led the meeting. He was accompanied by business partners, Dr. Eduardo Tuazon, Jefrey Crusis, and Verman Reyes.

# PSAU, PCAARRD conducts ATBI Phase I terminal review

Jesusa Flor Nasarro

The terminal review of the project titled “DOST-PCAARRD PSAU Agri-Aqua Technology Business Incubator (ATBI) was conducted on November 23, 2023 at the PSAU Library Conference Room.

The said terminal review was set in response to the recent completion of the PSAU ATBI Phase I project of Sibul TBI which ran from November 1, 2021, to October 31, 2023.

Innovation Director and Sibul TBI Head, Prof. Walter L. Pacunana presented the detailed account of the milestones achieved by the project over the course of its Phase I implementation.

Prof. Pacunana discussed the project's accomplishments in terms of the DOST 6Ps project output guide along with the social and economic impact where Sibul TBI had the highest percentage of accomplishment in the publication with a 1,300% rate.

Also, DOST-PCAARRD Technology Transfer and Promotion Division (TTPD) led by Dir. Noel A. Catibog served as review committee in providing comments and suggestions to the presentation of accomplishments of the Sibul TBI.



Ways forward, Dir. Catibog suggested that in the duration of the ATBI Phase II project through the Project 3B of the RAISE Program in Central Luzon implementation, Sibul TBI shall conduct activities prioritizing pre-commercialization and commercialization of PCAARRD-funded technologies such as tamarind, and bamboo technologies.

It could be noted that the university is currently implementing its PSAU ATBI Phase II project titled “Enhancement of the Agri-Aqua Technology Business Incubator in Pampanga State Agricultural University (PSAU) through the RAISE Program.” This project will serve as a continuation of the PSAU ATBI Phase I. It will run for two years from October 1, 2022 to September 30, 2025.

To recapitulate, the terminal review served as a foundation for refining strategies, addressing challenges, and enhancing the project's impact in the subsequent phases.

# PSAU, VSU kick off co-incubation with virtual training on portable vacuum-frying technology

Queency Eurreanne G. Castillo



**November 10** – The Sibul TBI and Visayas State University hosted a virtual training-workshop on portable vacuum-frying technology for the Florida-Lubao Organic Farmers' Association led by Maria Concepcion Arcega, a Sibul TBI incubatee.

The incubatee and her association secured said technology prior; however, they have not been formally trained how to operate it.

VSU Science Research Assistant, Benjamin Cinto Jr. led the activity and shared the standard operating

procedure so that the participants could maximize the technology.

Cinto specifically discussed the labels and parts of the machine, steps about activating the vacuum motor, preparation of materials during preheating, cooking, and post-cooking.

The activity is stipulated in the co-incubation partnership between PSAU and VSU signed on June 06, 2023.



## Sibul TBI taps ALIAS RDE Center for hydroponics training

Maricel B. Ramos

The Alternative Low-Input Agriculture Systems (ALIAS) RDE Center trained two Sibul TBI incubatees on hydroponics production.

ALIAS Center's Manny Pangilinan guided the participants and Sibul TBI personnel to the hydroponic greenhouse, where he conducted a hands-on demonstration of the hydroponic system and its operation.

Pangilinan also highlighted the scalability of hydroponic production and suggested transitioning to more efficient recirculating systems as operations expand.



This training reflects Sibul TBI and ALIAS RDE Center's dedication to promoting agricultural innovation and sustainability, empowering incubatees and other farmers to enhance productivity and resilience.

# PSAU, USAVI, DA-CLIARC discuss partnership

Jesusa Flor Nasarro



The Sibul TBI, Usbong Sibol Agri-Ventures, Inc., and Department of Agriculture CLIARC for Upland Development - Magalang, Pampanga convened on December 14, 2023 for a meeting regarding their possible partnership, held at DA-CLIARC Sto. Niño, Magalang, Pampanga.

The meeting was focused on potential collaboration in ube (purple yam) production and processing, which is a priority industry for development by USAVI in its incubation efforts.

Dr. Emily Soriano, Chief Agriculturist of DA-CLIARC, hosted the group at the station and shared information about the different types of ube grown in Pampanga and Zambales.

Also, she presented the agency's ongoing projects related to ube and showcased various products made

from this versatile crop.

Dr. Soriano toured the Sibul TBI and USAVI in their ube tissue culture facility housed at the station, underscoring the potential opportunities that could emerge from leveraging this state-of-the-art facility.

After a fruitful discussion, USAVI, PSAU, and DA-CLIARC agreed to start a collaborative partnership. This collaboration's official launch signifies a major step forward in boosting agricultural innovation and uplifting the ube sector.

Expected results include advancements in economic and agricultural development in the region, aligning well with the university's larger aims of innovation and sustainability.



## Sibul TBI attends startup, design thinking webinars

Patricia Mae Guintu

Three staff of the Sibul TBI recently participated in two seminars organized by the Ateneo de Davao University and UP SOLAIR IR Class 225.

Held via Zoom on December 7 and 10, the seminars titled "Launchpad Activate! A Start-Up Safari" and "Design Thinking 101 in the Context of HR: A Free Webinar for SMEs and HR Professionals" brought together experts and enthusiasts to explore start-up culture and design thinking trends.

During the first seminar, Arnel B. Arreglado, CEO of GeoPindot, delivered an inspiring keynote, "If the opportunity doesn't knock, don't waste time waiting for it rather you build your own path towards it."



Meanwhile, Dr. Virgel C. Binghay facilitated the second webinar, emphasizing the importance of creative problem-solving.

Sibul TBI staff's participation highlights their dedication to staying updated and acquiring skills to foster innovation in agriculture.

# Sibul TBI, DTI-CARP collaborate to enhance mushroom chicharon production

Robby D. Lalu

Sibul TBI and DTI-CARP teamed up to support entrepreneurship and enhance its production quality. They visited one of the Sibul TBI incubatees the Odessa Food Products Manufacturing facility in Fiesta Homes, Tabun, Mabalacat City, Pampanga on December 5, 2023.

The visit aimed to understand Odessa Food Products Manufacturing's needs, especially for their mushroom chicharon production. Ms. Melanie Quito from DTI-Pampanga led discussions on steps to launch the product, focusing on meeting regulatory standards.

Quito stressed the significance of securing a License-to-Operate (LTO) from the FDA as the first step for food processing. This requires a compliant processing facility and location plan. (Good paragraph)

To address this requirement, the Sibul TBI committed to overseeing the development of a



layout plan for the proposed processing area of Odessa Food Products Manufacturing.

Additionally, discussions included exploring avenues for financial assistance, such as applying for a loan through the Small Business Corporation (SBCorp) under DTI.

Moving forward, the Sibul TBI pledged to facilitate the necessary arrangements for Odessa Food Products Manufacturing, including assisting Ms. Lourdes Lopez, the enterprise owner, during visits to DTI-Pampanga for further guidance and support.

## 4 Sibul TBI incubatees receive biz packages from DTI-Pampanga

Maricel B. Ramos

Before the year ends, three Sibul TBI incubatees received their respective livelihood and entrepreneurship kits from the Department of Trade & Industry – Pampanga on December 21, as part of the "Pangkabuhayan sa Pagbangon at Ginhawa" PPG Program.

Lorenz Lee Lacson received the Kakanin Package which included Php11,000 worth of items for making kakanin that can mostly be used for his chips processing.

"Malaking tulong po ito para sa isang young agripreneur na katulad ko na mapalago ang negosyo," Lacson said.

In addition, Mr. Arcie C. Santos and Mr. Marvie Jake L. Torero received hydroponics packages. While Maria Sibug the owner of Indang Sonia's Burung Candaba received fish processing livelihood kit.



In 2022, Torero was also a recipient of a hydroponics package for the Kratsky method. However this year, both incubatees opted for the Nutrient Film Technique (NFT) system wherein tubes are used to distribute water from the nutrient pump to the NFT growing tubes.

Aside from the packages, Santos and Torero will also attend a training session on hydroponic vegetable production to be facilitated by DTI-Pampanga and its partner trainers.

Present during the awarding program were key officials from DTI-Pampanga led by Division Chief Ma. Cristina Evangelista and Emil Paolo Galang.

# Aglibut Sweet TAMARIND WINE

 Best Wine during the 2020 CHED Education Fair

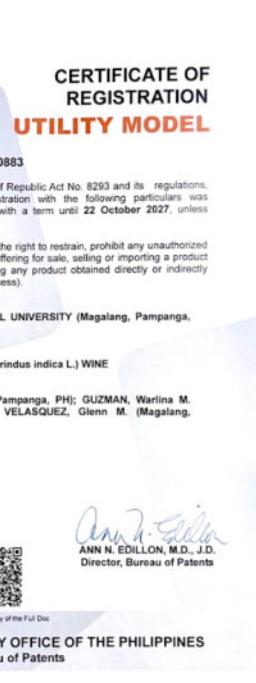
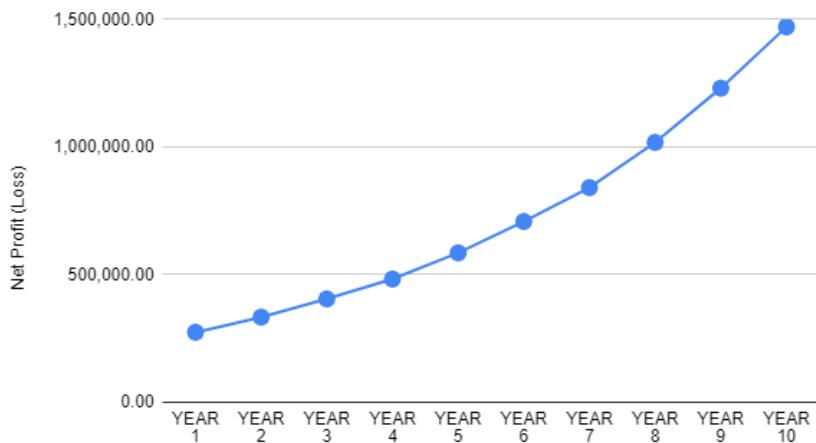


Who would have thought that tamarind can be more than just a candy? Made from the first-ever sweet tamarind variety registered in the Philippines, the Aglibut Sweet, PSAU offers its signatured Tamarind Wine that serves as a cheaper but healthier alternative to those other

existing fruit wines available in the market. The Aglibut sweet tamarind wine comes in clear red orange appearance, retaining the vibrant color of the Aglibut sweet tamarind pulp, packaged in a 720 mL bottle to be enjoyed in about three servings.



10-year Profit Projection



Potential Annual Sales (unit)  
**12,383**

Potential Annual Sales (PHP)  
**2,476,694.57** ₱

Potential Gross Income  
**808,888.45** ₱

Potential Net Income  
**674,587.61** ₱

## Technology Corner

# IP-TBM IN 2023

Promoting Agri-Aqua Innovations: An Introduction to Technology Commercialization and The Art of Pitching Seminar

PSAU IP unit leads the Regional IPTBM in Central Luzon under the RAISE Program of the DOST-PCAARRD

IP Unit's Patent Mining project won Best Paper and Best Presenter during the 36th Agency In-House Review, and Best Poster award for the Development Category on the 34th Regional Symposium on Research and Development Highlights (RSRDH)



Good Manufacturing Practices (GMP) seminar

Intellectual Property Month Celebration in April

Patent Mining project led by the IP unit was qualified for poster presentation in the 72nd PhilAAST Annual Convention last September 2023



Food products sensory evaluation for TBI incubates



Sibul TBI provided technical assistance to its five Incubates



Sibul TBI represents PSAU and Region 3 in the 2023 SUC Fair - Innovation, Research, and Extension Services (FIRES) Technology and Innovation Pitching

Sibul TBI participated in the Regional Science, and Technology and Innovation Week (RSTW) in Central Luzon



BOR approval of the IP-TBM and Sibul TBI's inclusion under the Innovation Center, now part of the office of the VP for Research, Innovation, Extension, and Training (RIET)



CORs of 16 utility models with already registered status on the World Intellectual Property Organization (WIPO) Publish currently pending release



200 papers ran for plagiarism check and issued anti-plagiarism certificate



IP unit strengthened copyright and trademark applications with a total of 16 copyright and eight (8) trademark filings at IPOPHL



MSME talks: Seminar with Gov't agencies



More than 21 IEC and promotional materials for Sibul TBI developed and published

**17 CERTIFICATES OF REGISTRATION**  
3 Utility Models  
2 Trademark  
12 Copyright

17 certificates of registration (CORs) of the IPs applied in 2022 and early 2023



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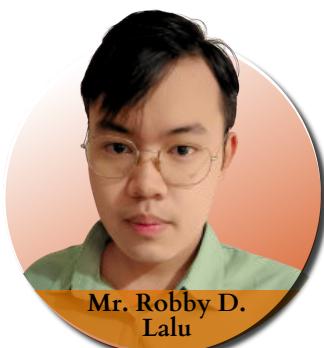


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