



VISAYAS
STATE UNIVERSITY

Visca, Baybay City, Leyte Philippines



OFFICE PERFORMANCE COMMITMENT & REVIEW FORM (OPCR)

I, **ROMEL B. ARMECIN**, Head of the **National Abaca Research Center** commits to deliver and agree to be rated on the attainment of the following accomplishment in accordance with the indicated measures for the period **January 2023 to June 2023**.

Approved:

ROMEL B. ARMECIN

Director, NARC

Date: **JUL 11 2023**

MARIA JULIET C. CENIZA

Vice-President for R, E & I

Date: **JUL 13 2023**

UMFO No.	MFO Description	Success Indicators	Target (1-year)	Actual Accomplishment	Unit/Persons Responsible	Rating				Remark
						Q ¹	E ²	T ³	A ⁴	
UMFO 1: Advanced Education Services										
MFO 1. Graduate Degree Program Management Services										
		PI 1: Number of graduate degree specialization								
		PI 2: Total FTE monitored	1	3.88	Core Staff	5	5	5	5	FMYDuatin (3.33), and Moreno (0.55) For Sem. 2022-2023
		PI 3: Percentage increase in number of graduates								



		PI 4: Percentage increase in number of students who graduated with prescribed period								
		<u>Additional Outputs</u>								
		PI 5:								
MFO 2. Graduate Student Management Service										
		PI 1: Number of graduate students awarded scholarship/assistantship								
		PI 2: Percentage of graduate students awarded with scholarship/ assistantship who graduated within prescribed period								
		PI 3: Number of graduate students awarded with honors/distinction								
		PI 4: Number of graduate students advised	4	14	Core Staff	5	5	5	5	14 (9 as advisers, 4 as GAC Chair and 1 as GAC Member – IFW, 2 nd Sem. 2022-2023)
		<u>Outcome Indicators</u>								
		PI 5: Percentage of graduate school faculty engaged in								



		research work applied in any of the following:								
		PI 5a: Pursuing advanced research degree programs (PhD)	1	1	FMYDuatin	5	5	4.5	4.83	Graduated last August 2022 but will receive her diploma by August 2023
		Output Indicators								
		PI 6: Percentage of graduate students enrolled in research degree programs								
		PI 7: Percentage of accredited graduate programs								
		Additional Outputs								
		PI 8:								
UFMO 2: Higher Education Services										
MFO 1. Curriculum Program Management System										
		PI 1: Total FTE monitored	20	54.00	Core Staff	5	5	5	5	Based from IFW (2nd Sem. 2022-2023)
		PI 2: Number of undergraduate curricular program compliant to CMO, approved and offered								
		PI 3: Average percentage passing in licensure exam in mandated programs								
		PI 4: Number of graduates in mandated programs graduated within prescribed period								



		PI 5: Percentage increase in the number of undergraduate students who graduated within prescribed period								
		PI 6: Percentage increase in number of undergraduate students enrolled								
		PI 7: Number of academe/industry linkage established								
		PI 8: Number of students advised								
		<i>On thesis/ field practice/special problem</i>	4	57	Core Staff	5	5	5	5	10 as Undergrad adviser, 4 as Undergrad GAC Chair, 2 as Undergrad GAC Member, 4 as SRC Chair, 7 SRC Member and 1 as Adviser from HS (grp of 4), 1 intern and 24 as academic advisers basing from IFW 2 nd Sem. 2022-2023
		<i>No. of approved manuscript submitted within prescribed period</i>	2	6	Core Staff	5	5	5	5	1 (developed), 4 (submitted) and 1 (approved)



VISAYAS

STATE UNIVERSITY

Visca, Baybay City, Leyte Philippines

		<i>On consultation (number of hours)</i>	75	400	Core Staff	5	5	5	5	Armecin (100hrs), Moreno (50 hrs), Salomon (60hrs), Duatin (110hrs) and Pleños (80hrs)
		PI 9: Number of student organizations advised/ assisted		1	Core Staff	5	5	5	5	1 – The Builders Organization (Pleños)
		PI 10: Number of instructional materials developed								
		<i>On-line ready courseware</i>	4	4	Core Staff	5	5	4.5	4.83	Pleños (1), Salomon (1) and Duatin (2)
		<i>Supplemental learning resources</i>	4	26	Core Staff	5	5	5	5	Pleños (10), Salomon (5) and Duatin (11)
		<i>Assessment tools</i>	10	43	Core Staff	5	5	5	5	Pleños (10), Salomon (5) and Duatin (28)
		Number of online courseware reviewed by TRP & edited by MMDC editor		1	Core Staff	5	5	5	5	Salomon (1)
		Number of virtual classrooms created and operational	6	23	Core Staff	5	5	5	5	Pleños (3), Salomon (1), Duatin (8) and Moreno (15- ISO related)
		Outcome Indicators								
		PI 11: Percentage of first-time licensure exam takers that pass								



		the licensure exams								
		PI 12: Percentage of graduates (2 years prior) that are employed								
		Output Indicators								
		PI 13: Percentage of undergraduate students enrolled in CHED-identified and RDC-identified priority programs								
		PI 14: Percentage of undergraduate programs with accreditation								
		Additional Outputs								
		PI 15:								
UFMO 3: Research Innovation Services										
		PI 1: Number of published papers in internationally indexed journals	1		Core Staff	4	4	4	4	
		<i>In refereed int'l journals</i>		1		5	5	5	5	Moreno (1) under review
		<i>In refereed nat'l journals</i>								
		<i>In institutional journals</i>								
		PI 2: Number of research outputs presented in regional/national/ int'l for a/conferences	2		Core Staff	4	4	4	4	
		<i>In int'l for a/conferences</i>								
		<i>In nat'l for a/conferences</i>								
		<i>In reg'l for a/conferences</i>								



VISAYAS

STATE UNIVERSITY

Visca, Baybay City, Leyte Philippines

		<i>In institutional for a/conferences</i>	5	11	Core Staff	5	5	5	5	VSU Funded studies presented during NARC In-House Review (May 10, 2023)
		PI 3: Number of research projects conducted and/or <i>completed on schedule</i>	2	11	Core Staff	5	5	5	5	10 (VSU Funded-Ongoing) and 1 extension project
		PI 4: Number of research proposals submitted/endorsed for external funding	4		Core Staff	5	5	4.5	4.82	
		<i>Proposals submitted for external funding</i>	2	3		5	5	5	5	3 submitted to DA-Biotech, DOST for funding
		<i>Proposals submitted for VSU funding</i>	2	3		5	5	5	5	VSU/PCIE/ERD
		PI 5: Percent of research proposals approved								
		<i>Proposals approved by external funding agency</i>								
		<i>Proposals approved by VSU for funding</i>								
		PI 6: Amount of research money generated from external funding (Thousand PHP)								
		PI 7: Amount of research money generated from institutional funding (Thousand PHP)	2M	4M		5	5	5	5	Budget from 10VSU funded projects



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STATE UNIVERSITY

Visca, Baybay City, Leyte Philippines

		PI 8: No. of research-related awards (research conducted by faculty or student w/ faculty)								
		Outcome Indicator								
		PI 9: Number of research outputs in the last three years utilized by the industry or other beneficiaries	2	4	Core Staff	5	5	5	5	Tissue Culture, Abaca Power Stripper, Plant Power Shredder and Handicrafts
		Output Indicators								
		PI 10: Number of research outputs completed within the year	1	11	Core Staff	5	5	5	5	11-VSU Funded projects
		PI 11: Percentage of research outputs published in internationally-refereed or CHED recognized journal within the year	1							
		Additional Outputs:								
		PI 12: Number of research collaboration/ partnership with LGUs	2	2	Core Staff	5	5	5	5	MOU with Ang Mananampalatayang Gumagawa Philippines, Inc. and maintained partnership with KFI
		PI 13: Number of work and financial plan (WFP) submitted and approved	1	1	NARC	5	5	5	5	Submitted to RDE/OVPREI for consolidation and budget appropriation



VISAYAS

STATE UNIVERSITY

Visca, Baybay City, Leyte Philippines

	PI 14: Number of research output publication produced/ related technical publication/ Manual produced and distributed	1		Core Staff	4	4	4	4.0	
	PI 15: Number of website updated and maintained	1	2	Core Staff	5	5	5	5	VSU and FB
	PI 16: Number of research proposals reviewed for internal funding	2	3	Core Staff	5	5	5	5	3 submitted (to be reviewed) – See attachment
	PI 17: Number of research proposals approved for internal funding								
	PI 18: Number of technologies patented								
	PI 19: Number of new adopters	1	1	Core Staff	5	5	4.5	4.83	PPS ordered LGU Baybay
	PI 20: Number of Technologies generated								
	PI 21: Number of VSU Technologies registered for IP Protection								
	PI 22: Number of VSU Technologies applied for IP Protection, monitored and facilitated								
	PI 23: Number of VSU Technologies and/or creative works filed for IP Protection (i.e.								



		patents, utility model, copyright, trademark)								
		PI 24: Number of VSU Technologies identified for Protection disclosed								
		PI 25: Number of patent search conducted								
		PI 26: Number of researchers assisted in drafting patent specs and claims								
		PI 27: Number of IP awareness trainings/seminars facilitated and conducted								
		PI 28: Number of VSU faculty/ researchers/ staff attended IP related trainings and seminars (national/ international trainings/ conference	1	1	Core Staff	5	5	9.5	4.83	Pleños, MCF attended the IP Valuation Training
		PI 29: Number of publications qualified for VSU publication incentive award								
UFMO 4: Extension Services										
		PI 1: Number of person-days trained weighted by length of training	75	483	Core staff	5	5	5	5	Armecin (15), Duatin (50) and Salomon (83) and from Abaca Nobasyon and VSU Anniversary



		PI 2: Number of trainings conducted	4	2	Core staff	5	5	4.5	4.83	1- Trainings in Baybay City and 1 in NARC
		PI 3: Number of IEC materials/technoguides developed/used	4	7		5	5	5	5	Abaca Technology, Ang Hustong Pang-abakahan, Abaca Varieties & Cultivars of Region 8, Major Pests of Abaca and their Management, National Abaca Summit 2015 Proceedings, RDE and Supilin/Sumpoon Natin ang Bunchy Top
		PI 4: Number of beneficiaries served								
		Groups	1	20		5	5	5	5	From 2 trainings being conducted and transient visitors being served
		Individuals	1000	353		4	4	4	4	Total individual being served from trainings conducted, transient visitors, student consultation, students doing their field visits, during the



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Visca, Baybay City, Leyte Philippines

										VSU Anniversary and Abaca Nobasyon
		PI 5: Number of technical/expert services								
		<i>Research Mentoring</i>	1	1		5	5	5	5	RBArmecin
		<i>Peer reviewers/Panelists</i>	1	1		5	5	5	5	RBArmecin
		<i>Resource Persons</i>	2	3		5	5	5	5	RBArmecin (1- Abaca Nobasyon), , Duatin (2- in 2 trainings)
		<i>Convenor/Organizer</i>	1	2		5	5	5	5	2 trainings
		<i>Consultancy/ Online Consultation</i>	25	400		5	5	5	5	Student consultation (in hours)
		<i>Evaluator</i>	2	1		4	4	4	4	Moreno (Philrootcrops In-House Review 2023)
		PI 6: Number of extension projects conducted and/or completed on schedule	4	4		5	5	4.5	4.83	1 Prog. w/ 4 Proj. Components
		PI 7: Number of extension proposals submitted	1							
		PI 8: Percent of extension proposals approved								
		PI 9: Amount of extension money generated from external funding (Thousand PHP)								
		PI 10: Amount of extension money generated from	300k	300,000.00		5	5	5	5	Abaca Integrated Program (Budget) w/



		institutional funding (Thousand PHP)								4 Projects
		PI 11: No. of extension-related awards (extrn. conducted by faculty or student & faculty)								
		Outcome Indicator								
		PI 12: Number of active partnerships with LGUs, industries, NGOs, NGAs, SMEs, and other stakeholders as a result of extension activities	2	29		✓	✓	✓	✓	Maintained Linkages between 6 LGUs, 4 local industries, 13 Regional Gov't Offices, 1 National Gov't Agency, 3 NGO's
		Output Indicators								
		PI 13: Number of trainees weighted by the length of training	75	483	Core staff	✓	✓	✓	✓	Armeclin (15), Duatin (50) and Salomon (83) and from Abaca Nobasyon and VSU Anniversary
		PI 14: Number of extension programs organized and supported consistent with the SUC's mandated and priority programs	2	4		✓	✓	✓	✓	1 Prog. w/ 4 Proj. Components
		PI 15: Percentage of beneficiaries who rate the training course/s as satisfactory or higher in terms of quality and relevance	75%	100%		✓	✓	✓	✓	From 5 months of recorded customer feedback



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STATE UNIVERSITY

Visca, Baybay City, Leyte Philippines

		Additional Outputs:							
		PI 17: Number of Lakbay aral/continuing education programs and tours facilitated							
		PI 18: Number of website updated and maintained	1	2		✓	✓	✓	✓
		PI 19: Number of extension delivery services conducted/ coordinated/ participated: field demo, agri fair, field days, agri-exhibit, Techno-forum, Techno-festival	1	4		✓	✓	✓	✓
		PI 21: Number of clients assisted in agri-fair, walk in clients, training requests, in-house reviews, trainings and related activities	75	353		✓	✓	✓	✓
		PI 23: Number of product/ technology demonstration conducted	1	4		✓	✓	✓	✓
		PI 24: Number of clientele served/ registered during Farmers' and Fisherfolks' Day		162		✓	✓	✓	✓
									V SU and FB
									Conducted trainings (2), participated field day (1-VSU Anni.) and attendance to agri fair (1-Abaca Nobasyon)
									Total individual being served from trainings conducted, transient visitors, student consultation, students doing their field visits, during the VSU Anniversary and Abaca Nobasyon
									APS, TC, PPS and handicrafts
									Visitors visited NARC Booth during the 99 th VSU Anniversary



		PI 25: Number of RDE news and feature articles published	4			4	4	4	4.0	
UFMO 5: Support to Operations(STO)										
MFO 1. Faculty Development Services										
		PI 1: Number of faculty pursuing advanced research degree programs (PhD) facilitated, monitored and assisted	1	1		5	5	45	4.83	FMYDutin – Graduated and will received her diploma by Aug. 2023
MFO 2. Faculty Recruitment/Hiring Services										
		PI 2: Number of faculty recruited/hired aligned with ISO standards								
MFO 3. Faculty Evaluation Services										
		PI 3: Number of seminars/trainings/ conventions/workshops coordinated for entire university								1 in Baybay City and 1 in NARC
		PI 4: Number of seminars/trainings/ conventions/workshops coordinated outside of the university	1	2		5	5	5	5	1 in Baybay City and 1 in NARC
		PI 5: Percentage of faculty rated by students with at least very satisfactory rating in 50% of the subjects evaluated	75%	100%		5	5	5	5	All Faculty were given very satisfactory and outstanding ratings
		PI 6: Number of in-house seminars/trainings/	10	31		5	5	5	5	Presented (11 local, and 1 national);



		workshops/reviews conducted/attended								Attended (11 local, 1 regional and 4 National); Conducted (2 trainings local) and as Evaluator (1 local)
		PI 7: Number of faculty/staff awards/honors received related to operations support		5		5	5	5	5	4 Core staff received Publication Incentive Awards (FGSinon, RBArmecin, PCFPleños and JMNSalomon) and 1 for Best Science Research Assistant Award of the Year (FLOcon)

MFO 4. Program and Institutional Accreditation Services

		PI 1: Number of degree programs which passed accreditation/evaluation at least Level 1								
		PI 2: QMS on faculty recruitment, development & performance evaluation aligned with ISO standards								
		PI 3: Degree program compliant with CHED								
		PI 4: Number of activities organized/attended/								



		assisted/participated/facilitated								
		Additional Outputs:								
		PI 5:								
UFMO 6: General Administration and Support Services										
		PI 1: Zero percent complaint from clients served								
		Additional Outputs								
		PI 2: Efficient & customer friendly frontline service								
		No. of clients served	75	353		5	5	5	5	Total individual being served from trainings conducted, transient visitors, student consultation, students doing their field visits, during the VSU Anniversary and Abaca Nobasyon
		No. of customer feedback received	1	5		5	5	5	5	Received an Adjectival Rating of 4.97 which is "Outstanding" from CFR with a comment of "The Office is performing well"



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		90% of documents prepared/processed/ released within the day approved by the director (error-free documents)	90%	100% (No error)		5	5	5	5	
		PI 3: Admin. & financial documents preparation/ facilitation								
		No. of prepared/ processed/approved documents	900	1000		5	5	5	5	
		No. of mtgs., planning-workshop conducted	6	5		5	5	5	5	NARC Monthly Meetings
		PI 4: Official meetings/ planning-workshop organized/ coordinated/ facilitated								
		100% of mtg./planning-workshops successfully undertaken	100%	100%		5	5	5	5	
		No. of reports prepared & submitted on-time (annual/quarterly/other documentation reports)	20	36		5	5	5	5	33 (1 st and 2 nd Qrtly Research and Semi-Annual Progress Reports); 1 RDE Semi-Annual Report (Center Report) 1 OPCR Accomplishment Report 2023 and 1 IPCR Accomplishment Report 2023 (Jan-June);




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STATE UNIVERSITY

Visca, Baybay City, Leyte Philippines

		PI 5: Number of CARs, NCs, and OFIs received		1 CAR and 6 OFIs		✓	✓	✓	✓	1 - CAR on late submission of OPCR (July to Dec 2022) 6- OFIs were issued last September 29, 2022 - Were acted immediately and closed out already
Total Over-all Rating									327.64	
Average Rating									4.89	
Adjectival Rating									OUTSTANDING	

Received by:


TONI MARC L. DARGANTES

Planning Office

Date: **JUL 14 2023**

Calibrated by:


DANIEL LESLIS S. TAN

Chairman, PMT

Date: **JUL 14 2023**

Approved by:


EDGARDO E. TULIN

President

Date: **JUL 19, 2023**

- 1 – Quality
- 2 – Efficiency
- 3 – Timeliness
- 4 – Average



NARC OPCR Attachment (January to June 2023)

Center/College/Department: **NATIONAL ABACA RESEARCH CENTER**

A. Research papers/posters disseminated/presented

TITLE OF PAPER/POSTER	DATE, VENUE	RESEARCHERS/PRESENTERS
a. Institutional		
Development of high-yielding abaca varieties resistant to bunchy-top disease	May 8, 2023/Annual In-House Review 2023/ Break Up Room 2, RDE Hall, VSU, Baybay City, Leyte	LOMoreno/MATCinco
Screening of abaca cultivars/lines and hybrids for resistance to bunchy top virus disease	-do-	LOMoreno/RTPiamonte
Field evaluation of abaca varieties and hybrids	-do-	LOMoreno
Improvement of abaca fiber extraction and processing Machines. Phase 2: Development of springless pressure mechanism for abaca power stripper (Phase II)	-do-	FGSinon/ABVillamor
Field evaluation of Bio-hardened abaca with plant growth promoting microorganisms (PGPM) as biofertilizers	-do-	RBArmecin/MJMDayondon
Biological Control of the Abaca Corm Weevil with Entomopathogenic Nematodes (EPN) – Phase 3	-do-	RTPiamonte/MAMerioles/RCayanong
Low-cost options for the mass propagation of disease-free abaca planting materials	-do-	FMYDuatin/JEOrias
Collection, Morphological Characterization and Maintenance of Abaca	May 10, 2023/Annual In-House Review 2023/ Break Up Room 1, RDE Hall, VSU, Baybay City, Leyte	LOMoreno/FLOcon
Characterization and Chemical Composition of Abaca Fibers in the Germplasm Collection	-do-	LOMoreno/JGJacobe
<i>In Vitro</i> Conservation and Maintenance of Abaca Germplasm	-do-	LOMoreno/RBDoron
Integrated Abaca Extension Program	May 11, 2023/Annual In-House Review 2023/ Break Up Room 2, RDE Hall, VSU, Baybay City, Leyte	JMNSalomon/JEnso

Rootcrop In-House Review 2023	May 9, 2023/Session B, Break Up Room 2/RDE Hall, VSU, Baybay City, Leyte	LOMoreno (Acts as evaluator)
Fruits, Vegetables, Herbs, and Spices In-house Review 2023	May 10, 2023/Annual In-House Review 2023/ Break Up Room 1, RDE Hall, VSU, Baybay City, Leyte	RBArmecin
b. Regional		
None		
c. National		
Abaca Plant Nutrition in Relation to Abaca Disease	March 27, 2023, ATI Training Hall C, Visayas State University, Baybay City, Leyte	RBArmecin
Abaca RDE Program of NARC	May 24-28, 2023/Virac People's Center, Virac, Catanduanes	RBArmecin
d. International		
None		

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

TITLE	DATE/VENUE	RESEARCHERS ATTENDED
a. Institutional		
Centennial Book Write Shop	March, 2, 2023/Inopacan, Leyte	JMNSalomon
One-day Seminar-Workshop on Development of University Policy on Landslide Risk Mitagation for Upper Dormitory Residents in Visayas State University	March 4, 2023/VSU DeCSo, Baybay City, Leyte	MATCinco
Training on Plant Tissue Culture Techniques, Laboratory Operation, Management and Shoot Tip Culture of Abaca and Selected Crops	March 20-23, 2023/NILB, VSU, Baybay City, Leyte	MATCinco
Annual In-house Review 2023	May 8-10, 2023/Annual In-House Review 2023/ RDE Hall, VSU, Baybay City, Leyte	RBArmecin LOMoreno FMYDuatin RTPiamonte MCFPleños JMNSalomon MAMeriales JGJacobe FLOcon MATCinco ABVillamor RBDoron JEOrias MJMDayondon RCayanong

Integrating Genomics and High-Throughput Phenotyping in Wheat Breeding at Intergrain	May 17, 2023/Association of Plant Breeding Majors/PhilRootcrops, VSU, Baybay City, Leyte	LOMoreno MATCinco
Challenges in Horticultural Foods Safety and Trade: From MRL's to Microbes to Mycotoxins	May 18, 2023/ACIAR GAP, VSU, Baybay City, Leyte	MATCinco
b. Regional		
Regional Crop Biotechnology Symposium	March 16, 2023/DA-Crop Biotechnology	MATCinco
c. National		
IP Valuation Training	March 1-3, 2023/Acacia Hotel, Alabang, Muntinlupa City, Manila	MCFPleños
Abaca Nobasyon	May 24-28, 2023/Virac People's Center, Virac, Catanduanes	RBArmecin MCFPleños FLOcon JGJacobe MATCinco ABVillamor
Alphafold and Clubroot from Prediction to Mechanism	May 31, 2023/Webinar (On Line)/De La Salle University	FMYDuatin
Seminar-Workshop on Philippine Procurement Systems and Updates	June 28-30, 2023/Mandaluyong, Metro Manila	RBArmecin RTPiamonte
d. International		
None		

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**)
 - Abaca Tissue Culture – hardened tissue culture seedlings for planting (Flora Mia Y. Duatin)
 - Plant Power Shredder – shredder for any plant parts as raw material for biofertilizer (Feliciano G. Sinon)
 - 3 units delivered from 5 units order of LGU Baybay.
 - Handicraft Products – weaved handicraft products from abaca “Umbac” (Bertulfo Gumba) and posted at NARC FB page for online selling and displayed in VSU Technomart and in the Center.

D. Research papers published

	TITLE	AUTHOR (S)	DATE/YEAR/PUBLICATION/ PUBLISHER	REMARKS
a. Refereed Journal				
Institutional				
	None			
National				
	None			
International				
	Virus Elimination and Plant	Marissa B. Barbosa and Luz O.	Plant Tissue Culture Elsevier	Accepted under review

	Regeneration of ABTV-Infected abaca (Musa textilis Nee) cv. Putian Using Meristem Tip Culture	Moreno		
b. Semi-popular publ'n (newsletter, etc.)				
c. Popularized pub'l'n (technoguides, etc.)				
d. Book Chapter/s				
e. Books				

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						
Publication and Intellectual Property Awards Night	2019 and 2021 Publication Incentive Award	Jedess Miladel N. Salomon	VSU, RDE Hall	April 26, 2023	Certificate and Cash (P7,000) each	VSU
	Publication Incentive Award	Romel B. Armecin	VSU, RDE Hall	April 26, 2023	Certificate and Cash (P)	VSU
	Publication Incentive Award	Mary Cris F. Pleños	VSU, RDE Hall	April 26, 2023	Certificate and Cash (P)	VSU
	Publication Incentive Award	Feliciano G. Sinon	VSU, RDE Hall	April 26, 2023	Certificate and Cash (P)	VSU
Best Science Research Assistant Award	Best Science Research Assistant of the Year Award	Felix L. Ocon	VSU Gym	April 27, 2023	Plaque	VSU
Booth Contest (Research Category Award)	Best Booth of the Year	NARC	VSU Gym	April 27, 2023	Cash (P5,000)	VSU
b. Regional						
None						
c. National						
None						
d. International						
None						

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)			
Specialty Pulp manufacturing, Inc. (SPMI)	Training	Requested training, partners in training, assist in the analysis of fiber samples, fiber production/marketing of abaca fiber	Maintained linkages
Chingbee & FTI	Training	Technical assistance on abaca production and trading	Maintained linkages
Government Agencies (DA, DA-Baybay, DA-BAR, PhilFIDA, DOST, PCAARRD)	Training, Community participation	Project implementation, Funding, source of R & D Network	Maintained linkages
LGUs (Baybay, Maasin, So. Leyte, Sogod, So. Leyte, Ormoc (CASO))	Training/Community participation/ Consultancy	Technical Assistance on establishment of a Tissue culture lab (Baybay)	Maintained linkages
b. Regional			
Abaca Coalition	With 14 agencies involved National and Regional level (Abaca Coalition)	Collaboration with 14 member agencies and organizations to develop an integrated action plan for advancing abaca in Region 8.; Training, consultancy and community participation	Maintained linkages
c. National			
d. International			
Kennermer Foods International Inc.	Technical Assistance and provide technology at cost	Technical assistance through trainings and consultations	Php. 80,000.00 (1 unit stripping machine sold)
Ang Mananampalatayang Gumagawa Philippines, Incorporated	Technical Assistance/consultancy	Technical assistance on abaca production and management, processing and marketing	Maintained linkages

G. List of Ongoing/ Completed R&D Projects

Program/Project/ Study Title	Proponent/s	Collaborator/ cooperator	Lead Agency	Collaborating Agency
I. ONGOING VSU-Funded Projects/Studies				
A. Core Program Proj. Title: National Abaca Germplasm Collection, Maintenance & Use (Phase IX)	LOMoreno		VSU	
Study 1: Collection, morphological characterization and maintenance of abaca germplasm (RSNA 87.018 S1)	LOMoreno/FL Ocon (SRA)		VSU	

Comp.2: Technical assistance on policies related to disease mgt. and eradication Proj.2: Capability enhancement on abaca technologies Comp. 1: Technical assistance in nursery and plantation establishment and eradication Proj.2: Capability enhancement on abaca technologies Comp. 1: Technical assistance in nursery and plantation establishment and mgt. Comp. 2: Technical assistance in processing and utilization Comp. 3: Pest Prevention Proj.3: Information, Education, Communication and Promotion Comp. 1: Communication support services Comp. 2: Promotion and marketing assistance of abaca technologies Proj.4: Propagation and distribution of planting materials Comp. 1: Seedpieces production and in-vitro propagation Comp. 2: Distribution of planting materials	FGSinon			
	FMYD			
IV. Income Generating Projects (IGPs)				
STF Abaca Power Stripper	FGSinon		VSU	
STF Abaca Rooted	FMYDuatin		VSU	

Title of Trainings/ Services Rendered	Type of Clientele or Participants	Date and Place of Training	Number of Participants	Number of Trainees weighted by length of training
Training on Plant Tissue Culture: Laboratory Establishment, Culture Techniques and Protocol for Selected Crops	CAO-Baybay, Housewife and NARC SRA's	March 13, 20-23, 2023/NARC	10	40hrs
Training on Abaca Integrated Pest and Management	Abaca farmers from Brgy. Kabunga-an, Baybay, Leyte	March 24, 2023/ Brgy. Kabunga-an, Baybay City, Leyte	33	8hrs

I. Proposals Developed

Table 1. List of Proposals developed, submitted for revision and for funding

Project/Study Title	Researchers	Proposed Budget	Funding Agency	Remarks
Project: Identification of differentially expressed genes related to bunchy top virus resistance in abaca (<i>Musa textilis</i> Nee) (RTPiamonte/MCNino) Two project components: PC1. Morphological validation of resistance to bunchy top virus in the abaca parental line accessions PC2. De novo transcriptome analysis and identification of differentially expressed genes associated with resistance to BTV in abaca	RTPiamonte/MCNino		DA-Biotech	On third revision
Project Title: Automated Plant Propagation System for the In vitro Mass Propagation of Abaca with 4 studies	FMYDuatin/RTPiamonte		VSU/PCIE ERD	
Project Title: Semi-Automated Plant Propagation Technology for the In vitro Mass Propagation and Hardening of Banana Planting Materials (with three studies):	FMYDuatin		VSU	
Others				
Project Title: Project 4: Optimization of Protocol for Micropropagation of Queen Pineapple thru Somatic Embryogenesis (LOMoreno/FMYDuatin/MBarbosa) Component 1: Efficient use of TIS (temporary immersion system) on the multiplication and rooting of somatic embryo-derived Queen pineapple plantlets (LOMoreno/FMYDuatin/MBarbosa)	LOMoreno/FMYDuatin		DOST-	
Project Title. Molecular characterization of pineapple mealybug vector populations and detection of pineapple of mealybug wilt virus in PPMB and QP populations in Leyte and Camarines and tissue culture-derived seedlings (MJCCeniza/Female/VSU) Component 2: Molecular characterization of major diseases in existing populations of QP and other pineapple varieties in Leyte and Camarines Norte (RTPiamonte/Female/VSU)				
Development of Hydraulic Pressure-Control System for APS.	FGSinon		VSU	

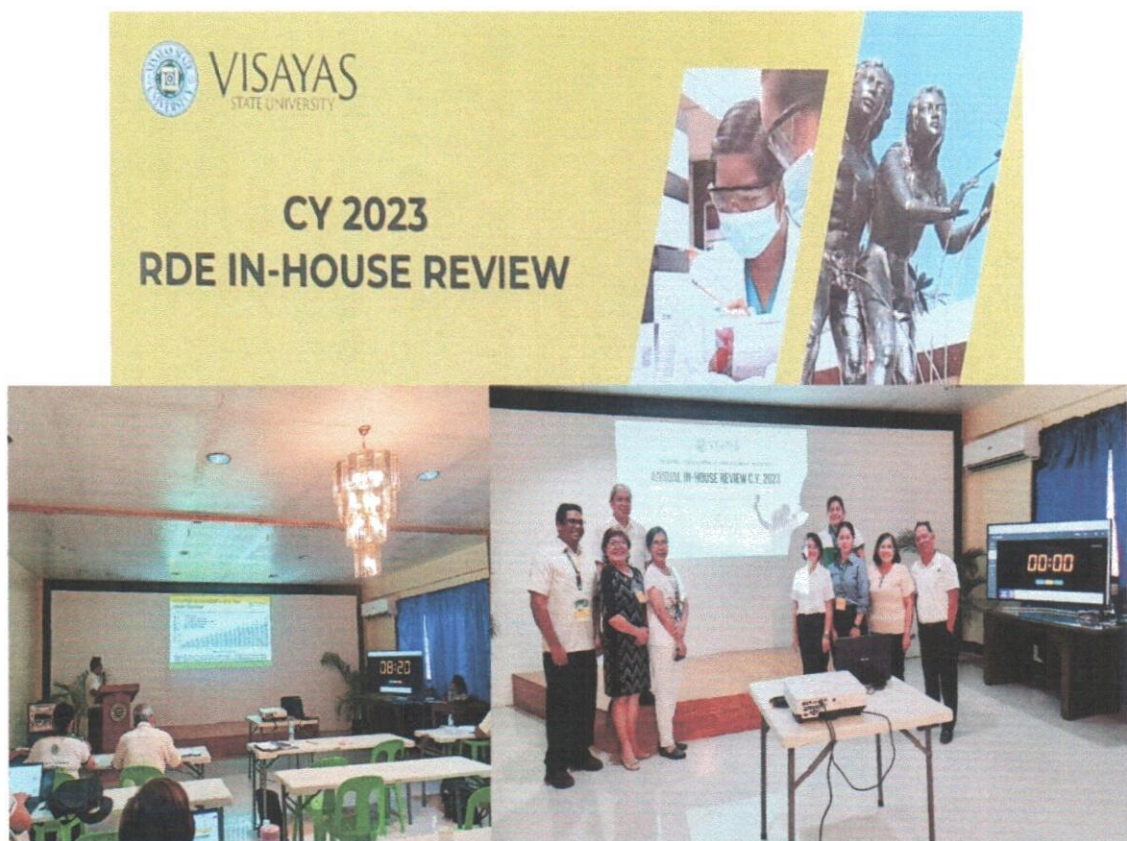
J. List of equipment/facilities purchased/enhanced

Equipment Purchased/ Upgraded/ Facilities Enhanced	Location/ Agency	Expenditure/ Cost (PhP)	Source of Funds
Tensile Strength Determination Meter	NARC	300T	VSU
Canal Repair	NARC	50T	VSU
Frontier Repair	NARC	20T	VSU
NARC Building repair and repainting (Ceiling, roof, tiles, stair and wall)	NARC	20T	VSU

APPENDICES

A. Paper Presented

1. Local



Eleven (11) On-Going VSU Funded Researches and Integrated Abaca Extension Program were presented during the CY 2023 In-House Review held at RDE Hall on May 8-10, 2023.

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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.



2. National



NARC RDE Program Presentation and attendance of Dr. Romel B. Armecin during the Abaca Nobasyon held last May 24-28, 2023 at Virac People's Center, Virac, Catanduanes.

B. Training Attended

Attendance to Trainings:

National:



Attendance of Mary Cris F. Pleños to IP Valuation Training on March 1-3, 2023 in Acasia Hotel, Alabang, Muntinlupa City, Manila.

National:

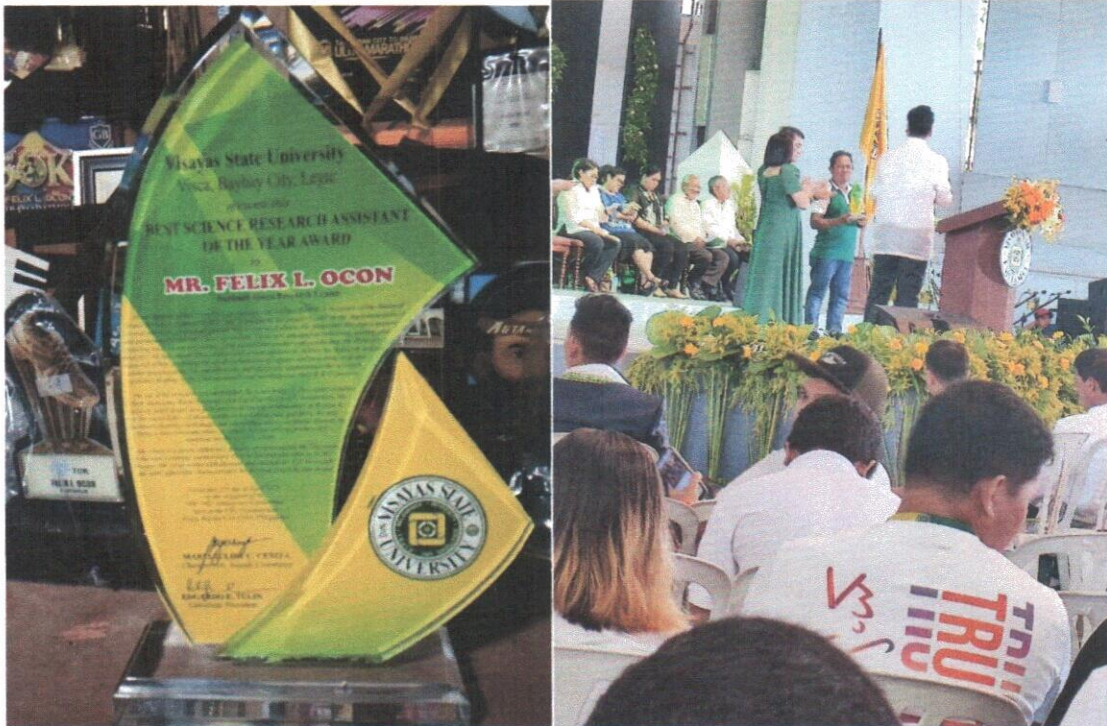


Attendance of some NARC Staff to Abaca Nobasyon on May 24-28, 2023 in Abaca Nobasyon, Virac People's Center, Virac, Catanduanes.

C. Awards



NARC Staff received Publication Incentive Awards during the Publication and Intellectual Property Awards Night on April 26, 2023 held at RDE Hall, VSU, Baybay City, Leyte.

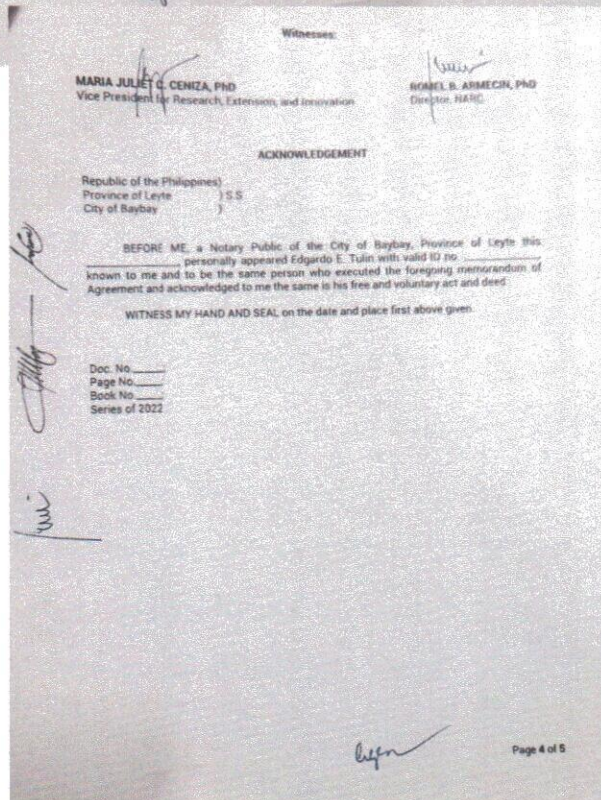
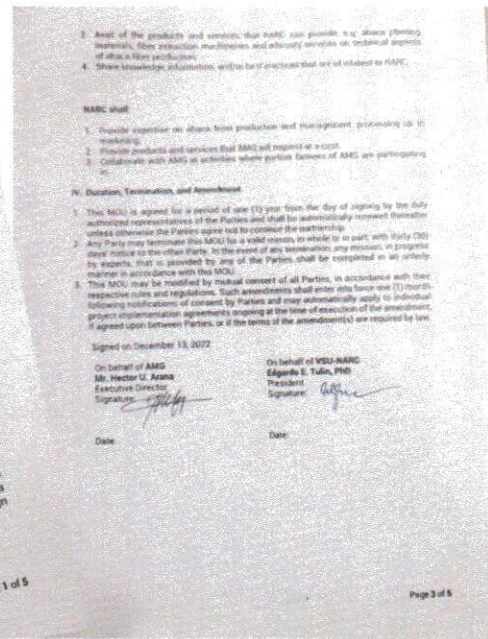
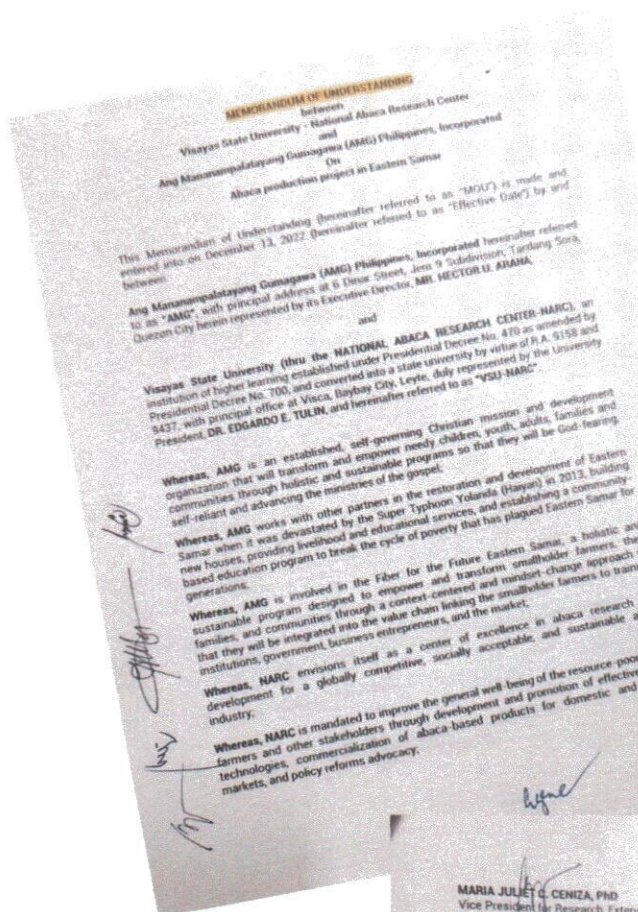


Felix L. Ocon nominated and won as the Best Science Research Assistant of the Year 2023. The plaque was received by the Center Director in his behalf during the 99th VSU Founding Anniversary convocation held at VSU Gym, VSU, Baybay City, Leyte on April 27, 2023.



NARC Booth won and declared as the Best Booth of the Year 2023 (Research Category) during the 99th VSU Founding Anniversary convocation held at VSU Gym, VSU, Baybay City, Leyte on April 27, 2023.

D. MOU with AMGP



E. NARC Technologies Commercialization



**A. Tissue Culture planting materials
(Abaca/Banana (var Lakatan) planting
@ Php 50.00/plant.**



**B. Plant Power Shredder delivered to LGU
Baybay (Only 3 delivered out 5 units order)**

F. Training Conducted

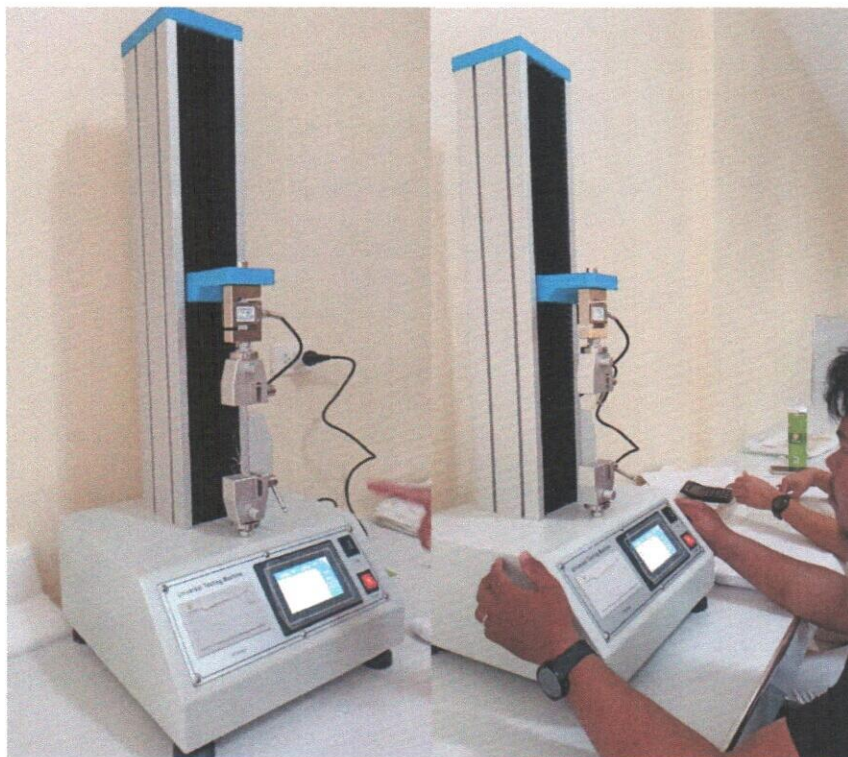
1. Training on Plant Tissue Culture: Laboratory Establishment, Culture Techniques and Protocol for Selected Crops



B. Training on Abaca GAP and IPM at Brgy. Kambungan, Baybay City, Leyte



G. List of equipment/facilities purchased/enhanced



Tensile Strength Meter



Waterwheel Canal Repair



Repair and repainting of NARC Ceiling, CR roof, Stair, 2nd floor lobby and replacement of popped up tiles

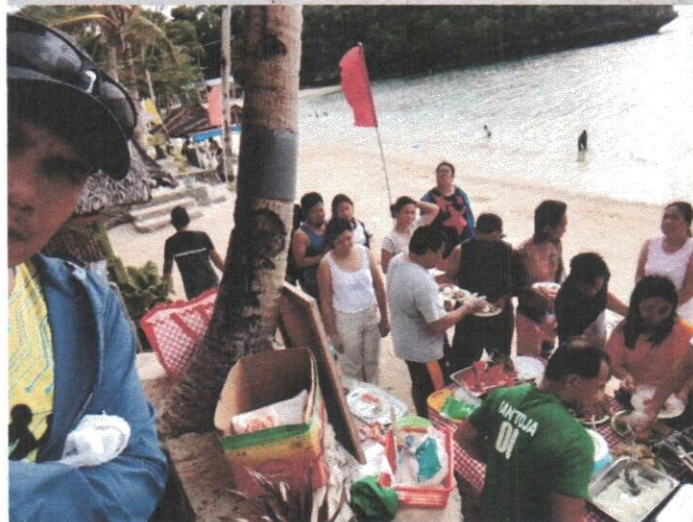
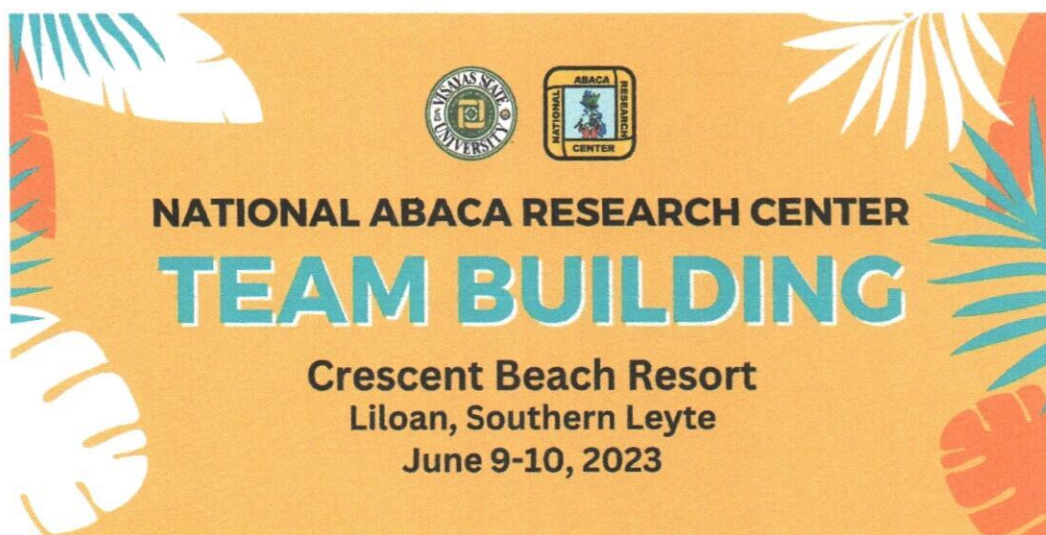


From DOST Caraga and REMCO, Siargao



From Bethel International School, Tacloban City

B.NARC Teambuilding



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Page 24 of 24

FM-REI-11
v0 11-29-2021

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