



# CPU Research NEWSLETTER

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## Java Presents in an International Research Forum



*Dr. Margen A. Java with the panel of judges and co-presenters*

Dr. Margen A. Java, Director of the Student Development and Programs presented her research study: “Entrance Scholars of Central Philippine University: Where and How are They Now?” under the institutional research and extension area during the 2017 International Higher Education Research Forum (IHERF 2017) with the theme: Creating New Pathways through Research for Higher Education Competitiveness” held at New World Manila Bay Hotel, Malate, Manila, Philippines from August 23 to 25, 2017.

The International Higher Education Research Forum 2017 (IHERF) is a three-day conference annually undertaken and organized by the Philippine high Education Research Consortium. The conference aimed to bring together faculty, researchers, and potential innovators across multidisciplinary interests to consolidate evidences, exchange information, and to disseminate the most rigorous and promising outputs within and outside their unique areas of competence. The eight research areas, namely: Basic and Teacher Education, Engineering and Technology, Science and Mathematics, Arts, Humanities and Philosophy, Governance and Policy Studies and Social Sciences, Business and Finance, Institutional Research and Extension and IT Computer and Computing highlighted the objectives of the conference.

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## Java... from page 1

It maybe recalled that Dr. Java also presented a research study entitled: “Impact Study of the Central Philippine University Integrated Outreach Activity for Ilongbukid, San Rafael, Iloilo” (which she conducted together with Dr. Aries Roda D. Romallosa and Prof. Hope G. Patricio) during the Asian Conference on Institutional and Action Research (ACIAR 2017) with the theme: “Research Solutions to School Problems” on May 25 – 27, 2017 at N-Hotel, Cagayan de Oro City, Philippines. She garnered the Best in Oral Presentation award during the said event. \*



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## CPU, BRIA conducts Planning Workshop on Market Linkages

With the theme “Improving Farmers’ Income through Better Market Linkage”, CPU in partnership with BRIA conducted a planning workshop at the Educational Media Center, Central Philippine University on September 7, 2017.

The seminar workshop is one of the activities of the new market linkage initiative supported by the GIZ under the Better Rice Initiative Asia- Fostering Agriculture by Improved Education and Rural Advisory Services (BRIA-FARMERS).

The seminar aimed at linking farmers to markets and establishing long-term agreements between traders/retailers with advised farmers. BRIA’s objective was also to provide the participants with market information particularly on the demand for rice of selected establishments in Iloilo and to validate the current production and processing capacities of rice farmer members and rice processors/ trader members, and to develop plan of actions to enable the members to serve the identified market demand.

It is hoped that through the seminar, 40 farmer participants will make knowledgeable choices in the pricing and distribution of their produce. Direct linkages with traders will also help them regulate production and preserve goods for delivery and sale.

The planning-workshop was supported by partners from government and private agencies such as Department of Agriculture, GIZ, ATI, Phil-Rice, IRRI, Bayer, and Yara Fertilizer. Dr. Mary O’ T. Penetrante, CPU Research Center Director, was the lead facilitator of the workshop.

BRIA aims that famers will increase their skills in the intervention areas of better rice production, better education and better market, policy dialogue and knowledge management.

Another workshop will be conducted on September 28, 2017 for Zarraga and Oton. \*

## URESCOM Agenda Formulation

With the aim of pursuing excellence in research, the University Research Center held a Research Agenda Formulation Meeting at the Franklin Conference Room on July 27, 2017.

The meeting was spearheaded by University Research Acting Director, Dr. Mary O' T. Penetrante. According to her, the goal of the meeting is to assess the current status of research work in the university and to increase faculty and staff participation. *"Our goal is to have 100% faculty participation in research. At the moment, we have 125 faculty and staff out of 360 that are engaged in research."*

Dr. Penetrante's report stated that from June 2016 to May 2017, the participation of 22 faculty and staff in research yielded to 9 completed researches, four of which are externally funded while five were funded by the university. On the other hand, the university currently has 30 ongoing researches involving 103 faculty members; 21 of which internally funded while nine are externally funded.

Present during the meeting were Prof. Ceasar Rico S. Acanto from the College of Engineering, Prof. Rea P. Balontong from the College of Commuter Studies, Dr. Ilda G. Borlongan from the College of Arts and Science Chemistry Department, Dr. Stella G. Fernandez from the College of Arts and Science Life Science Department, Dr. Merly L. Junsay from the College of Education, Prof. Marygold E. Jutare from the CPU Junior High School, Dr. Lenny Rose P. Mucho, Director of the Review Continuing Education and Consultancy Center, Dr. Ananias C. Sabijon Jr, Director for Curriculum Development and Prof.

Hope G. Patricio from the College of Agriculture and Environmental Sciences. All are part of the University Research Committee (URESCOM).

The URESCOM Committee discussed the implementation of the University Ethics Board which will take over the role of the Research Ethics Committee and the application and publication of research findings. *"For our dissemination and utilization, we still need to catch up with three years of publication of the Patubas. Our last newsletter issue was produced on July 2016 but our Salient Findings and R and D Week publications are on schedule."*

Dr. Sabijon emphasized the importance of cross discipline that will foster partnerships and expand research development. *"Cross discipline will help us learn what research practices work in different research classifications."* Dr. Penetrante added that the Research Center should look into the best practices of each college. *"We should delve into the best practices of each college so we can create a system of effective research process."*

The URESCOM Committee for Academic 2017-2018 includes: Dr. Ilda G. Borlongan for Evaluation, Dr. Ananias C. Sabijon Jr. for Training, Education and Symposium, Dr. Diadem Pearl S. Equiña for Research Ethics, Prof. Hope G. Patricio for Editing and Publication, Dr. Stella G. Fernandez for Monitoring, Dr. Lenny Rose P. Mucho and Prof. Jessica B. Canaman for Data Processing, Dr. Reynaldo N. Dusaran for External Linkages, Prof. Ceasar Rico S. Acanto for Research Website, Dr. Jaime C. Cabarles and Dr. Merle L. Junsay for the Editorial Board, Prof. Marigorld E. Jutare for the CPU Junior High School and Prof. Rea P. Balontong for the College of Computer Studies. \*

## Feasibility of Biomass Briquette Production from Municipal Waste Streams by Integrating the Informal Sector in the Philippines

*Dr. Aries Roda D. Romallosa*

### ABSTRACT

A technical and socio-economic feasibility study of biomass briquette production was performed in Iloilo City, Philippines, by integrating a registered group of the informal sector. The study has shown that the simulated production of biomass briquettes obtained from the municipal waste stream could lead to a feasible on-site fuel production line after determining its usability, quality and applicability to the would-be users. The technology utilized for briquetting is not complicated when operated due to its simple, yet sturdy design with suggestive results in terms of production rate, bulk density and heating value of the briquettes produced. Quality briquettes were created from mixtures of waste paper, sawdust and carbonized rice husk, making these material flows a renewa-

ble source of cost-effective fuels. An informal sector that would venture into briquette production can be considered profitable for small business enterprising, as demonstrated in the study. The informal sector from other parts of the world, having similar conditionality with that of the Uswag Calajunan Livelihood Association, Inc. (UCLA), could play a significant role in the recovery of these reusable waste materials from the waste stream and can add value to them as alternative fuels and raw materials (AFR) for household energy supply using appropriate technologies.

**Keywords:** *feasibility; cost recovery; biomass; AFR; briquette production; briquettes; informal sector; municipal wastes*

## Perceived Stress and Coping Behaviors in Clinical Practice of Nursing Students at Central Philippine University

*Prof. Carolyn L. Yoro, Prof. Susan A. Sumande, Prof. Janette Yap, and Prof. Rosita Saldajeno*

### ABSTRACT

College students reported to have experienced high level of stress during their academic year. Studies within and outside the country have examined stress among students but there is no study locally addressing nursing students stress in the clinical area. Therefore, this study was conducted to assess the stress level and sources of stress among nursing students in clinical practice as well as identifying the coping behavior utilized by students. The study involved 153 nursing students. Data were analyzed with the use of descriptive and inferential statistics. Findings revealed that most of the students in this study were 19 years or younger, female and second year college. Most of them had moderate level of stress. The most com-

mon stress factor are stress from assignment and workload and stress from taking care of patients. Most students used problem solving as their coping strategy. Furthermore, the study found no significant relationship between level of stress and coping behavior. It was concluded that majority of the nursing students suffered from stress, therefore, there is a need for stakeholders to design programs that will reduce stress, health educate and encourage the students to utilize other healthy coping strategies to enhance health promotion.

**Keywords:** *Stress, Coping strategies, Clinical practice, Nursing students*

## Reflective Learning and Prospective Teachers' Conceptual Understanding, Critical Thinking, Problem Solving, and Mathematical Communication Skills

Dr. Merle L. Junsay

### ABSTRACT

This is a quasi-experimental study that explored the effects of reflective learning on prospective teachers' conceptual understanding, critical thinking, problem solving, and mathematical communication skills and the relationship of these variables. It involved 60 prospective teachers from two basic mathematics classes of an institution of higher learning. There were two treatments used in the study: the lecture-discussion approach and reflective learning approach of teaching. The lecture-discussion involved five phases: introduction, presentation, comprehension, monitoring, integration, and review and closure. The reflective learning approach involved initializing, exploring, and connecting processes. Validated and reliability-tested researcher-made tests on conceptual understanding, critical thinking, problem solving, and mathematical communication skills served as the instruments. The study reveals that the scores of prospective teachers exposed to the reflective learning and the lecture-discussion approach were below 50% of

the perfect score before and even after intervention. It further shows that the prospective teachers' conceptual understanding, critical thinking, problem solving and mathematical communication skills significantly improved in the reflective learning group, and in the lecture-discussion group. However, the mean gains of both groups are significantly different in favour of the reflective learning group in all the aforementioned skills except in critical thinking. Furthermore, the prospective teachers' conceptual understanding, critical thinking, problem solving, and mathematical communication skills were all found to be significantly related in the reflective learning group. However, in the lecture-discussion group, only the following pairs were significantly related: conceptual understanding and mathematical communication skills; conceptual understanding and problem solving skills; and problem solving and mathematical communication skills.

**Keywords:** *reflective learning, mathematical skills.*

### “ Ecclesiastes 4:9 “

" Two are better than one; because they have a good reward  
for their labor. "

When individuals work together, they can double their strength and get much more done as a team. They also reap the value of having worked in unison, thus creating harmony instead of disorder. Working as one people begins with the efforts of each person, as they work with another person.

## Indigenous Rice Wine Making in Central Panay, Philippine

*Prof. Emma T. Gico and Prof. Evelyn R. Ybarzabal*

### ABSTRACT

This study was conducted to document the process of making rice wine called '*pangasi*' by the Panay Bukidnon indigenous people (IP) in Tapaz, Capiz. Specifically, it aimed to describe the ingredients and procedure used and to compare them with other rice wines made in the Philippines. Likewise, it also aimed to describe and to discuss the emerging themes deduced from documenting the making of '*pangasi*' rice wine by the Panay Bukidnon IP. Information was collected through direct observation and semi-structured interview gathered from key cultural informants who were also the participants in the focus group discussion. They are members of the Council of Elders of the Tapaz Indigenous People's Organization (TIPO). The information gathered was cross-checked with existing literature of documented traditional wine making from different areas in the Philippines. The indigenous rice wine, '*pangasi*' used by the Central Panay Bukidnon Indigenous People in Tapaz, Capiz is different from the '*pangasi*' made by the Subanons in Zamboanga del Norte. The main ingredient used in making '*pangasi*' of the Central Panay Bukidnon (IP) is ordinary, non-waxy, upland rice while the '*pangasi*' of the Subanen indigenous people of Zamboanga del Norte, makes use of cassava tubers as the main ingredient and a starter consisting of a concoction from 24 to 60 species of plant herbs, as reported by Nabua (2013). However, it is similar to '*pangasi*' or '*gasi*' which is a traditional drink among the Subanuns of Mindanao, made also from rice with added crushed ginger root and red hot pepper, but water is added to it. It is almost the same as '*pangasi*' made from rice in North

Western Mindanao, specifically in Bukidnon, in a study cited by Sanchez (2008) from Sakai and Caldo (1985b). However, they reportedly used sugar solution which is added for the second stage of fermentation instead of sugar cane juice, which is used by the Central Panay Bukidnon IP in Tapaz, Capiz. The use of leaves in the processing of '*pangasi*' which included, '*adgaw*', '*talus*', and young coconut leaves have not been mentioned in earlier related studies. However, regarding their local knowledge on cleanliness and sanitation, it is believed that these leaves are naturally clean, especially if they are '*ugbus*' or young, and have not been too exposed yet in the environment. Indigenous women have an important role to play in using and preserving this valuable local knowledge. They just have to be better recognized and supported by the community. The value of '*pangasi*' is much more than just a traditional drink one can hold in his hand, rather it is one that holds the indigenous community altogether. Aptly described by Fox (1984) as having this social and ritual value, the use of rice wine may be seen as a powerful integrating force which links and binds the individual to the group (Fox, 1984). The local knowledge of the Panay Bukidnon (IP) in making '*pangasi*' is comparable to the other local knowledge of other indigenous cultures in the Philippines. They just need to have it standardized so that their practice will no longer be always as per '*estimate*' basis but would be quantifiable or in terms of measured quantities so as to yield a consistent, quality product.

## A STRENGTHENING URBAN RESILIENCE FOR GROWTH WITH EQUITY (SURGE) PROJECT

*Dr. Mary O' T. Penetrante, Dr. Lenny Rose P. Mucho and  
Engr. Dimpna C. Castigador*

The streamlining of business permit and licensing system (BPLS) is one of the strategies adopted by the government to bring down the cost of doing business in the country. The government recognizes that the growth potential of the country could be realized by improving its global competitiveness particularly in terms of cost of doing business and policy implementation in the country.

To provide the guidelines for streamlining the business permits and licensing systems (BPLS) in cities and municipalities in the country, the government issued a Joint Memorandum Circular (JMC) No. 1 of 2010 that sets forth the standards for a streamlined BPLS, specifically in terms of the number of days, signatories, steps, forms and documentary requirements. This guideline is in accordance with the Anti-Red Tape Act (ARTA) No. 9485 mandating all government instrumentalities and the local government units to provide efficient delivery of services to the public by reducing bureaucratic red tape, preventing graft and corruption, and providing penalties thereof.

In response, the local government units have strived to improve their business permit and licensing system by conforming to the JMC standards and by adhering to ARTA. But for most business owners, business registration in the country is still long and cumbersome.

To help improve the economic and social development at the national and regional level, the Philippine government in partnership with the United States Agency for International Development (USAID) through its implementing agency, the International City/County Management Association (ICMA) has implemented a project on Strengthening Urban Resilience for Growth with Equity (SURGE) in the Philippines (ICMA, 2015).

The SURGE project has partnered with the Iloilo City government to assist in the streamlining of business registration and licensing procedures in the city. The project aims to enable the city to exceed the national BPLS standards and be able to match the best practices in the South Asian region. ICMA contracted Central Philippine University in Iloilo City to conduct a study that would describe and assess the current processes of business registration and inspection in Iloilo City and to recommend specific improvements for consideration of the city government.

The study aimed to describe and assess the current processes of business registration processes in Iloilo City during the business permit renewal period in January 2016 and during the period for new application for business permit in February 2016 from the point of view of the applicants. Interpretive approach was used with a combination of various

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methods such as time and motion study, process observation, exit interviews, key informant interviews, and document review.

Findings show that the *end-to-end* renewal and new business permitting processes in Iloilo City in January to February 2016 as perceived and experienced by the surveyed applicants have complied with and even exceeded all the national standards for BPLS indicators as per JMC No. 1 series of 2010.

The Business One-Stop-Shop (BOSS) of Iloilo City reflects the JMC 2010 prescription of the BOSS. A Joint Inspection Team (JIT), composed of employee representatives from BPLO (JIT leader), CTO, CPDO-Zoning, CHO, and BFP, inspect the business establishments who applied for new business permit for compliance to government safety standards and regulations.

The tasks of getting the FSIC, checking and verifying the required documents, claiming the TOP, and payment of taxes and fees which contributes about 86 percent to the total processing time should be further studied as to how these steps can be integrated to minimize customer interaction during on-site renewal process.

To shorten the waiting time for the approval of on-line application and waiting time in the BOSS payment area which contributed about 84 percent of the total processing time for on-line renewal application, the on-line system should have automatic status response to the client and can accept on-line payment. Integrating the on-line and on-site systems of the city would enable faster data processing of applications within the concerned offices. This will address the problem on slow processing, overcrowded BOSS area, long queues and dissatisfied customers. \*

**“For I know the plans I have for you,” declares the LORD,  
“plans to prosper you and not  
to harm you, plans to give you hope  
and a future.”**

*Jeremiah 29:11*

## COMPLETED INSTITUTIONALLY FUNDED RESEARCHES

1. **A Tracer Study for Graduates of Thai Nguyen University of Economics and Business Administration (Tueba) and Central Philippine University (CPU) Joint Degree Programs at Thai Nguyen City, Vietnam**  
- By Lucio T. Encio, Nelia G. Bonete, Rowena M. Libo-on, Nonito S. Baldeviso and Teresita E. Crucero (completed July 2017)
2. **Student's Satisfaction and Perceived Importance of Institutional Services of CPU for SY 2014-2015**  
- By Gift D. Tragico and Florabel S. Suarez (completed July 2017)
3. **Heavy Metals in Sea Salt, Seawater Source and Iodized Salt Locally Found in Iloilo, Philippines**  
- By Jun Ozbert M. Haguisan, Ann Marie P. Alguidano and Isah Lou G. Nocal (completed August 2017)
4. **Student Leaders' Perception of the Influence of CPU Leadership Training Seminar on Their Lives**  
- By Margen A. Java, Alfred C. Morales and Albert Jan Matthew A. Java (draft report)
5. **Indigenous Rice Wine in Central Panay, Philippines**  
- By Emma T. Gico and Evelyn R. Ybarzabal (draft report)
6. **Production Capacity and Commercialization of Lemongrass (*Cymbopogon citratus* Stapf.) Ready-to-Drink Beverage Product (Kalamansi-Ginger Flavor) Geared Towards Commercialization of the Lemongrass Ready-To-Drink (RTD Products)**  
- By Evelyn R. Ybarzabal, Emma T. Gico, Jet R. Nillos, Bernie C. Cangrejo and Mizpah C. Villalobos (draft report)
7. **Indigenous Cooking Methods in Central Panay**  
- By Armando M. Hisuan, Jr., Myrna T. Luceño and Mary Ann C. Garrido (draft report)
8. **Change in the Quality of Life among the Beneficiaries of the Micro-Hydro Project of CPU College of Engineering and Department of Energy in Barangay Agbobolo, Ajuy, Iloilo: A Social Impact Assessment**  
- By Darril F. Pamocol, Bernadine T. Baliguat and Frank G. Robite (draft report)
9. **Socio-economic and Technical Evaluation and Change in the Quality of Life among the Beneficiaries of Three Micro-Hydro Projects of CPU in San Remegio, Antique**  
- By Darril F. Pamocol, Rodell C. Palomar, Caesar Rico S. Acanto and Frank G. Robite (draft report)



## COMPLETED EXTERNALLY FUNDED RESEARCHES

1. **Development of Training Manual for the Training of Value Chain Development Facilitators on the Green and Gender Responsive Value Chain Approach (GGRVCA)**
  - Funded by Great Women Projects of Philippine Commission on Women (PCW) and Global Affairs Canada (GAC)
  - By Mary "O T. Penetrante (completed June 2017)
2. **Pilot Testing the Green and Gender Responsive Value Chain Approach (GGVCA) Training Manual NATCCO Planning Workshop**
  - Funded by Philippine Commission on Women and NATCCO
  - By Mary "O T. Penetrante (completed August 2017)

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## ONGOING INSTITUTIONALLY FUNDED RESEARCHES

1. **Title:** Socio-Cultural, Economic, Community Involvement and Priority Needs of Communities in the Barangays of Badiangan, Iloilo: Basis for Enhancing the University Integrated Outreach Programs  
**Researchers:** Aries Roda D. Romallosa, Margen A. Java and Karen Jay D. Lozada
2. **Title:** Live Experience of Clan War Survivors of Barangay Busog, Valderama, Antique: A Phenomenological Research  
**Researchers:** Irving Domingo L. Rio, Kareen Jay D. Lozada, Carol Kay C. Blando, Leofel J. Diamante, Renia F. De La Peña and Corazon G. Nievaes
3. **Title:** Survey of Terrestrial Macrophytes in Camp Higher Ground, Barotac Viejo, Iloilo, Philippines  
**Researchers:** Ernesto S. Elefan and Stella G. Fenandez
4. **Title:** Zumba Workout Program for Central Philippine University Employees and Students  
**Researcher:** Necil C. Magno
5. **Title:** The Effects of Montessori Teaching Materials to Pupils Attention and Hyperactivity-Impulsivity  
**Researchers:** Merle L. Junsay, Joan Iven J. Abello, Praise E. Glory, Eden P. Gomez, Hannah S. Siosan and Melly Beth L. Tayo
6. **Title:** Effects of Lantana Camara (Baho baho plant) Against Stored Grain Pest *Rhyzopertha Dominica*  
**Researchers:** Dahlia H. Pescos, Bernie C. Cangrejo and Sharon Rose G. Dumam-ag
7. **Title:** Production of Eco-Enzyme Cleaning Agent from Calamansi (*Fortunella japonica*) Fruit Skins by Fermentation as a Household Cleaning Detergent Substitute  
**Researchers:** Rowena P. Calasara, Felix A. Ojario and Zenaida H. Prado
8. **Title:** In-Vivo Anti-Inflammatory Activity of Chitosan-Emulsion Based Spray on Native Chicken  
**Researchers:** Mylyn G. Poral, Darlene Joy J. Marañon and Jaime C. Cabarles, Jr. (**evaluated**)



## COMPLETED EXTERNALLY FUNDED RESEARCHES

3. **A Study on the Nutritional Quality of *Moringa Oleifera* and *Moringa Peregrina***
  - Funded by the University of Florida North Florida Research and Education Center Quincy, Florida
  - By Hope G. Patricio, Manuel C. Palada, Homer Deloso and Diaden E. Garcia (completed September 2017)
4. **Identification, Collection, Propagation, and Processing of Herbal Plants for Organic Native Chicken Flock Health Management**
  - Funded by Department of Agriculture (DA) Regional Office 6
  - By Jaime C. Cabarles, Jr. (completed December 2017)
5. **2017 Field Monitoring and Evaluation Project of the Business Permits and Licensing System (BPLS)**
  - Funded by Department of Trade and Industry (RO6)
  - By Reynaldo N. Dusanran, Ma. Alina Pescadera and Carmen Rose P. Genoveza (completed December 2017)

## ONGOING EXTERNALLY FUNDED RESEARCHES

### 1. Development of Natural Source as Alternative to Synthetic Methionine for Native Chicken Organic Supplemental Feed Production

- Funded by Department of Agriculture's Bureau of Agricultural Research (DA-BAR) RO6

- By Jaime C. Cabarles, Jr.

### 2. Status of Maternal and Child Health (MCH) in Western Visayas

- Funded by Department of Health, RO VI

- By Irving Domingo L. Rio, Salex E. Alibogha, Melba C. Sale, Ma. Lourdes N. Sampiano, Joelah V. Rio, Rita E. Penaso, Julieta H. Boteros, Novie Joy C. Soladad and Charlie D. Baldon

### 3. Assessment of the Consultant Hiring Strategy of the DOH Region VI to Deliver Family Planning Services in Western Visayas

- Funded by Department of Health, RO VI

- By Mary 'O T. Penetrante, Dimpna C. Castigador, Patrocinio G. Pudadera, Joel H. Somosierra, Ma. Lourdes N. Sampiano, Ma. Lourdes Nilda P. Andrino, Levi O. De Los Santos, Jr., Lofel J. Diamante and Mariana T. Erdao

### 4. Assessment of the Implementation of Community Health Team (CHT) Mobilization in Region VI

- Funded by Department of Health, RO VI

- By Carolyn L. Yoro, Susan A. Sumande, Nelida L. Lamasan and Norma Suerte

### 5. Assessment of the AH Connect Strategy under the Alternative Health Service Points for Adolescent Health and Development Program of the DOH -RO VI

- Funded by Department of Health, RO VI

- By Raquel L. Polec-eo, Gift D. Tragico, Florabel D. Suarez, Rea P. Balontong, Lennon D. Pajar, Merle L. Junsay and Eddannee S. Debuque

### 6. Report on the Conduct of Streamlining Workshops in Business Permits and Licensing System of the Cities of General Santos and Legaspi

- Funded by USAID Surge Project

- By Mary 'O T. Penetrante and Dimpna C. Castigador

### 7. Improving Small Farmer's Income Through Better Market Linkages

- Funded by GIZ Better Rice Initiative Asia

- By Mary O' T. Penetrante, Dimpna C. Castigador, Gilda G. Monsole, Teresita E. Crucero, Ma. Dona Luz C. Colorge, Romarie Jhoanna C. Eder

# Director's Desk



By Dr. Mary O' T. Penetrante

## #RESEARCHISLIFE

At Central, Research is Life

As the university arm for research and development, the University Research Center (URC) is keeping itself abreast of the current issues, practices and trends in local and global communities. Our goal is to be one of the leading research universities in the country that is responsive to the needs of the community. We commit to develop an outstanding culture of research that is grounded on Christian faith and values and the desire for scientific knowledge.

For the past years our research activities are cautiously linked to our study programs and have maximized the utilization of our academic excellence. Progress have been made in delivering excellent (EXCEL) education to our students. We have established strong partnerships with various agencies and organizations, both local and international, discovered vast amount of knowledge and technologies, and established a library with the vast collection of knowledge in the region.

But our efforts should not stop in accumulating knowledge, developing technologies, and sharing it within our own kind.

Local and global issues call for stronger collaboration from various sectors and disciplines and for more integrated efforts in order to respond effectively and efficiently.

The URC has recognized this need and embarked on research agenda that directly contributes to attaining the university's goal as well as the Philippine Development Goals (PDG) for 2017-2020

and the Global Goals for 2030 for Sustainable Development. It has designed its research activities that nurtures the culture of research as a way of life. It supports creative and innovative research projects, from conceptualization to commercialization that benefits the various sectors especially the marginalized.

To reinforce its impact to local and global communities, it has to provide institutional facilities and equipment for scientific discovery, creativity, innovation, and entrepreneurship by integrating the efforts and resources of its various colleges and departments and strengthening scientific evidence for translational application.

### Sub-Committee on Research Editing and Publication

#### Chairperson

Prof. Hope G. Patricio

#### Co-Chairperson

Prof. Rea Angelica F. Villeza

#### Members:

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Dr. Jaime C. Cabarles, Jr.  
Dr. Anita U. Illenberger  
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Prof. Baby Lou G. Nava  
Dr. Aries Roda D. Romallosa  
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