



CPU Research NEWSLETTER

Official Publication of the University Research Center
Central Philippine University, Jaro, Iloilo City

Volume 13 No.2 March 2017

Dr. Stella G. Fernandez presents paper in Malaysia

Dr. Stella G. Fernandez, chairman of the Life Science Department, presented her paper during the 4th International Conference on Education for Sustainable Development (4th ICESDev) with the theme Collaboration and Linkages: Keys for Global Educational Integration on October 25-27, 2016. The Conference was held at Southeast Asian Ministers of Education Organization, Regional Center for Education in Science and Mathematics (SEAMO RECSAM), Penang, Malaysia.

The objectives of the conference were: a) to provide platform for participants to present findings of their research, exchange best practices and share worthwhile experiences,

 [To page 3](#)



Dr. Stella G. Fernandez, second from left during the 4th ICESDev at Penang, Malaysia

Bajar Invited to Present his Undergraduate Thesis in Bangkok, Thailand



Jayson Troy Bajar, a graduate of Bachelor of Arts in Political Science, presented his undergraduate thesis

during the International Research Conference for Business, Economics and Social Science 2016 held on December 21-22, 2016 at Bangkok, Thailand. Bajar graduated *Magna Cum Laude* last November 2016, finishing his degree in only three and a half years.

The study of Bajar is entitled "Online Democracy: A Content Analysis of the Facebook Pages of 2016 Presidential Candidates." A qualitative research, the study examined the Facebook posts of the five Philippine Presidential

 [To page 2](#)

In this issue ...



PopCom Region 6

Page 2



Biology Teachers

Page 3



Page 4

Bajar... from page 1

candidates in the May 2016 elections. The primary objective of his study as to determine how politicians make use of social media to advance their political agenda. Core to his assumptions was the substantial significance of social media in the present politico-social context of the country.

The conference was attended by various researchers from different countries. Included in the privileges of the conference were: the research abstracts of their papers were published in the conference proceedings which will

be posted in the website of the conference available one month after the date of the conference. The conference also provided a publication opportunity to some selected papers in one of the associated journals of the organization.

Although Bajar was not able to win specially cited awards, he hoped that nonetheless, such accomplishment will eventually inspire and encourage other students to pursue excellence in research that will help to strengthen the research area of the university. *

CPU Presents Research Output during the PopCom-Region VI 1st RPMC 2017



“The Teen Centers of the Province of Capiz: An Evaluation” a study conducted by Dr. Reynaldo N. Dusaran, Dr. Margen A. Java, Dr. Raquel L. Polec-eo and Prof. Gift D. Tragico commissioned by the Capiz Provincial Population Office was presented during the first Regional Population Management Conference (RPMC) 2017 of the Commission on Population-Region VI on February 1, 2017. The results of the study will serve as a basis and guide to all other provinces in the establishment and running of teen centers in their own locality. This is so because the establishment of teen centers is considered to be the best practice in AHYDP implementation which gave the Capiz Provincial Population Office a national award in 2012 and commendation from the region and the Province of Capiz.

The main objective of this evaluation was to determine to what extent has the project goals/objectives

been achieved or accomplished, and to identify the factors that facilitated or hindered the attainment of the objectives. Specifically, the study aimed to: 1) determine whether or not the project goals/objectives were achieved and the extent of how these goals/objectives were achieved; 2) determine the factors which facilitated or hindered the attainment of the project goals/objectives; 3) determine if the intended inputs, such as the budget has been adequately provided, and the human resources expected to be involved in the project activities have been identified and capacitated; 4) determine if the processes/activities have been undertaken as planned, and the intended participants and beneficiaries have been actively engaged in the activities and other undertakings; 5) determine if the desired outputs of the activities have been realized;



(from left) Dr. Yolanda Francisco (Capiz Provincial Population Officer) Dr. Margen A. Java, Prof. Gift D. Tragico, Dr. Reynaldo N. Dusaran and Dr. Harold Alfred P. Marshall (PopCom Regional Director)

PopCom ... from page 2

6) determine if the desired or expected outcome of the project have been achieved, 7) determine the awareness, availment, satisfaction and importance of the teen centers and its services; 8) determine the problems and difficulties experienced by the project stakeholders and the strategies they used to address/solve the problems; 9) determine the best practices used to facilitate program implementation; 10) determine the perceptions of the stakeholders regarding the benefits derived from the project; and the project potentials; and 11) generate recommendations for

the improvement or modification of design or strategies in the implementation of the project.

A combination of qualitative and quantitative approaches were used in this evaluation study. Quantitative data were generated from project documents and files, service statistics from the Teen Centers, Provincial Population Office and interviews while qualitative information were collected through key informant interviews, focus group discussions, and ocular inspections. Ten (10) centers randomly selected and proportionately distributed according to their respective batches were taken as sample teen centers.

Biology Teachers Attended the 17th Annual Regional BIOTA Convention

The Biology Teachers Association of the Philippines Incorporated Western Visayas recently hold the 17th Annual Regional BIOTA Convention and Scientific Sessions last February 16-17, 2017 with the theme: "Keeping Abreast with K-12" at Sarabia Manor Hotel and Convention Center.

Dr. Stella G. Fernandez, chair of the Life Sciences Department was one of the research presenters. She presented her research paper on Laboratory Technology and Student's Achievement in Zoology. The convention was participated by different secondary and tertiary science (Biology) teachers from various private and public academic institutions in Western Visayas.

The BIOTA also facilitated the Regional Quiz Bowl, and Research Paper Competition for both secondary and tertiary levels on February 17-18, respectively. The CPU BS Biology students participated in the 13th Regional Research Competition on February 18, 2017 at Iloilo Doctors College. Ms. Genebel Mae Gersabalino, a fourth year BS Biology student won 3rd place in oral research competition (Individual Category). She presented her

research paper on "Echinoderms Diversity of Sinapsapan, Jordan, Guimaras. Ms. Ma. Christine Gambito also a fourth year BS Biology student won 1st place in the Poster Exhibit Competition. Her research poster was on "Glucosamine Content of Fresh and Cooked Exoskeletons of Flower Crab (*Fortunus pelagicus* Linn.) and White Shrimp (*Penaeus indicus* Linn.). Other BS Biology students who participated in the three day activities were: Everly Kay Contador, Mary Felijane Jacobe, and Joshua Amable. Joriz Lanz Cometa and Jessa Padasas (BS Bio students) and Ian Clark Tamonan and Maevir Gemanga (BSEd-Sci students) joined the 12th Regional Biology Quiz Bowl. They ranked 6th and 7th places respectively, out of 15 competing teams.

Dr. Nicolas G. Guanzon, Jr., was one of the judges for the poster category in both tertiary and secondary levels. Prof. Ernesto S. Elefan, Dr. Stella G. Fernandez and Dr. Nicolas G. Guanzon, Jr. were the advisers of the student researchers. *

Fernandez.... from page 1

b) to create an opportunity for linkages and collaborations between Education Ministries, colleges, universities and other institutions around the world, c) to broaden professional acquaintances and networking among participants and experts, and d) to provide a venue for students to inter-

act with educators, experts and present findings of their studies. The 3-day conference also calls for new approaches to learning and lead the organizers to integrate education for sustainable development into education plans and curricula.

SERP-P holds 4th Network Biennial Meeting



The Socioeconomic Research Portal for the Philippines Project (SERP-P) held its 4th Network Biennial Meeting last December 6, 2016 at PIDS office in Quezon City. The meeting aimed to strengthen the partnership between and among the SERP-P member institutions; discuss the issues, challenges and opportunities relevant in implementing the project; and identify strategies and develop future pathways for SERP-P.

Philippine Institute for Development Studies (PIDS) president Gilberto Llanto in his opening remarks stressed the significant role of SERP-P as the first electronic repository of policy research that capitalizes on knowledge networking in the country. Since its launch in 2002, SERP-P has strived to share and integrate the research work of different institutions, particularly universities, to reach a wider audience and to penetrate different stakeholders' agenda.

Mark Vincent Aranas, SERP-P coordinator, shared with the participants the greater challenge that the organization faces in the future, "...the challenge to SERP-P is how to stay relevant amid increasing competition and how to harness the advancements in technology to better improve our services." SERP-P

Project Manager Dr. Sheila Siar presented the accomplishments of the organization and challenged the participants from the member institutions to pledge their commitment because it "is necessary... something that we should continuously build and demonstrate." She added that each member institution has a duty to the research community, to policy makers, and to the public to serve as champions of knowledge exchange and help ensure that policies are backed up by evidence-based research.

The meeting culminated with the giving of certificate of recognition to seven member-institutions that are most active in terms of contributing materials to the SERP-P database from 2014 to 2016 and Central Philippine University was one of those recognized. Other institutions are MinDA, Bangko Sentral ng Pilipinas, University of the Philippines Los Banos -Center for Strategic Planning and Policy Studies, Silliman University, Congressional Planning and Budget Research Department of the House of Representatives, and National Economic and Development Authority-Caraga.

More than 50 participants representing 29 member-institutions from Luzon, Visayas and Mindanao attended the biennial meeting. Ms. Ligaya Villarias-Caniel, secretary of the University Research Center represented CPU in the said activity.

SERP-P is composed of 53 member-institutions with diverse research expertise and resources. *

Fernandez....

Dr. Stella G. Fernandez, the chairperson of the Life Sciences Department presented her paper on "Science Competencies, twenty-first Century Skills, and Science Locus Control: Bases for the Development of Technology-enhanced Grade 7 Science Curriculum Materials". Her paper was aligned with the conference strand on Society: Teaching, Assessing and Promoting 21st Century Competencies. She also became one of the chairpersons and vice chairpersons in a series of parallel sessions conducted during the conference.

The conference was attended and participated by universities in research and development from the Philippines, Malaysia, Japan, Hongkong and India. The conference was organized by the Association of Science and Mathematics Coaches of the Philippines (ASMAC Philippines) and Southeast Asian Ministers of Education Organization, Regional Center for Education in Science and Mathematics (SEAMO RECSAM). *

AWARENESS ON THE IMPLEMENTATION OF NUTRITIOUS FOOD POLICY AND KNOWLEDGE ON FOOD AND NUTRITION OF CANTEEN COMMITTEE MEMBERS AMONG PUBLIC ELEMENTARY SCHOOLS IN ILOILO

Angel D. Emboltura, Regemma S. Montecastro, Regel Mia B. Gabayeron, Shiela Mae C. Bondac, Christine T. Belga and Madonna May Benid

ABSTRACT

This study correlated the personal factors and the level of awareness on the implementation of nutritious food policy and knowledge on food and nutrition of canteen committee members among public elementary schools in Iloilo City. Mean, Chi-square, and Gamma analyses were used to analyze data collected. A one-shot survey was conducted on 157 respondents from the five schools adopted by the UFI who were subjected. The findings showed that the respondents' level of awareness on the

implementation of Nutritious Food Policy and level of knowledge on food and nutrition is moderate. The findings also revealed that none of the personal factors such as sex, age, educational attainment, civil status are significantly related to the level of awareness on the implementation of nutritious food policy and level of knowledge on food and nutrition. Level of awareness on the implementation of Nutritious Food Policy is also not related to level of knowledge on Food and Nutrition. *

ANTIOXIDANT PROPERTY OF THREE INDIGENOUS FRUITS

Aila Rose F. Asuelo, Ruth Jireh Mae G. Bolivar, Katrina B. Manua, Yessamyr Johann N. Maquiling and Alexander Keith S. Tayco

ABSTRACT

Antioxidants are found to get rid of free radicals which are said to be one of the causes of cancer. This study aimed to compare the antioxidant property of Chico (*Manilkara zapota*), Rambutan (*Nephelium lappaceum*) and Latundan banana (*Musa sapientum*). The fruit samples were bought from a market in Iloilo City. The edible portions of the fruit samples were cut into small pieces and weighed to 25 g. Three replicates per sample were prepared, treated with sufficient methanol, homogenized and stored for 24 hours. Then the samples were filtered and subjected to assay procedure. Antioxidant activity test procedure was done using UV-Vis Spectrophotometer. The data obtained were subjected to one-way analysis of variance (ANOVA) at the

0.05 level of significance. It was then subjected to DMRT to determine significant difference between or among means. The edible portions of the three fruit samples showed high antioxidant property. The rambutan has the highest percent inhibition (92.78 % + 0.004), followed by chico (88.84 % + 0.005), and lastly by the latundan (87.05 % + 0.034). The peelings and seeds of rambutan, dried leaves of chico and peel extracts of banana have also been proven to have antioxidant properties. Thus, it has been proven that the edible and non-edible part of rambutan, chico, and latundan banana have a significant antioxidant activity. *

Antioxidant Activity and Bioactive Compounds in the Leaves, Stems and Seeds of Cobra Vine (*Ipomoea nil*)

(By Mary Iris P. Nobleza)

ABSTRACT

Cobra vine (*Ipomoea nil*) plays a vital part in conventional herbal remedies in treating different ailments. However, the bioactive compound and antioxidant activity that confer these biological effects are often not ascertained and thus, this study was conducted. The present study aimed to determine the phytochemicals and antioxidant activity of leaves, stems and seeds of Cobra vine. Qualitative assay of the plant showed the presence of saponins, flavonoids, alkaloids, cardiac glycosides, and terpenoids. Quantitative analysis of saponin showed that the seeds had the highest percentage (11.30%) compared to the leaves (8.96%) and stems (5.857%). Flavonoid content was found higher in leaves (1.84%) than seeds (1.55%) and stems (0.53%). The alkaloid content was found mostly in the seeds (4.59%) than leaves (1.50%) and stems

(0.73%). The leaves (17.12%) had higher terpenoid concentration than seeds (6.25%) and stems (3.02%). Cardiac glycoside content were found higher in leaves (0.77 μ M) and stems (0.74 μ M) than seeds (0.16 μ M). The leaves (76.28%) and seeds (74.12%) had higher antioxidant activity than stems (66.92%). Overall results indicated that the studied plant has a potential in medications and hence, its phytochemicals and antioxidants can be a good source of bioactive compounds which may be used in lieu of synthetic drugs that often comes with various side effects when administered. Moreover, further studies are needed to explain the structures of the bioactive compounds responsible for their medicinal effects and also to evaluate the cytotoxicological activities in order to establish its biosafety for human use. *

Efficacy of the Different Parts (Fruit, Leaf, and Stem) of Yellow Oleander (*Thevetia peruviana*) Against Wrigglers

(By Gabrielle Fran C. Domingo, Micaela Jouraine S. Araneta, Raine Julianne B. Alocada, Ruezalin Anne C. Padernal, Roland Sangrador P. Catedral and Jethro Mark G. Jerez)

ABSTRACT

This study tested the efficacy of the different parts (fruit, leaf, and stem) of Yellow oleander (*Thevetia peruviana*) against wrigglers. Due to the high case of dengue in the Philippines, the researchers used the different parts of yellow oleander, such as fruit, leaf and stem, to kill mosquito larvae. Yellow Oleander contains high level of poisoning called cardiac glycosides. This experimental research used a completely randomized design method with four concentrations (100, 75, 50, and 25 %) from each part of the plant. With three replicates of each treatment, a total of 42 treatments were prepared. Each treatment had 12 wrigglers per container, totaling 504 wrigglers in all. Mortar-and-pestle and cheesecloth extraction was used in preparing the treatments. The extracts of fruit, leaf and stem were randomly poured into

the containers. Comparing the different concentrations of the different parts (fruit, stem and leaf) of Yellow Oleander, the pure extract was the most effective (94, 64 & 86 % mortality, respectively) among the four concentrations. Whereas, among the different parts of the plant, the fruit extract resulted in the highest mortality of 94 %. The Analysis of Variance was used to test the level of significance of the fruit, leaf, and stem. Hence, the three parts were all statistically significant and effective to the wrigglers, and the fruit resulted to be the most effective among them all. Compared in the study, 'Pharmacological Importance of *Thevetia peruviana*' (cited by Rajbhar & Kumar, 2014), all parts of yellow oleander is poisonous. It is even more toxic and effective when used with biochemicals. *

Political Participation of College of Arts and Sciences Students in Central Philippine University

(By Fel David G. Janolino, Allen Ken J. Gimeno, Isaiah G. Santilliana, Richie Rex S. Gimotea, Joshua Philippe B. Gumban and Mark T. Sulatra)

ABSTRACT

The youth comprises a large portion of the world's and the country's population. Political Participation amongst the youth is important for they are the reservoir of the next generations' leaders. This is a descriptive study that determined the political participation of College of Arts and Sciences students in Central Philippine University using a one-shot survey method. A sample of 274 students from the population of 865 College of Arts and Sciences students were taken.

Descriptive statistics such as frequency distribution, percentage, mean and T-test were used to present the data. Based on the results it was found out that more than half of the students has minimal political participation, more than one fourth has low political participation, less than one fourth of the students has high political participation and less than one fiftieth of the students has no political participation at all. *

Mass Communication: Its Scope and Practitioner's Future as Perceived by Selected Private and Public High School Students

(By Rianne M. Palaguayan)

ABSTRACT

This is an exploratory research study designed to compare the perception of selected private and public high school students on Mass Communication: its scope and practitioner's future. Specifically, the study answered the following objectives (1) determine the profile of the respondents in terms of age, gender, and type of high school, (2) know whether or not there are similarities on perceptions between grade 10 private and public high school students on Mass Communication concepts in terms of course's scope and practitioner's future, and (3) identify whether or not there are differences on perceptions between grade 10 private and public high school students on Mass Communication concepts in terms of the course's scope and the practitioner's future. The study used survey and Focus Group Discussion as its method and a validated research questionnaire as its instrument. For respondents, demographics, perception on Mass Communication scope and practitioner's future job, it was concluded that (1) majority of the respondent from Central Philippine University High School and Dueñas General Comprehensive High School were aged 16, (2) majority of the respondents were female, (3) majority of the respondents from Central Philippine University High School and Dueñas General Comprehensive High School perceived the following as part of Mass Communication's scope" broadcasting, literature review, public relations, journalism, development communication, advertising, human resource and digital media while majority of Dueñas General Comprehensive High School respondents included foreign service as part of the course's scope, (4) majority of the respondents from Central Philippine University High School and Dueñas General Comprehensive High School perceived the following as not part of the Mass Communication's scope: accounting, engineering, hotel and restaurant management, and political science; while majority of Dueñas General

Comprehensive High School respondents also included foreign service as not part of the course's scope, (5) majority of the respondents from Central Philippine University High School and Dueñas General Comprehensive High School perceived the following as part of the Mass Communication practitioner's future job: broadcaster, digital media artist, call center agent, journalist, public relations consultant, film maker, advertising consultant and real estate broker while respondents from Central Philippine University High School included political analyst and call center agent as part of the course's future jobs, and (6) majority of the respondents from Central Philippine University High School and Dueñas General Comprehensive High School perceived accountant as not part of Mass Communication's future jobs while majority of Dueñas General Comprehensive High School respondents included call center agent and political analyst as not part of the course's future jobs. Based on the Focused Group Discussion answers given by the respondents, it was concluded that (1) majority of the respondents from both schools responded positively on Mass Communication's scope and profession that are familiar to them; (2) majority of the respondents from Central Philippine University High School have the notion that when a profession requires public speaking then, it can be a scope of Mass Communication; (3) majority of the respondents from Central Philippine University High School respondents answered that Mass Communication has a wider scope while majority of the respondents from Dueñas Comprehensive High School conceived Mass Communication having a scope limited only to journalism and broadcasting; (4) both Central Philippine University High School and Dueñas General Comprehensive High School respondents incurred misconceptions on Mass Communication's scope and practitioner's future job. *

Factors Associated with Organizational Commitment Among the Staff Members of Central Philippine University

(By Hannah Claire C. Bayaras, Joralyn H. Baludio, Jan Marie D. Dello, Kate R. Ocampo, Prienzvy P. Rallos, Kristine Joy P. Suyo and Grace Ann A. Tibes)

ABSTRACT

This study was conducted to find out the factors associated with level of organizational commitment among the staff members of Central Philippine University. The sample consisted of 148 staff members of Central Philippine University Academic Year 2016-2017. The instrument used was adapted from Allen and Meyer level of commitment questionnaire. The data were analyzed using the Statistical Package for the Social Sciences (SPSS) software. The researchers used frequency, T-test and ANNOVA, set at 5% level of significance. Findings revealed that the level of organizational commitment among the staff members were committed in terms of normative commit-

ment and continuance commitment while the respondents were highly committed in terms of affective commitment. Therefore it can be concluded that the staff members of Central Philippine University were highly committed in terms of affective commitment because they are happy to spend their career in the university. In terms of normative, the staff members were committed because they were taught to believe in the value of remaining loyal to one organization. In terms of continuance, staff members were committed because the things that they do in their job today will benefit their standing in this university in the long run. *

Integrated Fall Detector Device and System (iFall)

(By Chris John G. Geloryao, Billy John J. Dimajiva, Kate D. De Asis, Kay Mark L. Lamasan and Emeroe Ven Basyl M. Neñeria)

ABSTRACT

The Integrated Fall Detector Device and System (iFall) was developed for the elderly ages 65 years old and above. The device continuously monitors a subject's movement, detect and predict the occurrence of a fall. iFall is comprised of two key parts; the main device which includes a 1 shield board interfaced with Arduino Microcontroller and a Bluetooth module; and the monitoring system which includes a local host computer, two cameras and the cloud. The Smartphone will be worn by

the elderly on his/her waist. Once a fall is detected by the smartphone's accelerometer, the local host computer will automatically record the data and upload them to the internet. Overall, the Integrated Fall Detector Device and System (iFall) is a reliable fall detector device and system which can aid in watching over elderly especially in the absence of a guardian. It is accurate and is easy to use and access especially because it makes use of technology nowadays, the smartphone and the internet. *

In Vitro Thrombolytic Activity of Ethanolic Extract of Kalabasa (*Cucurbita maxima*) Seeds

(By Jaira Faith Sodusta, Dennise Legarde, Christine joy Edemburgo, Melissa Lois Buenafe, Laurice Joy Afrononzo, Jazmine Claire Teofilo and Hennah Aspera)

ABSTRACT

Abnormal clot that forms in a vein may restrict the flow of blood back to the heart and can result in pain and swelling. Kalabasa is a plant abundant in the country, with seeds rich in protein and minerals. The purpose of this study is to determine the in-vitro thrombolytic activity of Kalabasa (*Cucurbita maxima*) seeds among all blood types in terms of percentage clot lysis. Factorial experimental design and purposive sampling were employed. There were six trials for each of the blood types "A", "B", "O", and "AB". Results showed that there are significant differences on % clot lysis of blood treated with Kalabasa

seeds extract when compared to positive and negative control, respectively $F(2.23) = 92.12, p=0.000$. Based on multiple comparison using Least Significant difference the % clot lysis between Kalabasa and streptokinase were not significantly different at 5% level of probability, Therefore, the null hypothesis is not rejected; there is no significant difference between the thrombolytic activity of Kalabasa seed extract and streptokinase among blood types "A", "B", "O" and "AB". The researchers conclude that Kalabasa seed is effective in lysing the clot amongst blood types "A", "B", "O" and "AB". *

Design and Evaluation of Interchangeable Water Wheel Pump

(By Rhea Jean Apiang)

ABSTRACT

The study was conducted to design and evaluate the performance of the water wheel pump that can be interchanged with an 8-paddle wheel. The water wheel consists of a paddle, rim, spoke, axle, bearing and shaft, ballast and support and pipe accessories. The interchangeable water wheel pump is an undershoot wheel striking paddle at the bottom of the wheel. Rotation of the water wheel starts when the stream water hits the paddle. The catchment pipe, which is attached adjacent to

the paddle, scoops the water passing through the series of pipe and brought this to the area to be irrigated. Results revealed that the volume of flow rate, pumping efficiency and operating capacity for the 8-paddle and 16-paddle wheel are 0.0832 lps and 0.1905 lps, 65.24% and 70.98%, 2,135.01 li/day and 5,487.55 li/day, respectively. Further computation showed a Php0.10/li and Php0.04/li operating cost for the 8-paddle and 16-paddle wheels, respectively. *

Completed Institutional Researches

1. **The Effect of Reflective Journal Writing to Students' Critical Thinking and Mathematical Communication Skills**
- By Merle L. Junsay and Edgardo P. Gerada (completed January 2016)
2. **Impact Survey on the CPU Integrated Outreach Activity for Barangay Ilongbukid, San Rafael, Iloilo**
- By Aries Roda D. Romallosa, Hope G. Patricio and Margen A. Java (completed June 2016)
3. **Design, Construction, and Testing of Microprocessors-Based Electronic Load Controller for Micro-Hydro System**
- By Caesar Rico S. Acanto and Ramon A. Alguidano, Jr. (completed September 2016)
4. **Tracer Study for the CPU College of Nursing Graduates from 2005-2010**
- By Carolyn L. Yoro (completed October 2016)
5. **Tracer Study of the Graduates of the College of Engineering in CPU for the Academic Year 2000 to 2001 and 2003 to 2004**
- By Rowena P. Calasara and Mary Earl Daryl A. Grio (draft report)
6. **Perceived Stress and Coping Behaviors in Clinical Practice of Nursing Students in Central Philippine University**
- By Carolyn L. Yoro, Analiza Balgos, Cynthia Mendoza, Rosita Saldajeno, Susan Sumande and Janet Yap (draft report)
7. **Documenting Indigenous Food Preservation in Central Panay**
- By Emma T. Gico and Evelyn R. Ybarzabal (draft report)
8. **Documenting Indigenous Cooking Methods in Central Panay**
- By Armando M. Hisuan, Jr., Mary Ann Garrido and Myrna Luceño (draft report)

Ongoing Institutional Researches

1. **Title:** Heavy Metals in Sea Salt, Seawater Source and Iodized Salt Locally Found in Iloilo, Philippines
Researchers: Jun Ozbert M. Haguisan and Ann Marie P. Alguidano
2. **Title:** 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
Researchers: Darril F. Pamocol, Bernadine T. Baligat and Frank G. Robite
3. **Title:** 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
Researchers: Darril F. Pamocol, Rodel C. Palomar, Caesar Rico S. Acanto and Frank G. Robite
4. **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
5. **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
6. **Title:** Factors Influencing the Preference of Clients of Kabalaka Reproductive Health Center as Family Planning Service Provider: Application of Q-Methodology
Researchers: Joelah V. Rio, Melba S. Sale and Lian D. Celo
7. **Title:** A Phenomenological Study on Infant Care among Teenage Mothers
Researchers: Julieta H. Boteros and Novie Joy C. Soledad
8. **Title:** Lived Clinical Experiences of Nursing Students Assigned in Intensive Care Unit
Researchers: Adelfa D. Dusaran, Joy B. Lacson and Lizel D. Zata
9. **Title:** A Stranger Within Me: A Lived Experience of Women on Menopause
Researchers: Norma Suerte, Annalie Gilongos, Lena Giron and Ma. Lourdes Sampiano
10. **Title:** Phenomenological Study of "Caregiving" to Cancer Patients
Researchers: Liezl V. Bretaña, Nancy Grace Del Soccoro, Robeanna Diesto and Marites Robleza
11. **Title:** Postpartum Depression as Experienced by Adolescent Mothers
Researchers: Gina Bautista, Nelida Lamasan and Rita Penaso
12. **Title:** Student's Satisfaction and Perceived Importance of Institutional Services of CPU for SY 2014-2015
Researchers: Gift D. Tragico and Florabel S. Suarez
13. **Title:** Documentation and improvement of Enrollment Process of Central Philippine University
Researchers: Mary 'O T. Penetrante, Dimpna C. Castigador and Leofel Diamante
14. **Title:** Student Leaders' Perception of the Influence of CPU Leadership Training Seminar on Their Lives
Researchers: Margen A. Java, Alfred C. Morales and Albert Jan Matthew A. Java
15. **Title:** Expected Perceived and Actual Competencies of Graduates from Central Philippine University (CPU) Joint Programs with Thai Nguyen University of Economics and Business Administration (Tueba-Vietnam) as Perceived by Their Employers
Researchers: Roldan P. Pescos, Teresita E. Crucero, Rowena M. Libo-on, Althea U. Denueno, Christine B. Golilao, Lorna T. Grande, Gilda C. Monsole and Patrocino G. Pudadera
16. **Title:** Students' Satisfaction of the Joint Degree Programs Offered by Central Philippine University (CPU) and Thai Nguyen University of Economics and Business Administration (Tueba-Vietnam)
Researchers: April Ann P. Bañas, Teresita E. Crucero, Rowena M. Libo-on, Diosdado Galanto, Agripino Gallos, Jr., and Orlie Gallos
17. **Title:** A Tracer Study of Employability of Graduates of Thai Nguyen University of Economics and Business Administration (Tueba) and Central Philippine University (CPU) Joint Degree Programs at Thai Nguyen City, Vietnam
Researchers: Lucio T. Encio, Nelia G. Bonete, Rowena M. Libo-on, Nonito S. Baldeviso and Teresita E. Crucero

Ongoing Externally Funded Researches

- 1. Identification, Collection, Propagation, and Processing of Herbal Plants for Organic Native Chicken Flock Health Management**
 - By Jaime C. Cabarles, Jr.
 - Funded by Department of Agriculture (DA) Regional Office 6
- 2. Development of Natural Source as Alternative to Synthetic Methionine for Native Chicken Organic Supplemental Feed Production**
 - By Jaime C. Cabarles, Jr.
 - Funded by Department of Agriculture's Bureau of Agricultural Research (DA-BAR) RO6
- 3. A Study on the Nutritional Quality of *Moringa oleifera* and *Moringa peregrina***
 - By Hope G. Patricio, Manuel C. Palada, Homer Deloso and Diaden E. Garcia
 - Funded by the University of Florida North Florida Research and Education Center Quincy, Florida
- 4. Social Impact Assessment of the LIFE (Livelihood Intervention thru Financing and Entrepreneurship) Project**
 - By Ernesto S. Saquibal, Jr. and Reynaldo N. Dusaran
 - Funded by APPEND, Inc.
- 5. Status of Maternal and Child Health (MCH) in Western Visayas**
 - By Irving Domingo L. Rio, Saalex E. Alibogha, Melba C. Sale, Ma. Lourdes N. Sampiano, Joelah V. Rio, Rita E. Penaso, Julieta H. Boteros, Novie Joy C. Soledad and Charlie D. Baldon
 - Funded by Department of Health, RO VI
- 6. Assessment of the Consultant Hiring Strategy of the DOH Region VI to Deliver Family Planning Services in Western Visayas**
 - By Mary 'O Penetrante, Dimpna Castigador, Patrocinio Pudadera, Joel Somosierra and Lofel Diamante
 - Funded by Department of Health, RO VI
- 7. Assessment of the Implementation of Community Health Team (CHT) Mobilization in Region VI**
 - By Carolyn L. Yoro, Susan M. Sumande, Nelida L. Lamasan and Norma S. Suerte
 - Funded by Department of Health, RO VI
- 8. Assessment of the AH Connect Strategy under the Alternative Health Service Points for Adolescent Health and Development Program of the DOH-RO VI**
 - By Raquel Polec-eo, Gift Tragico, Florabel Suarez, Rea Balontong, Lennon Pajar, Merle Junsay and Eddanee Debuque
 - Funded by Department of Health, RO VI
- 9. An Assessment of the 2016 Business Registration Process in Iloilo City**
 - By Mary "O T. Penetrante, Dimpna C. Castigador, Lenny Rose P. Mucho, Daisy Jalbuena and Elaine Capalla
 - Funded by USAID Surge Project
- 10. Report on the Conduct of Streamlining Workshops in Business Permits and Licensing System of the Cities of Puerto Princesa, Tagbilaran and Zamboanga**
 - By Mary "O T. Penetrante, Dimpna C. Castigador, Levi O. De los Santos, Jr., and Leofel J. Diamante
 - Funded by USAID Surge Project
- 11. Strengthening LGUs and CSOs Partnerships Towards Participative, Responsive and Sustainable Development – DILG TA for LRI on the Utilization of the Citizen Satisfaction Index Survey Results**
 - By Mary "O T. Penetrante, Dimpna C. Castigador and Gilda C. Monsole
 - Funded by Department of Interior and Local Government TA for LRI on the Utilization of the Citizen Satisfaction Index Survey Results

Completed Externally Funded Researches

Development of Meat-Type Native Chicken Breed

- A. Performance Evaluation of Selected "Jolo" Chickens as Potential Breeding Stocks
 - B. Performance Evaluation of Selected "Bisaya" as Potential Breeding Stocks
 - C. Standardization of "Jolo" Genetic Group into Malay Chicken as Potential Male Parental Lines for the Development of Philippine Meat-Type Native Chicken Breed (Phase II)
 - D. Organic Native Chicken Production: A Techno-Demo on Commercial Scale Production
 - E. Crude Protein Requirements of the Different Genetic Groups of Free-Range Native Chickens in Western Visayas, Philippines
- By Jaime C. Cabarles, Jr. and Darlene Cañoso
- Funded by Department of Science and Technology - Philippine Council for Agriculture, Forestry and Natural Resources Research and Development (PCARRD) and Department of Agriculture – RFU VI
 - (completed January 2015)

Director's Desk



By DR. REYNALDO N. DUSARAN

RESEARCH EDITING & PUBLICATION COMMITTEE

Dr. Stella G. Fernandez
Chairperson

Prof. Hope G. Patricio
Co-Chairperson

Members:

Dr. Ilda G. Borlongan
Dr. Jaime C. Cabarles, Jr.
Dr. Anita U. Illenberger
Dr. Nicolas G. Guanzon, Jr.
Dr. Margen A. Java
Engr. Babylou G. Nava
Engr. Aries Roda D. Romallosa
Ms. Rea Angelica F. Villeza

Ligaya Villarias-Caniel
Secretary