CMU Signs MOA with DA-ATI

Central Mindanao University (CMU), has signed a Memorandum of Agreement (MOA) with the Department of Agriculture-Agricultural Training Institute (DA-ATI) to implement a project entitled, “Production of Information, Education and Communication Materials,” in the amount of P 200,000.00.

The project, which aims to popularize and package research-based technologies in order to increase client awareness and consequently enhance adoption and utilization, will be implemented for a maximum duration of one (1) year starting last June this year.

DA-ATI has provided the funding support while CMU through the Information and Communication Unit (ICU) of the University Extension Office is tasked to localize 50 research-based technologies, develop them into primers and leaflets and produce 180 copies each of the identified technologies.

Dr. Angelito Y. Quirog, OIC-Center Director of ATI-Regional Training Center X, visited CMU last June 25, 2012 talked with Dr. Maria Luisa R. Soliven, the University President and turned-over the P200,000.00 check from DA-ATI.

CMU Extends Corn Seeds to ATI-FFS Malaybalay

Central Mindanao University (CMU) through the University Extension Office provided a total of 35 kilograms Open Pollinated Varieties (OPV) of corn to the Agricultural Training Institute-Region X for the establishment of varietal trials in their Participatory Experimental Trial and five (5) affiliated Farmers Field School (FFS) in Malaybalay City. It consisted of OPV Var 6, 8 and 13 and IPV Var.

ATI-X spearheaded the implementation of the season-long Trainers’ Training on IPM for the Agricultural Extension Workers (AEWs) in the region in collaboration with ATI Regional Field Unit-X and LGUs in the region through enhancing the capabilities and capacities of the AEWs in terms of the methodologies and scientific approaches in growing corn in support to the national government’s goal relative to food sufficiency and food security by 2013 – 2016.

It can be recalled that the ATI-X and CMU Extension Office had been partners in the corn-based Farmer Scientist Training Program (FSTP) since 2010 as mandated by Executive Order 70 by the former President of the Philippines Gloria Macapagal-Arroyo.

Adopters Find CMU-generated Technologies Effective

Some CMU-generated technologies were found to be effective. This is the finding of the effective assessment survey conducted early this year at North Poblacion, Maramag, Bukidnon.

According to some 25 respondents of the said survey, after attending the information drive conducted in their barangay last March 12, 2011, they utilized and adopted some CMU-generated technologies which were promoted in that activity like the vermi composting, use of penicillin plant (Posequeria dumetorum), improved management of ginger production and recycling of waste materials.

In fact, Ms. Imelda Paulican-Mendoza of Purok 3, North Poblacion revealed that she raised one and one-half kilos of vermi and after six months she was able to harvest 50 bags of vermi cast which she used to fertilize her 2.5 hectares lowland rice. She said that her yield of the rice variety commonly known as “barako” greatly increased.
COMBASUDEP Updates

Engineering Bares Project Accomplishments

The College of Engineering, this University bares its accomplishments of the two (2) extension projects implemented in Barangay Bayabason, Maramag, in this province.

The first project entitled, “Rural Water Supply Improvement Project,” was aimed to assist the said barangay in their ongoing construction of their additional source of water for household consumption with Engr. Rogelio Paguntalan as the Project Leader.

According to Engr. Gladys G. Silabay, the College Extension Coordinator, based on the team’s evaluation, it was found out that the barangay’s existing intake boxes did not follow the standard design because such were built with no or insufficient manholes. She explains that the manhole is important specially for maintenance purposes. Likewise, the team has also discovered that the flow-off pipe was used as the existing supply pipe. Drain pipe flow-off pipe is used to drain turbid water and remove the sediments or in case clogging may occur in pipes from the intake box. The two reservoirs will be inadequate especially in terms of its storage capacity since the volume of water needed to supply the demands 10 years from now will be greater than the present. Likewise, the team also found out that the present water supply system of Barangay Bayabason has no air vent that may result to intense pressure causing water pipes to burst.

Moreover, the team also revealed the result on the water quality analysis they conducted wherein the water was found to be unsatisfactory for direct human consumption. If taken directly without boiling, it can cause diarrhea due to its high Most Probable Number (MPN) bacterial count. Fortunately, no agro-chemical contaminants were detected within the limit of determination by the Pesticide Analytical Laboratory (PAL) of the Department of Agriculture (DA) in Macabalan, Cagayan de Oro City. The analysis also bared that regarding the water’s physical and chemical properties like the pH, alkalinity, and Total Suspended Solids (TSS), they are below the maximum limit but the TSS is little over the maximum limit; hence, its observed physical and chemical qualities passed the standards.

Thus, in a meeting with the barangay officials, results of the extension project as well as the dissemination of information on Solar Disinfection (SODIS) as alternative water disinfection were presented. Likewise, the Rainwater Harvesting technology was also presented as another source of water for cleaning and washing purposes to save water.

Furthermore, the team recommended the following to improve the water system of Barangay Bayabason:

1. Pipeline should be properly embedded or be secured for protection from damage/leakage and illegal tapping.
2. To meet the drinking standards, water sanitation and treatment is also recommended.
3. Basic design of water system structures especially the intake box should be considered.
4. Installation of fence enclosure to seal off the spring sources, hence, other domestic activities done within the area like bathing and washing of clothes can be prevented.
5. Installation of collection boxes and reservoirs.
6. Air vents in the pipeline should be provided for pressure regulation in the mainline.

On the second extension project entitled, “Assessment on Electrical Installations, Safety and
COMBASUDEP Updates

Dologon Populace Participate in Enhancement Forum

Sixty-one residents of Dologon successfully participated in a one-day Enhancement Forum on Crop-Animal Production and Management held on April 20, 2012 at Dologon Barangay Hall. The said forum was conducted by the College of Agriculture under the leadership of the College Extension Coordinator, Dr. Annie L. Deriada, which aimed at establishing continuity of the College of Agriculture’s extension project in that barangay to help the populace achieve a better life.

Dr. Deriada, during the orientation, explained to the participants the objectives of the forum. Then, the setting of expectations from the participants followed with Ms. Conrada P. Yecyec, COMBASUDEP focal person as the facilitator. Punong Barangay Miguel C. Ceballos, in his welcome remarks, warmly welcomed the experts from CMU and the participants to the said forum.

Discussions of different topics by the following pool of experts from the College of Agriculture include: Dr. Guia G. Saluadores – Lecture on Mushroom (Volvariella sp.) Production and Management; Prof. Eduardo V. Lagua – Native Chicken Production and Management; Ms. Shella C. Poonon – Cost and Return of Volvariella Mushroom Production and Cost and Return of One Module Native Chicken Production.

Meanwhile, Ms. Efignia P. Antona, one of the participants who gave her impressions on the activity, expressed her heartfelt thanks to the CMU team for conducting such informative forum because according to her, “she gained knowledge on proper care and management of chicken raising and mushroom culture.” However, she expressed fears that she might encounter problems in the future like the market outlet of the mushroom and price of mushroom might become low when there is already a supply and problem on a disease inflicting chicken such as epidemic or colds. Likewise, she expressed her hopes that technical and financial support will still be provided to them.

The conduct of the forum was one of the expected outputs of the extension project of the College of Agriculture of this University.

Engineering Bares... (from p.2)

Conservation,” with Prof. Roger C. Flores as the Project Leader, it aimed to evaluate residential electrical installations on the conformity to the provisions of the Philippine Electrical Code and the local electric utility guidelines and policies, and to promote electrical safety awareness, basic energy conservation and monthly energy consumption estimate for electrical consumers in the said barangay.

On electrical installations, safety awareness and energy conservation, a seminar-workshop was conducted on March 12, 2012 among the members of the Barangay Council, staff, and some residents of the barangay which aimed at creating awareness on electrical safety, energy conservation and efficiency, and actual electrical energy consumption with the faculty of the Electrical Engineering Department and the Information Officer of the First Bukidnon Electric Cooperative (FIBECO) as the resource speakers.

In fact, based on the team’s inspection of 20 households, it was found out that most of the residents have violated some of the prescribed guidelines of the...
**HS Senior Students in Valencia City Complete Career Pathing**

Some 504 senior students of nine private high schools in Valencia City completed the Career Pathing Project conducted by the Department of Behavioral Sciences, Social Sciences, Languages and Literature, Biology, Chemistry, Mathematics, and Physics of the College of Arts and Sciences. The participating schools include: Valencia Baptist Christian Academy, Philippine College Foundation, Infant Jesus School of Bukidnon, Bukidnon Faith Christian School, Inc., Immaculate Conception High School, Sinayawan Development Academy, San Agustin Insitute of Technology, First Fruits Christian Academy and New Life Foundation Ministry. The said students were given mental and aptitude tests. Students of the participating schools are given copy of their psychological test results.

Except for the First Fruits Christian Academy and New Life Foundation Ministry, the other participating schools attended the enhancement classes in Math, English, Biology, Chemistry and Physics. They were given a pre-test and a post test. Statistical analysis shows that the enrichment classes, as an intervention, are effective. The knowledge of students in English, Math, Chemistry and Biology can be enhanced by refresher or enhancement activities.

This career pathing for high school senior students in Valencia City is under the Project 2 of CAS spearheaded by Prof. Lucy B. Ledres.

**Engineering Bares... (from p.3)**

Philippine Electrical Code such as: many of the houses were using extension wires permanently; main feeder wire size of some houses were undersized; there was only one circuit breaker for lighting and convenience outlet; circuit breaker rating of few houses was less than the minimum requirement; illegal use of foil to replace busted fuses while one house does not even have a single convenience outlet.

The Departments of Agricultural Engineering, Civil Engineering and Electrical Engineering have jointly undertaken the project approved in June 2011 for implementation until May 2012 under the Community-Based Sustainable Development Program (COMBASUDEP) of the University Extension Office.

The said two extension projects in Barangay Bayabason were composed of different studies, namely: Water Supply Improvement Project - Study I: Bacteriological Quality of Domestic Water with Study Leader Dr. Nelsa J. Oliia; Study II: Evaluation of Domestic Water Supply System by Prof. Gladys G. Silabay; and Study III: Capability Enhancement of Water Users by Dr. Paguntalan; while the Assessment of Electrical Installations was divided into two studies: Study I- Assessment of Residential Electrical Installations with Engr. Ariel E. Abay as Study Leader, and Study II- Enhancement on Electrical Safety Awareness and Conservation with Engr. Earl M. Opiso as Study Leader.

**Adopters find... (from p.1)**

by 15 sacks than her previous harvest. Despite the fact that she did not reveal the exact figure of her income, but generally, she described her use of vermi cast as an organic fertilizer to her lowland rice field as a “great experience because it gave me good yield, heavier grains, thus, good income.” Likewise, her expenses for inorganic fertilizer has also decreased, she added.

On the other hand, Ms. Mendoza has also applied the improved cultural management practices of ginger production based on the information she gained from the primer she bought during the same information drive. She also found the technology effective as she was able to harvest 15 kilos out of three rows or 20 hills of ginger she planted. She said that she sold the ginger at P20 per kilo in the market while the rest of the harvest were used as spice to her food business and others were also given to her friends as samples. She also tried the Korean way of raising swine but the result was not so convincing because it only gave her break-even income, she said.

Another homemaker, Ms. Luzviminda B. Hipolan of Purok 9A, North Poblacion also tried raising a half kilo of vermi and three months later, she got three sacks of vermi cast. According to her, she then used the vermi cast when she planted ginger. “Ten months later, there was no vermi cast left on the sacks but instead, the sacks were full of ginger with a total volume of 25 kilos,” she revealed.

Meanwhile, ten other adopters of CMU-generated technologies confirmed the positive effect of the penicillin plant (Posoqueria dumetorum) when they used it as anti-fungal for vegetables. According to Ms. Marilyn C. Rebojo, Mr. John Andre G. Lalaan, Ms. Esther Y. Cornilla, Ms. Nerissa S. Felonia and Ms. Azucena Sanchez, they pounded one to two handful of posoqueria dumetorum fruits mixed with a half glass of water, strained and evenly sprayed the concoction to the vegetables such as alugbati, eggplants, string beans, and squash. They found out that shelf life of the said vegetables was prolonged to an average of one week for alugbati, eggplants, and string beans and one month for squash.

On the other hand, Ms. Rutchelyn S. Andaya, Ms. Segundina T. Requias, Ms. Rowena D. Equiza, Ms. Glenda M. Tandan, and Ms. Fatima A. Rendon have also tried using posoqueria dumetorum as antibiotic which they also found to be an effective treatment for chicken infected with colds (coryza).

Another group of adopters namely: Ms. Dorothy P. Felipe, Ms. Darwinda B. Pasulajon, Ms. Jasmin P. Quillope, Ms. Luzviminda A. Dumapias, Ms. Glenda M. Tandan, Ms. Fatima A. Rendon and Ms. Rebojo have tried recycling their household wastes and recycled the same into home decorations like flowers, christmas decors, necklace, among others.

On animal healthcare, Ms. Mercedes L. Dumapias, Ms. Requias, Ms. Felipe, Ms. Tandan, Ms. Rendon, and...
ICU Promotes CMU-generated Technologies and Commodities

With its primary purpose of promoting CMU-generated technologies and other commodities, the Information and Communication Unit (ICU) of the University Extension Office has recently spearheaded the conduct of two (2) information drives in Barangays Kahaponan and Batangan in Valencia City.

Promoted during the said information drive in Barangay Kahaponan were the following CMU-generated technologies and the speakers: basic animal healthcare by Dr. Emmanuel T. Baltazar, the Director of Extension, who is also a faculty member of the College of Veterinary Medicine; mushroom production by Dr. Guia G. Saludares and vermi composting/organic farming by Prof. Editha L. Agus. Both are faculty members from the College of Agriculture.

Among the three topics, vermi composting and organic farming had the most number of queries asked by the participants followed by mushroom production and basic animal health care.

A total of 431 participants who were mostly homemakers, farmers, Barangay Health Workers (BHWs) and Barangay Nutrition Scholars (BNS) attended the said activity which was held at the Barangay Hall last March 27, 2012.

Moreover, three (3) participants gave their impressions on the activity. Mr. Macario Loking, an Agricultural Technologist of the City Agriculture Office of Valencia, said “I am so thankful for the initiative of the CMU team and the barangay officials of Kahaponan for hosting such informative endeavor.” Likewise, he said that he is looking forward to another collaborative information drive with the DA and CMU. On the other hand, Mr. Rodenio Mollena, a farmer and Ms. Evelyn Leal, a homemaker, both expressed their heartfelt gratitude to the CMU team as well as to the barangay officials for giving them the opportunity to gain more knowledge on the new technologies that could help augment their incomes.

For his part, Punong Barangay Alexander J. Dao-ayan, in his closing remarks said that aside from being so thankful to the CMU team, he also stressed that the activity “is a big help to the populace of Kahaponan.”

Meanwhile, in the information drive conducted in Barangay Batangan last April, 2012, Dr. Saludares discussed mushroom culture; Prof. Agus on vermi production and organic farming; while Prof. Filipinas L. Cordero on handicraft making and Ms. Helen Panganiban discussed cash on trash. Prof. Cordero is with the Techno-Demo Services Unit (TDSU) and Ms. Panganiban is with the Capability Building Unit (CBU) of the University Extension Office.

Purok leaders, BHWs, and some members of the barangay council were the participants in that activity who will disseminate the information to their respective constituents.

Hon. Era P. Sanchez, Officer-In-Charge of the Barangay Council that day together with other council members and Mr. Marlou Tuba, also an AT from the City Agriculture Office of Valencia, facilitated the conduct of the said information drive.

Various techno-packs were also displayed for sale during those information drives. In fact, some participants bought primers on vermi culture, goat raising practices, Korean way of hog raising, medicinal plants and guide leaflets on vegetable and mushroom culture.

The conduct of such information drives is a regular activity of the ICU as part of its technology promotion activities together with the experts from the different colleges of this University. It also aimed to expose the participants to various technologies that provide them with wide range of choices for entrepreneurial activities and to sell primers and leaflets of CMU-generated technologies produced by the CMU-UEO.

CMU signs MOA...

Adopters find...

Ms. Ludivina A. Perez revealed that they became more responsible pet owners after that information drive. They said that they availed of the free anti-rabies shots for their pets, some of them applied regular deworming for their livestock and gave vitamin supplements to their chickens.

Seven others revealed to have made their own compost from fruits, vegetable and other biodegradable wastes for vegetable gardening. Others have also tried using medicinal plants like tawa-tawa (Euphorbia hirta L.) which they found to be effective to cure fever and olasiman or sinaw-sinaw (Peperomia pellucida L.) was used to normalize high blood pressure. However, on butterfly culture, two respondents said they were not successful on the technology.

On the other hand, ten others have also revealed that despite the knowledge they gained during that information drive, they have not tried any of the technologies promoted because they have no time and no available capital for the required inputs.

The assessment survey is conducted at least six months after an information drive to determine the utilization of technologies promoted in that techno-promotion activity of the Information and Communication Unit.
CMU Swine Experts Conduct Training in Oroquieta City

Swine experts of this University headed by the University Extension Director, Dr. Emmanuel T. Baltazar as training coordinator conducted a training on backyard hog production on May 24, 2012 at Kamayan sa Oroquieta, Oroquieta City, Misamis Occidental.

The said training is in line with the project of the World Fish Center entitled, "From Ridge to Reef: An Ecosystem Based Approach to Biodiversity Conservation and Development in the Philippines (EB-ABCD)," which aimed to enhance environmental awareness among livestock investors cum farmers.

Other members of the team were: Prof. Eduardo V. Lagua of the College of Agriculture who discussed care and management of growers and finishers and on marketing and accounting; Dr. Maria Lebeña B. Montemayor of the College of Veterinary Medicine who discussed on care and management of weaners and on record keeping and analysis and Ms. Jocelyn S. Hernane of the Capability Building Unit – University Extension Office as the training facilitator while Dr. Baltazar discussed breed identification and selection of stocks and disease identification, prevention and control.

Some 20 participants attended the said training who were mostly females, between 40 to 60 years and from Oroquieta City while others were from the municipalities of Aloran, Don Victoriano, Jimenez, Panaon, Sinacaban and Tudela, in the province of Misamis Occidental.

CoEd Sports Development Participate in Various Football Competitions

The College of Education Sports Development Program participated in various football competitions in January to June 2012 through its extension project entitled, “CMU Grassroots Football Project” with Prof. Gregorio C. Ramos, Jr. spearheading the said project.

Prof. Ramos revealed that they have participated/organized the following competitions and activities: CMU Mindanao Invitational Football Champions Tournament (9th edition), CMU Sports Center, Musuan, Bukidnon on January 14-15,2012; RIFA Cup International Football Festival at Xavier School, San Juan City; RIFA International Football Cup (Born 1996 and Born 1997 categories) at Xavier School, San Juan City on January 21-22, 2012; and, Street Football: CMU A-KIDS vs. Monte Carlo FC of CDO at Valencia City Gym, Valencia City on February 4, 2012.

Prof. Ramos also disclosed that with him were faculty coaches: Engr. Ronaldo Balandra; Dr. Denis A.

CBU Ties-up with CNET Valencia

In line with the program of the Barangay Integrated Development Approach for Nutrition Improvement (BIDANI) of the Capability Building Unit under the Participatory Domiciliary Nutrition Rehabilitation (PDNR) component, Ms. Helen E. Panganiban has served as one of the members of the City Nutrition Evaluating Team (CNET) of Valencia City.

The team evaluated 66 Barangay Nutrition Scholars (BNS) from the 31 barangays of Valencia City wherein Mrs. Paciana Dombase of Barangay Concepcion ranked first during the 2012 Annual Search for Outstanding BNS for the city of Valencia. She will automatically compete in the Search for Outstanding Barangay Nutrition Scholar at the regional level.