



## DOST IV-A, CvSU host 2<sup>nd</sup> National *Makapuno* Summit

With the theme “Empowering the Stakeholders of the Philippine *Makapuno* Industry amidst the Pandemic”, the Department of Science and Technology (DOST) IV-A, in partnership with Cavite State University (CvSU), hosted the 2<sup>nd</sup> National *Makapuno* Summit on November 26-27, 2020.

The event was conducted to help identify gaps in the *makapuno* industry and learn from the major developments from production to processing not only in the country but also in the global perspective.

Hon. Fortunato T. de la Peña, DOST Secretary, and Gen. Benjamin R. Madrigal, Administrator of Philippine Coconut Authority (PCA), served as guests of honor in the said activity. They inspired participants to do more collaborations to facilitate further development in the *makapuno* industry.

The Makapuno Growth Chamber developed in CvSU to produce disease-free and quality planting materials was launched in the summit.



Makapuno Summit poster

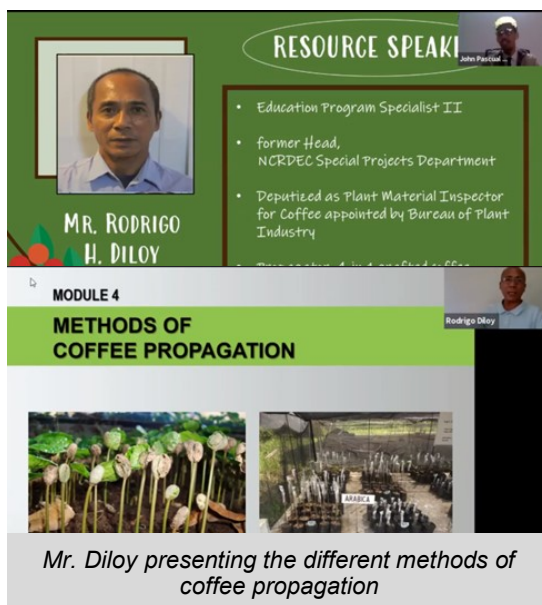
Likewise, the creation of Makapuno Research, Development and Extension Center, which is to be established at CvSU, was also presented.

Highlights of the *Makapuno* Island Project in Alabat Island, Quezon were presented and the outstanding stakeholders were also awarded. Among those awardees were: Mr. Joel J. Arandela (Best Farmer), Mr Nelson T. Omila (Special Recognition), Ms. Myleen L. Culing (Best Farm (continue on page 3)

## NCRDEC runs webinars on coffee planting materials

The National Coffee Research, Development and Extension Center (NCRDEC) conducted two webinar sessions focusing on planting materials for the month of November via Zoom. The 6<sup>th</sup> and 7<sup>th</sup> leg of the Coffee B.R.E.A.K. webinar series tackled topics on propagation methods and nursery accreditation last November 11 and 25, respectively.

The 6<sup>th</sup> webinar session titled, “Nurturing the Connection: Growing Coffee through Various Propagation Methods” was led by Mr. Rodrigo H. Diloy, Education Program Specialist II of the Extension Services Center in which the sexual and asexual methods of propagating coffee as well as the importance of quality planting materials were (continue on page 4)



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### VISION

The premier university in historic Cavite recognized for excellence in the development of globally competitive and morally upright individuals.

### MISSION

Cavite State University shall provide excellent, equitable, and relevant educational opportunities in the arts, sciences and technology through quality instruction and responsive research and development activities.

It shall produce professional, skilled and morally upright individuals for global competitiveness.

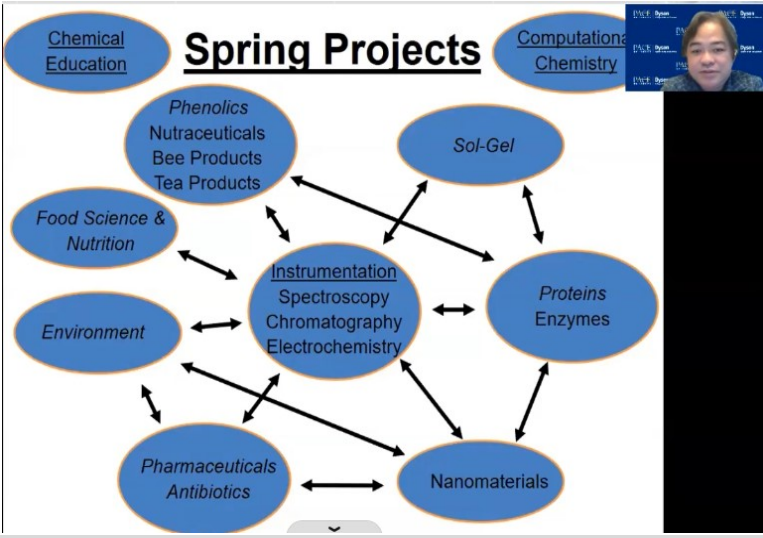
### QUALITY POLICY

We Commit to the highest standards of education, Value our stakeholders, Strive for continual improvement of our products and services, and Uphold the University's tenets of Truth, Excellence and Service to produce globally competitive and morally upright individuals.

# CvSU holds Annual Research In-house Review

Cavite State University conducted the annual research in-house review with the theme, “Navigating the New Normal: Effective Research Methods Amidst the Pandemic” on November 3-4, 2020 via CISCO Webex.

Dr. Elmer-Rico E. Mojica, professor of the Department of Chemistry and Physical Science, Dyson College of Arts and Sciences, Pace University, New York, USA, served as the keynote speaker. In his talk, Dr. Mojica inspired the participants through his research journey with a team aiming for each of them to grow as experts in the field. He also shared some tips on how his research team persevered amidst limitations brought about by the current pandemic.



Dr. E. Mojica during his keynote speech during the Research In-house Review

For the plenary session, Dr. Louziela P. Masana, a junior faculty researcher of CvSU-General Trias City Campus, discussed “Flourishing Research Capability Amidst the Pandemic: An Enhancement for Junior Researchers.” She emphasized that researchers should take care of their mental health while trying to work on their studies and to build credibility as researchers.

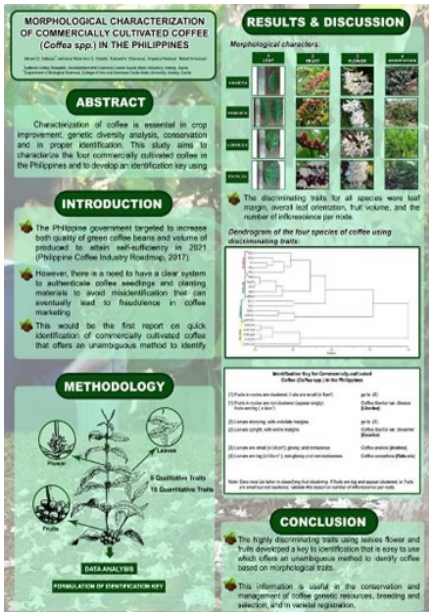
Meanwhile, Dr. Ma. Cynthia R. Dela Cruz, a senior faculty researcher and administrator of CvSU-Imus Campus, talked on the topic, “Research for a Better Normal: Perspective of a Senior Faculty Researcher” where she demonstrated how researches are anchored on global, national and institutional agenda. She also emphasized the research-instruction-extension continuum as a guiding principle for researchers, both

young and senior. She also encouraged collaborative research among faculty, and for administration to ensure continuous support to the University’s research and development activities.

This annual review was conducted to evaluate both ongoing and completed researches in the University. This year, 15 ongoing projects were presented: five under the social sciences category, four for agriculture and life sciences, and six for engineering and ICT.

Completed papers were divided into three categories: agriculture and life science, engineering and ICT, and development category. Dr. Hosea L. Matel and Mr. Nhyll Angelo S. Acuña bagged first place in agriculture and life science category with their research titled, “Comparison of Different Enzyme Preparations for Production of Oligofructose and Inulin from Sugarcane Juice”. Dr. Victoriano N. Rodil, Mr. Frinze Al. A. Bernal and Mr. Seuz Rey R. Cantela won first place in the social science category for their research, “Gender-Based Differentiation among the Elected Barangay Officials in the First District of Cavite”. Meanwhile, Engr. Gerry M. Castillo, Engr. Rosalie A. Pelle, Engr. Al Eugene L. Torres, Engr. Ric Karl T. Flores, and Ms. Antonette Jean L. Magcamit were awarded as first place in the development category with their research titled, “Design and Development of a Programmable Logic Controller (PLC)-Based High Capacity Plant Tissue Culture Growth Chamber for the Mass Propagation of Coffee”. The first, second and third place winners received Php 5,000.00, Php 3,000.00 and Php 2,000.00, respectively.

For the poster presentation, out of nine entries, the best poster award was given to the study titled, Morphological Characterization of Commercially Cultivated Coffee (*Coffea* spp.) in the Philippines, authored by Dr. Miriam D. Baltazar, Ms. Jermaine Marie Ann O. Fabella, Mr. Maowell A. Villanueva, Ms. Angeliza Restriva, and Ms. Mabel Amiscosa. (JMMojica)



The winning poster



Participants during the Research In-house Review



# Malabayabas participates in 3<sup>rd</sup> DOST-PCAARRD IP Master Class

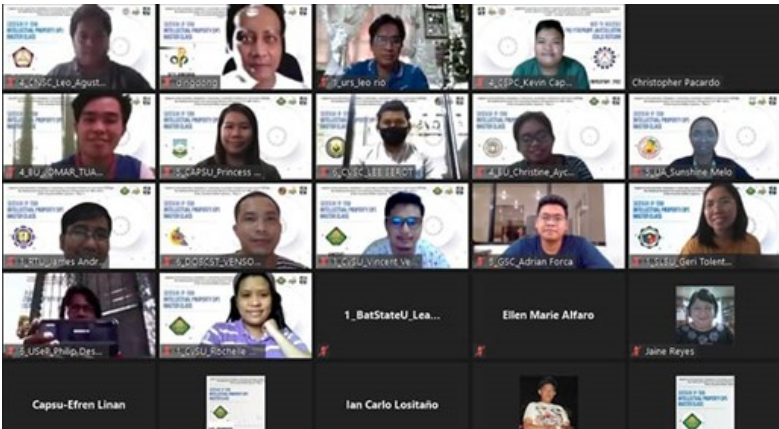
To enhance knowledge in terms of intellectual property rights, Ms. Rochelle C. Malabayabas, an instructor from CvSU-Carmona, was selected as one of the participants in the 3rd DOST-PCAARRD Intellectual Property Master Class under the Non-Chemical Category. The activity was conducted via online video conferencing from July 6 to October 23, 2020 with a total of 160 training hours. The training was divided into five (5) modules, in which the first and second module were handled by the regional group; while the other modules were conducted by the Association of PAQE Professionals, Inc. (APP) and Philippine Council for Agriculture, Aquatic and Natural Resources Research and Development (PCAARRD).

The first module gave the participants an overview of the different intellectual property rights. In the second module, they were asked to do a prior research of their chosen technology. For the third module, they were taught proper claim drafting and invention spotting while the fourth module focused on the process of answering the substantive examination as well as writing the amendments in the patent application. During the last module, the participants were also asked to file their technology using the online filing of the IPOPHL. It also covered the discussion about infringements, prior sale as well as trademarks.

A mock examination was also given to participants to assess their learnings. The culmination of the master class was held through a virtual graduation on October 23, 2020. (RCMalabayabas)



Ms. Malabayabas graduated in the IP Master Class



Participants of the 3rd IP Master Class

**DOST IV-A, CvSU, host ...** (from page 1)  
Technician) and Ms. Zita M. Mesa (Best Municipal Agricultural Officer).

Dr. Alexander R. Madrigal, Regional Director of DOST-CALABARZON, also received a Plaque of Recognition for being instrumental in different initiatives towards the development of the *makapuno* industry.



Hon. De La Peña (top) and Dr. Madrigal (bottom) delivering their messages

Results of makapuno researches were also highlighted in the event through poster competition. The winners were also awarded such as PCA-Albay Research Center for the Coconut Ice Cream with *Makapuno* Liquid Endosperm (1<sup>st</sup> place and Viewers' Choice Award); National Coconut Research Center – Visayas and College of Engineering, Visayas State University for the Development and Quality Evaluation of 'Makapuno' (*Cocos nucifera* L. 'makapuno') Biscotti (2<sup>nd</sup> place); and Department of Agriculture RFO-IVA - Lipa Agricultural Research and Experiment Station (LARES) for the Sustainable Embryo-Cultured *Makapuno* Production at Lipa Agricultural Research and Experiment Station (3<sup>rd</sup> place).

Information was also overflowing with discussions on relevant topics delivered by the following plenary speakers: Dr. Le Cong Nong, Director of Institute of Oil and Oil Plant in Vietnam; Dr. Roland Bourdeix, International Expert of Diversiflora Enterprise in France; Mr. Alfred Kembu, manager of Productivity Improvement Program Kokonas Industri Koporesen in Papua New Guinea; Dr. Hengky Novariant, Senior Scientist at Indonesia Palm Crops Research Institute in Indonesia; Dr. Alexander R. Madrigal, Regional Director of DOST-CALABARZON; Ms. Maria Buena A. Ubaldo, Science Research Specialist II at PCA-Albay Research Center; Mr. Ramon Rivera, Regional Manager of PCA-CALABARZON; Mr. Policarpio Abary, *Makapuno* Entrepreneur in Quezon; Dr. Joel Lee, Director of School of Chemical Life Sciences at Nanyang Polytechnic in Singapore; and Mr. Jun Ayensa, *Makapuno* Farmer.

More than 200 *makapuno* farmers and processors, representatives from state universities, colleges, other private higher education institutions, national government agencies, non-government organizations, local government units, and private individuals participated in the summit conducted through Zoom and live streamed via Facebook. (LAAOrsal)



## CAS faculty take oath as NRCP associate members

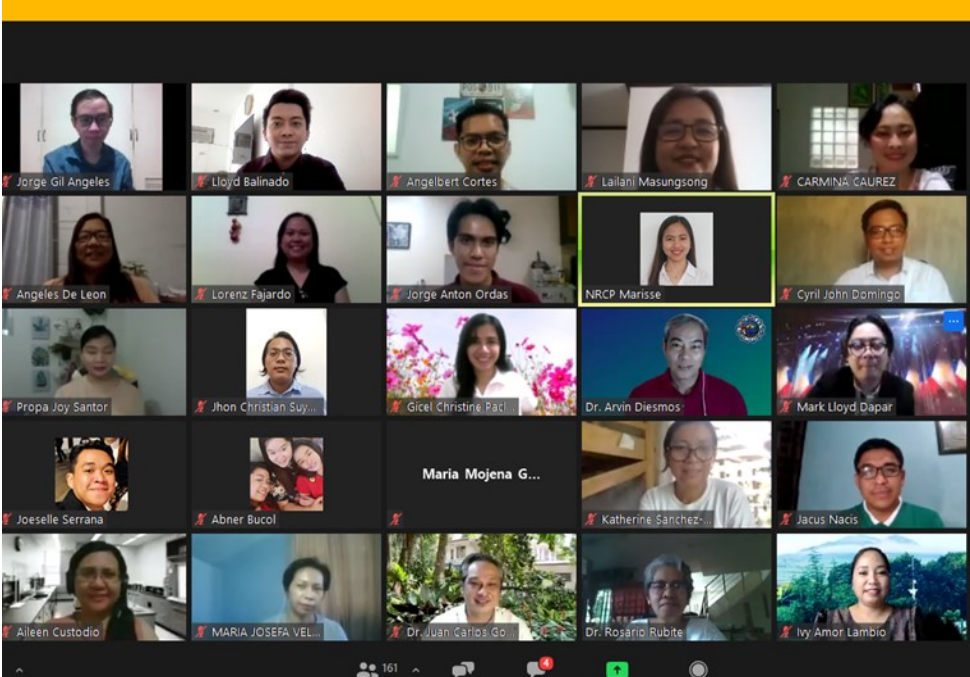
Mr. Lloyd O. Balinado and Mr. Angelbert D. Cortes, faculty members of the Department of Biological Sciences, College of Arts and Sciences, took their oath as new Associate Members of Division V (Biological Sciences) of the National Research Council of the Philippines (NRCP) during the NRCP Division V

Scientific Webinar and Business Meeting on November 30, 2020 via Zoom.

The ceremony was led by its Division Chair, Dr. Arvin C. Diesmos, Scientist III of the National Museum of the Philippines. After being inducted into the NRCP's roster of Associate Members, Mr. Balinado and Mr. Cortes are now part of the pool of experts who will support the Council's mandates of advancing the status of research and science and technology (S&T) in the country.

As active members of the Council, they can avail of benefits and privileges including financial grants for basic researches, support in pursuing professional development opportunities, and engagement as advisers or experts for scientific consultancy services. They are also expected to participate in the Annual General Membership meetings, Divisional meetings, and other NRCP-sponsored scientific activities. Their expertise can also be tapped in the dissemination of scientific and professional knowledge during technical fora, scientific sessions, and regular meetings.

NRCP is the oldest collegial scientific body in the country created in 1933 by Republic Act No. 4120. (LOBalinado)



Screenshot of Mr. Balinado and Mr. Cortes during the NRCP oath taking

### NCRDEC runs webinars ... (from page 1)

discussed. This session also showcased the Don Severino's Aguinaldo Blend Coffee, a coffee blend developed by Cavite State University and is a combination of Cavite Barako, Robusta and Arabica beans.

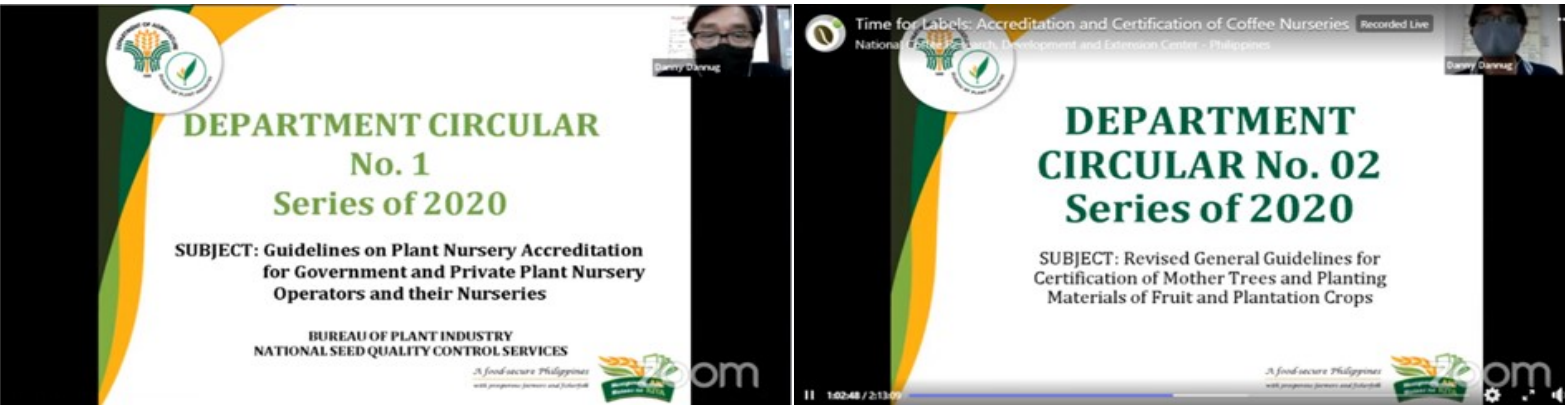
Meanwhile, the 7<sup>th</sup> session titled, "Time for Labels: Accreditation and Certification of Coffee Nurseries" was led by two experts from the Department of Agriculture – Bureau of Plant Industry under the National Seed Quality Control Services namely: Mr. Danilo T. Dannug and Mr. Earl Austin B. Aromin. The said lecture focused on the different requirements and key considerations for nursery accreditation and plant material certification for coffee.

The two sessions gathered a total of 133 participants from various academic institutions,



Mr. Dannug (left), Mr. JP Magnawa, moderator (middle) and Mr. Aromin (right) during the webinar

government agencies and local government units (LGUs), members of people's organizations and non-government organizations, owners and personnel of private enterprises, and coffee enthusiasts. (RKTFlores)



Mr. Dannug (left) and Mr. Aromin (right) during their presentation



## Creencia talks at DENR webinar series

Mr. Glenn Bryan A. Creencia, instructor of the College of Agriculture, Food, Environment and Natural Resources (CAFENR) and a designated faculty researcher, presented his paper titled, “No Seagrass in Cavite” No More: The Seagrass Research Initiatives in the Province of Cavite”, during the Episode 4: Presentation of Researches Conducted in Ecosystems within CALABARZON of the Department of Environment and Natural Resources’ (DENR’s) webinar series last October 15 via Facebook live.

According to Mr. Creencia, the province of Cavite lacks research data on seagrass. His study started with a map of the Maragondon-Ternate coastal area which shows a green portion that stirred his curiosity. With the help of experts from the Cavite Provincial Environment and Natural Resources Office (PENRO), Philippine Coast Guard (PCG) and Cavite State University (CvSU) Environmental Science students, he conducted his first seagrass exploration along the Ternate coastal area in February 2020 but no seagrass was found.

Another seagrass exploration, together with officials from Coastal Conservation unit of PENRO Cavite, was done on the same month along the Maragondon coastal area and got a positive result.

His study proved that there is still seagrass in Cavite coastal area specifically in Maragondon. The next phase of his study is the diversity, distribution and indices of seagrass which will serve as a baseline data of

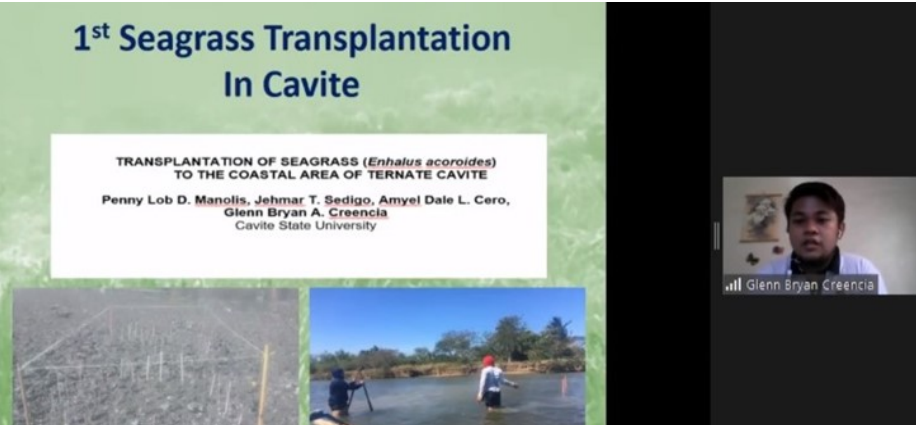


Poster of Episode 4 of the DENR webinar series

Cavite in terms of seagrass ecosystem.

Another research initiative on seagrass was the 1<sup>st</sup> Seagrass Transplantation to the Coastal Area of Ternate, Cavite done by faculty and students of CvSU wherein planting materials were taken from a donor site in Batangas. The second phase will be in -vitro reproduction where planting materials from seeds will be done in the laboratory.

Mr. Creencia graduated with the degree of Master of Science in Environmental Science from De La Salle University – Dasmariñas with high distinction and Best Thesis Award. Currently, he is taking his doctorate degree in Environmental Science at the University of the Philippines – Los Baños. (MBEugenio)



Mr. Creencia presenting his research initiatives on seagrass

## Balinado bags 1<sup>st</sup> place in BioTiktok competition

Mr. Lloyd O. Balinado, a faculty member of the Department of Biological Sciences, College of Arts and Sciences, won First Place in the BioTikTok Competition held during the 16<sup>th</sup> National Biotechnology Week (NBW) last November 23-27.

NBW is a national event under Presidential Proclamation No. 1414. With the theme, ‘BIOTEKNOLOHIYA: Pagbangon at Pag-asa Tungo sa Matatag na Komunidad, Kapaligiran at Ekonomiya’, this year’s celebration was spearheaded by the Department of Environment and Natural Resources (DENR) and aimed to highlight the many contributions of biotechnology in agriculture and food security, equitable health care services, development of industries and business enterprises, sustainable environment, and economic development. This week-long event included a BioTikTok Competition which intended to showcase the talent and creativity in making short tutorials (i.e., three-minute videos) that feature biotechnology concepts, techniques, and experiments using social media application like Facebook and TikTok.

Mr. Balinado, with his entry titled, “CRISPR Technology sa Panahon ng COVID-19”, discussed the potential of the CRISPR (Clustered Regularly Interspaced Short Palindromic Repeats) technology, an emerging gene editing tool, in addressing the current pandemic. He presented briefly the mechanism of this research tool and how it can be utilized in developing diagnostic tools in targeting and degrading the COVID-19 coronavirus, and in discovering and developing new drugs. Judged based on technicality, (continue on page 6)



# CCJ leads trainers' training on mental health, psycho-social support

The College of Criminal Justice (CCJ) through its extension project “Iba Na Ang Handa”, in collaboration with GAD Resource Center, Center for Disaster Preparedness (CDP) and Persons with Disability Affairs Office (PDAO) of the Province of Cavite, conducted a training of trainers on November 9-10, 2020 via Zoom. This activity aimed to provide care for the caretakers and to address the issue on mental health among persons with disability (PWDs).

A total of 25 participants (21 female and 4 male individuals) who deal with PWDs were from PDAO-Cavite, volunteer workers from Happy Homes Housing Cooperative (a PWD Community) and a Baptist Church in Dasmariñas City.

For Day 1, the participants were divided into two groups for the actual psycho-social session. For Day 2, topics on basic concepts of mental health, skills of a psycho-social provider, exercises for self-care/ coping with stress and Psycho-Social Support (PSS) facilitation tips were tackled. After the discussion, the participants were again divided into two groups and were tasked to facilitate a psycho-social session with the resource speakers from CDP acting out as the participants to the PSS session.



PDAO, CvSU and CDP meeting and finalizing details for the trainers' training on Mental Health and Psycho-social Support

After the webinar, a debriefing was conducted by the organizing team composed of representatives from PDAO, CvSU and CDP. Positive comments were given to how the participants reacted and participated in all sessions. PDAO and CvSU expressed their willingness to be of assistance to CDP whenever they need human resources in conducting future webinar/training on mental health and psycho-social support in the Province of Cavite.

The above activity was conducted in view of the celebration of World Mental Health Day every 10th day of October each year since 1992. It aims to promote mental health advocacy, educate the public, raise awareness and try to prevent the stigma which is still often associated with mental health issues. Whereas, in the Philippines, by virtue of Proclamation No. 452, the second week of October of every year has been declared as National Mental Health Week.

Mental health is central to everyone's well-being and it is important to recognize that these issues can affect anyone. With the current pandemic brought about by COVID-19 and the safety measures implemented by the IATF such as social distancing can make people feel isolated and lonely which can eventually increase stress and anxiety.

Volunteers addressing the needs of PWDs must also be cared for. They must also be equipped with the basic knowledge, proper skills and attitude in providing psychosocial care intervention to affected persons with special needs. (SGTan)

## Balinado bags 1st place ... (from page 5)

originality, creativity, and popularity, Mr. Balinado's entry garnered 1<sup>st</sup> place, and was given the Popularity Award.

Mr. Balinado received a cash prize of P8,000.00, an e-certificate, and P1,000.00 worth of prepaid load. His entry was posted and can be viewed on the DA Biotech Program's Facebook Page. (LOBalinado)



Participants to the trainers' training

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