



Students perform cultural presentations in celebration of the IP Month. Photo story is at page 6.



# Shamag

OFFICIAL PUBLICATION OF BENGUET STATE UNIVERSITY

ISSN 0118-0304 OCTOBER 2019 VOL. XXX NO. 10

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## BSU retains ISO Certification

BSU is still ISO 9001:2015 certified after a two-day follow up audit by TUVRheinland last October 23 and 24, 2019. The audit aimed to verify implementation of the established quality management system in conformance with the requirements of the standard, to identify opportunities for improvement to effectively implement the management system and to give recommendations for the maintenance of certificate. This was the first follow up audit since the University was certified on December 2018. BSU will have the re-certification audits in the next two years.

Eric Santos and Gogina Mendiola, TUVRheinland auditors, looked at how well BSU is providing tertiary education based on the ISO 9001:2015 standard, documented information, applicable statutory and regulatory requirements (CHED, DBM, COA) and other applicable requirements. Interviews of key personnel and process owners, observation of processes and verification of records were also done.

Being aware of the extra hard work and sacrifices of BSU faculty and staff towards the certification, President Feliciano G. Calora, Jr. asked for understanding and recognition that ISO is a part of the process for BSU to establish new standards and benchmarks.

"ISO is basically a tool for continuous improvement," he said.

BSU has 80 processes of core and support services certified on November 2018 after a pre-certification audit by Quality Plus on July 2018 and the Stage 2 certification audit on October 2018.

These processes are all in line with the University's quality policy which states, "BSU is continuously committed to improve its Quality Management System, satisfy requirements of relevant interested parties and provide excellent service for quality education and innovative research aligned with sustainable development and client satisfaction."

"Hopefully, as we go on and reach the three years, we will imbibe what ISO is and make it part of our everyday life and because it is already part of our everyday transactions, it will not actually be very difficult," said Dr. Aurea Marie M. Sandoval, director of the Office of the Quality Assurance and Accreditation Office.

Ms. Bernadette C. Bagto, University Registrar, attested that going through ISO 9001:2015 certification has standardized University forms and procedures. Bagto believes that the standardized forms and procedures will eventually make the work

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Mikhail L. Del Rosario

Karl Jon S. Pagada

Jennyline L. Sabado-Tabangcura

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First published in 1996, Shamag is one of the official publications of Benguet State University. It was named after the Ibaloi word for news. It is a medium for employees, clients, students and partners to disseminate their programs, achievements and advocacies. Shamag aims to help the University goals in developing proactive programs for quality service by developing effective and efficient innovative platforms for cascading information and strengthening public-private partnerships.

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# Benguet State University

## VISION

A PREMIER UNIVERSITY delivering world-class education that promotes sustainable development amidst climate change

## MISSION

To provide quality education to enhance food security, sustainable communities, industry innovation, climate resilience, gender equality, institutional development and partnerships

## CORE VALUES (SLIDES)

Student-centered

Leadership

Integrity

Diversity

Efficiency

Service

## GOALS AND OBJECTIVES

Goal I. To develop proactive programs to ensure relevant quality education

### Objectives:

1. To benchmark curricular and co-curricular programs with national and international standards
2. To develop alternative learning experiences to enhance skills that match industry needs
3. To develop innovative and relevant curricular and co-curricular programs
4. To enhance proactive student welfare and development programs

Goal II. To develop proactive programs for quality service

### Objectives:

1. To enhance relevant human resource development programs
2. To develop effective and efficient innovative platforms for cascading information
3. To enhance and develop employee welfare programs

Goal III. To enhance responsive systems and procedures for transparent institutional development

### Objectives:

1. To enhance and develop innovative financial management systems
2. To ensure transparency in all transactions in the university
3. To ensure inclusive and consultative decision making

Goal IV. To develop relevant and gender sensitive research and extension programs for institutional development, sustainable communities, climate resilience, industry innovation, and partnerships

### Objectives:

1. To develop relevant multimedia tools in disseminating technology, knowledge and information generated from RDE programs
2. To develop relevant RDE activities that will address current problems and support cultural advocacy
3. To partner with strategic local, regional, national and international entities

Goal V. To strengthen and expand public-private partnership

### Objectives:

1. Sustain and pursue functional University-relation with the alumni and other organizations both in the government and non-government entities
2. To strengthen the linkage among academe, industries, LGUs and community

*\*Board of Regents Approved Resolution #2494, s. 2016.*

Revised Quality Policy:  
Board Resolution #2736, s. 2018

"Benguet State University is continuously committed to improve its Quality Management System, satisfy requirements of relevant interested parties and provide excellent service for quality education and innovative research aligned with sustainable development and client satisfaction.."

## Talk to us!



74-422-2009 (Telefax, University and Board Secretary)  
074-422-2402 (Trunkline connecting all offices)  
074-422-2281 (Telefax, President's Office)



[president@bsu.edu.ph](mailto:president@bsu.edu.ph)

## BS Nursing marks history as first BSU degree program to attain Level IV Re-Accredited by AACCUP

Bachelor of Science in Nursing is the first University degree program to attain Level IV Re-accredited status by the Accrediting Agency for Chartered Colleges and Universities in the Philippines (AACCUP). In a letter dated October 5, 2019 by the AACCUP, BS Nursing is Level IV Re-Accredited from October 1, 2019 to September 30, 2023. This is the highest level in AACCUP accreditation.

According to Dr. Aurea Marie M. Sandoval, director of the Office of the Quality Assurance and Accreditation Office (OQAA), having this accreditation level means BS Nursing is at par with international standards. Meanwhile, Bachelor of Science in Agricultural and Biosystems Engineering achieved Level IV- Phase I accreditation.

"In Level IV-Phase I, this is where AACCUP will look over the benchmark statements that have been complied with areas one to ten in the AACCUP instrument. In Phase II, there will be five mandatory areas to prepare for which are research, extension, curriculum, planning and

development, and linkages. There are requirements that have to be satisfied in the five mandatory areas so that if all of these are met, then a degree program will be Level IV Re-Accredited already," explained Dr. Sandoval on the rigid process of reaching Level IV.

The AACCUP instrument evaluates ten areas. These are 1- mission, goals and objectives; 2- faculty; 3-curriculum and instruction; 4- students; 5- research; 6-extension and community involvement; 7- library; 8- physical Facilities; 9-laboratories; and 10-administration.//JST

## BSU researches best in 31st DA-BAR National Research Symposium

Two University research papers bagged the gold award for both the organic agriculture and socio-economic research category in the 31st DA-BAR National Research Symposium (NRS) held at the Bureau of Soils and Water Convention Hall, Diliman, Quezon City on October 16-17, 2019.

The research of Cheryll C. Launio, Kacy O. Labon, Alladin M. Bañez and Ruth S. Batani titled Analysis of using Biological Control and Biofertilizer in Philippine Highland Farming: Case of *Trichoderma koningii* won the gold award for socio-economic category.

Head researcher Cheryll C. Launio said she was only expecting to have the bronze or silver award since the other papers presented were also good.

"I think what made it stand out was that we were able to present the contributing evidence that there is an economic value of research specifically on the topic of biological control which is also a product of research," Launio said.

In their study, based on the calculated benefits and costs including Research and Development that promoted *Trichoderma koningii* from 2009 to 2018, *T. koningii* earned



Dr. Belinda A. Tad-awan poses with DA-BAR officials after she received the gold award for organic agriculture research in the 31st DA-BAR National Research Symposium on October 16-17, 2019, Quezon City.//Photo courtesy of DA-BAR

49% internal rate of return or Php. 4, 291, 728 net present value. The benefit-cost ratio is 3.42, which means that for every 1 peso cost invested, the society benefitted 3.42 pesos.

*Trichoderma koningii*, a biological control agent that has the function of facilitating organic compost, has been developed by the University and is being produced through the BSU Plant Health Clinic.

Also, they were able to find out that *Trichoderma koningii* is being used mostly by organic and Good Agricultural Practices producers specifically as biofungicide, soil nutrient and compost enhancer.

Meanwhile, the research

of Belinda A. Tad-awan, Hector C. Gayomba, Teresita D. Masangcay, Jasmin M. Chomawat, Wilner S. Mauting, Virginia A. Tapat and Magdalena T. Wanawan titled Increasing Productivity and Value Heirloom Rice Landraces in the Cordillera Highlands through Variety Evaluation and Organic Production Technologies was the first recipient of the gold award for the newly-added category in the conference-Organic Agriculture Research.

Out of 199 research paper entries down to 80 qualifiers, only 27 finalists have been selected to present in 31st National Research Symposium themed "Gearing up the Agri-

# IP Month Celebration at Benguet State University

October was declared as National Indigenous Peoples Month by virtue of Proclamation No. 1906 signed on October 5, 2009, by former President Gloria Macapagal-Arroyo.

To commemorate this, the BSU-Institute of Social Research and Development and the CAS-Social Sciences Department organized the culminating activity which featured student's performances that showcase Cordillera and lowland cultures. The activity was held at CAS Annex Quadrangle on October 16, 2019.





The activity attracted BSU employees and students alike. Faculty and staff from the academic and research sectors of the University were invited to evaluate the students' performances.

The activity also showcased native cuisines. Students competed in cooking and rice wine making.// *Photos by Dalos S. Emok*

## Scouts experience life as BSU and Benguet Province top officials for a day



Scout Officers for a Day (SOFAD) 2019 assigned to BSU take their oath of office on October 14, 2019 at the Gov. Ben Palispis Hall, Benguet Provincial Capitol.//JST

BSU welcomed 46 Scout Officers for a Day (SOFAD) on October 14, 2019 as an annual event by the Department of Education (DepEd). These scout officers “substituted” officials of participating agencies during that day.

The scouts began their day as officials at the Governor Ben Palispis Hall-Benguet Provincial Capitol when they attended the flag, turn-over and oath-taking ceremonies with the other 45 scouts who also substituted officials of LGU Benguet, Department of Interior and Local Government (DILG), National Commission on Indigenous Peoples (NCIP), National Irrigation Administration (NIA), Department of Public Works and Highways (DPWH), Department of Environment and Natural Resources (DENR) and Philippine National Police (PNP).

## Barton College professor shares expertise to local teacher-coaches



Dr. Timothy Dornemann, Director of Sports Performance and Assistant Professor of Exercise Science at Barton College, USA facilitated a workshop in the University to equip teacher-coaches.

This activity was initiated by Benguet State University-Institute of Human Kinetics who conducted the International Performance Sciences Athletic Development Series 2019 held on October 18-20 at the University gym. More than 80 participants from Schools Division of Benguet and BSU underwent the exhausting three-day workshop on warming up ,speed and agility. The training will continue on November 22-24, 2019.//DSEmok

Seven students from BSU-Secondary Laboratory School who also earned posts as SOFAD. They are Shalom Therese S. Dagwasi who substituted Benguet Board Member Hon. Juan M. Nazarro; Nena Ruschan G. Escalera substituted Board Member Hon. Ruben E. Paoad; Kurt Curvy A. De Guzman substituted Provincial Social Welfare and Development Coordinator Ms. Juana B. Bannawe; Aldizon Darence F. Dulay substituted BSU director for Center for Culture and the Arts Dr. Leonardo L. Samonte; Kimberly T. Pasian substituted director of the Office for Extension Services, Dr. Ruth S. Batani; Eduardo F. Ecijan III substituted College of Teacher Education Dean, Dr. Imelda G. Parcasio; and James Russel E. Ramiscal substituted College of Forestry Dean, Dr. Conrado C. Boa-idang.

“I realized that it’s an honor to sit as a member in the Sangguniang Panlalawigan. Being a member means you get to see the real issues of the province of Benguet. As SOFAD, we saw the importance of being a board member and that is to keep on creating solutions for simple or hard problems to improve the province,” said Escalera. Dagwasi on the other hand stated, “I realized that to be a Sangguniang Panlalawigan member, I need to be a good leader full of determination to give what is best for everybody. I must give everything even if only a little will come back.”

The scouts also noticed that being a public official is a challenging job.

“Being a BSU president is not easy and the president and all officials here work so hard,” said Scout Liezel Mae P. Sabado from La Trinidad National High School who substituted Dr. Feliciano G. Calora Jr. She added that she would convince students to enrol in BSU by giving them a tour around the campus and showing them videos of graduates being

## Etag granules, cubes and liquid seasoning show commercialization promise

Etag is a native delicacy in the Cordillera Administrative Region (CAR) made of pork cured in salt and then sun-dried or smoked. The flavor of this delicacy may soon be enjoyed in the form of granules, cubes and liquid seasoning. These etag-based convenience-type products were developed after a series of experiments, tests and adjustments at the Benguet State University-College of Home Economics and Technology (BSU-CHET) as part of a research that also aims to develop a standard quality assurance protocol for etag raw materials. This is also in support to the etag production and native pigs industry of the region.

"The products are made of native pork processed in its pure form through dehydration, concentration and reduction," explained Cynthia Garambas of BSU-CHET who led the research. She added that the advantage of using pork from native Cordillera pigs is its quality of marbling or the good balance of lean meat and fat.

The etag granules, cubes and liquid seasoning were subjected to consumer acceptability and chemical analysis. Their cost of production and pricing were also established. The acceptability of the products were evaluated according to their quality specifically the color, aroma, texture and taste. Results showed that the average acceptability of the products among local consumers is 'like moderately.'

"Sensory evaluation for the acceptability of the products was extended to the non-local consumers in order to gain insight on the market potential of the products outside Cordillera. It was noted that all the etag variants when developed into etag cubes and granules are acceptable to non-local evaluators. As to the developed liquid seasoning, it was found out that the cold-smoked and sun-dried variants are not acceptable to the non-local evaluators due to the intense smoky flavor and the concentration of salt in the sun-dried variant," Garambas said.

The etag research also looked into the production cost and pricing of the products. The determined selling price costs Php 5.60 for one etag cube, Php 9.22 for a pack of etag granules and Php 45.07 for a 50 ml bottle of etag liquid seasoning. According to Garambas, an etag recipe book is underway and it contains dishes where the convenience-type products could be used such as in stews and soups.

The research conducted by Garambas, Sherilyn B. Balauro, Rolando M. Tawanna Jr., May Crisline V. Gumihid and Charity Joy P. Dulnuan was funded

**Etag...page 8**



## 16<sup>th</sup> Regional Philosophy Conference held at BSU



The Philosophical Association of Northern Luzon (PANL) in partnership with the University launched its 16th Regional Philosophy Conference with the theme, "Philosophy, Indigenous Cultures and Earth Studies" from October 18-20, 2019 at the NPRCRTC Conference Hall. Different Higher Education Institutions within Northern Luzon participated.//KSPagada

## CHET students sweep awards in 15<sup>th</sup> Hotel, Restaurant and Tourism Weekend



Students of Bachelor of Science in Hospitality Management/Hotel and Restaurant Management brought honor to the University by winning 10 awards during the 15<sup>th</sup> Hotel, Restaurant and Tourism Weekend on October 10-12, 2019 at the Baguio Country Club. The winning students are: Niko A. Laza, silver in napkin folding; Carlo J. Madarang, bronze in flairtending; Joshua Abitria, bronze in cocktail mixing; Maritess Dangatan, bronze in floral bouquet; Sheena Mae C. Aniban, bronze in floral centerpiece design; Cara A. Bentres, John Loyd Tinong and Jenny Valenciano, diploma in Klasika Kordilyera Kulinarya; Xyxr Catama and Eva Jane Valdez, diploma in plated dessert; Joyce Apat, Beverly Joy Velasco and Jessa Mae Mariano, diploma in table set-up; Buddy Shane Pacuya, Maria Lyn K. Aritao and Beverly Joy B. Velasco won a diploma in quiz bee; and Lourine Melad, Jhelicar Tultog, Ronalyn Etrata, Gerry Manaois and Christendon A. Martib, diploma in events management. The Hotel, Restaurant and Tourism Weekend is an annual event organized by the Hotel and Restaurant Association of Baguio (HRAB). The events comprised of various competitions and activities that aims to help promote Baguio City and the Cordillera as a food and travel destination. The students presented their awards to BSU President, Dr. Feliciano G. Calora, Jr. on October 14 during the flag raising ceremony.// DSEmok

### BSU retains...from page 1

of the University Registrar's Office easier once the stakeholders will get used to them. The BSU Registrar is one of the process owners of the admission, enrollment, graduation and records management processes.

ISO 9001:2015 is the international standard specifying what a quality management system (QMS) is. The standard is used by organizations to show consistency in providing products and services that meet customer and regulatory requirements. It is the most popular standard in the ISO 9000 series and the only standard in the series to which organizations can be certified. ISO 9001 was first published in 1987 by the International Organization for Standardization (ISO), an agency of more than 160 countries. The present version of ISO 9001 was published in September 2015.

BSU began efforts for certification as early as 2010 when Dr. Calora was then director of the Planning and Development Office. // JSTabangcura

### BSU Researches...from page 3

Fisheries Sector through Holistic R&D towards Regenerative Development".

DA-BAR Director Dr. Nicomedes P. Eleazar stressed during the awarding ceremony that this year's national research symposium gives

emphasis on research that are aimed toward a sustainable, modernized and regenerative future for the Philippine agricultural sector.

The NRS is an annual event to recognize Filipino Scientists and Researchers from DA staffs bureau, attached agencies, state universities and colleges and others government agencies conducting research in the field of agriculture and fisheries.// DSEmok

### SOFAD...from page 6

interviewed to make them see how exciting it is to study in BSU.

"There are many tasks to be done and problems to be solved but it is also great and fun," commented Scout Dylan Mae Endi of Bangao National High School who substituted Atty. Arnold Lampacan as BSU Executive Assistant. Endi described that to be an Executive Assistant, one must be trustworthy and a good decision-maker.

The scouts shared that to be qualified for the SOFAD program, they had to be active in scouting and earn a number of badges. After being qualified, the scouts were trained on leadership and parliamentary proceedings by DepEd. They were later ranked based on the evaluation results of the training.//JSTabangcura

### Etag...from page 7

by the Philippine Council for Agriculture, Aquatic and Natural Resources Research and Development (PCAARRD) and Benguet State University.

BSU has been conducting researches for the commercialization of etag with the general aim to standardize etag production and processing. The PCAARRD-BSU R&D project in 2015 titled "Value Adding of Cordillera Pork-Based Ethnic Food Delicacy (Etag) for Commercialization" has generated technologies that led to the production of food safety compliant etag and optimized the process of making three etag variants namely hot-smoked, cold-smoked and sun-dried.

"Cordillerans serve etag and other ethnic food to guests as they take pride in showing their customs, dances, music and other crafts to local and foreign tourists in the region. In 2007, during the first Ethnic Food Fair in La Trinidad, etag and other pork-based delicacies were among the popular exhibits. Inclusion of these pork-based delicacies in the menu of high-end restaurants that cater to tourists highlights the market potential of these native food products," said Balauro.//JSTabangcura