



Republic of the Philippines
Department of Education
REGION XI
SCHOOLS DIVISION OF DIGOS CITY

OFFICE OF THE SCHOOLS DIVISION SUPERINTENDENT

DIVISION MEMORANDUM

CID-2025- 47

To : Assistant Schools Division Superintendent
CID & SGOD Chiefs
Concerned Public Schools District Supervisors
Concerned Education Program Supervisors
Concerned Public and Private School Heads
All Others Concerned

Subject : **INFORMATION DISSEMINATION ON "DAVAO SCIENCE BEATS"
PUBLICATION**

Date : September 17, 2025

This is to invite your attention to the attached publication from the Department of Science and Technology (DOST) XI titled "**DAVAO SCIENCE BEATS**". The publication highlights the latest developments in science and technology in Davao, which may be of interest to your schools, faculty, and students.

Please take note of the content for your information and further dissemination within your respective stations.

Relevant details and other information are contained in the enclosures for guidance and reference.

For information and dissemination.

Melanie P. Estacio
MELANIE P. ESTACIO, PhD, CESO VI
Schools Division Superintendent

JepEd Schools Division of Digos City
RECORDS SECTION

RELEASED
25-90704

Enclosed: As stated.
CID/ifs

DATE: SEP 19 2025 TIME: 3:24 P
BY: *[Signature]*



Republic of the Philippines
Department of Education
 DAVAO REGION



1st Indorsement
 August 5, 2025

Respectfully referred to all Schools Division Superintendents, inviting attention to the attached publication from the Department of Science and Technology (DOST) XI titled "DAVAO SCIENCE BEATS", for information.

ALLAN G. FARNAZO
 Director IV

DEPARTMENT OF EDUCATION
 RECORDS SECTION
RELEASED

By: *[Signature]* Date: *Aug. 07, 2025*
 2007/

Enclosed: As stated
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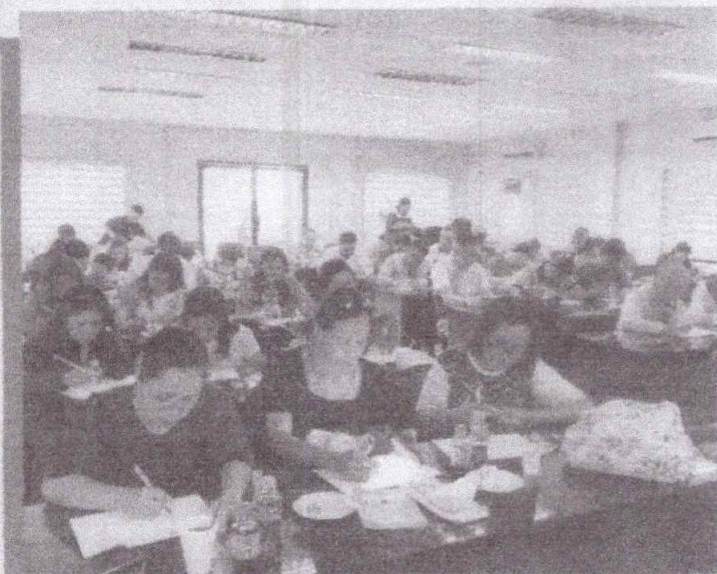
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DAVAO SCIENCE BEATS

HIGHLIGHTS IN S&T FROM THE DAVAO REGION

HEALTH & EDUCATION



Participants from various schools in Davao del Norte engage in a food safety training session aimed at enhancing the quality and safety of meals served through the School-Based Feeding Program.

Food Safety Training Boosts School Nutrition Across Davao del Norte

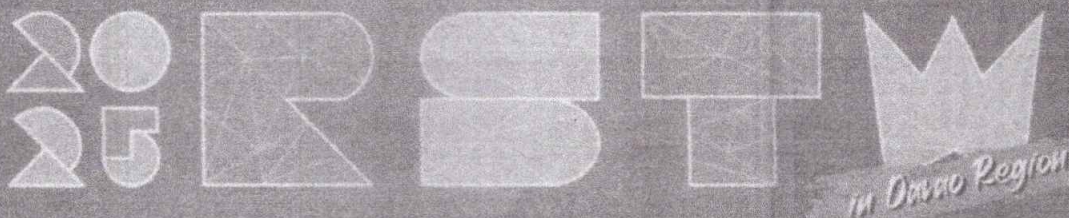
Food safety is now a stronger priority in Davao del Norte's schools, thanks to a province-wide campaign led by DOST XI – PSTO Davao del Norte and the Department of Education – Division of Davao del Norte.

Held in eight batches, the training equipped school food handlers and educators across 11 districts with essential hygiene practices and hazard prevention strategies, directly supporting healthy school-based feeding programs.

The initiative reinforces public health at the grassroots and promotes a culture of care and science-based action in education.

UPCOMING EVENT

SIYENSYA, TEKNOLOHIYA, AT INOBASYON
KABALIKAT SA MATATAG, MAGINHAWA, AT PANATAG NA KINABUKASAN



BUILDING SMART AND SUSTAINABLE COMMUNITIES

You're invited to RSTW 2025!

Join us for the Regional Science and Technology Innovation Week (RSTW) 2025 on
September 25-27 at Ayala Malls Abreeza, Davao City!

Discover exciting local innovations, join interactive science activities, and be inspired by
talks and exhibits that show how science empowers communities.

Everyone's welcome don't miss this three-day celebration of science, technology, and
innovation!

Stay connected with DOST XI:
Search "DOST XI" on Facebook or
scan the QR code



DOST XI

Excited for RSTW 2025?
Scan the QR code to explore what's
coming!



RSTW 2025



MESSAGE FROM THE DIRECTOR

Dear Readers,

Thank you for taking the time to read this issue of Davao Science Beats. It is through this publication that we are able to offer a glimpse into the ongoing work of DOST XI, along with the efforts of our Provincial and City Science and Technology Offices.

The articles featured here reflect a range of initiatives that continue to quietly shape communities—from enhancing education and supporting local enterprises to building resilience and promoting innovation. These are steady, collective efforts grounded in our goal of making science more accessible and meaningful at the local level.

We hope this issue has provided insight into the progress being made across the region. Thank you for staying connected with us, and we look forward to bringing you more updates in the next issue.

DR. ANTHONY C. SALES, PFT, CESO III
DOST Region XI Regional Director

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DAVAO SCIENCE BEATS

HIGHLIGHTS IN S&T FROM THE DAVAO REGION

MONDAY

ISSUE NO. 2 | JUNE 30

Thank you for joining us for the latest issue of Davao Science Beats. In this edition, we provide updates on recent research, local scientific events, and developments from the Davao area. Our aim is to offer a straightforward look at the science community's activities and progress. We hope you find the information helpful and informative as we continue to cover the scientific landscape in Davao.

INNOVATION SPOTLIGHT

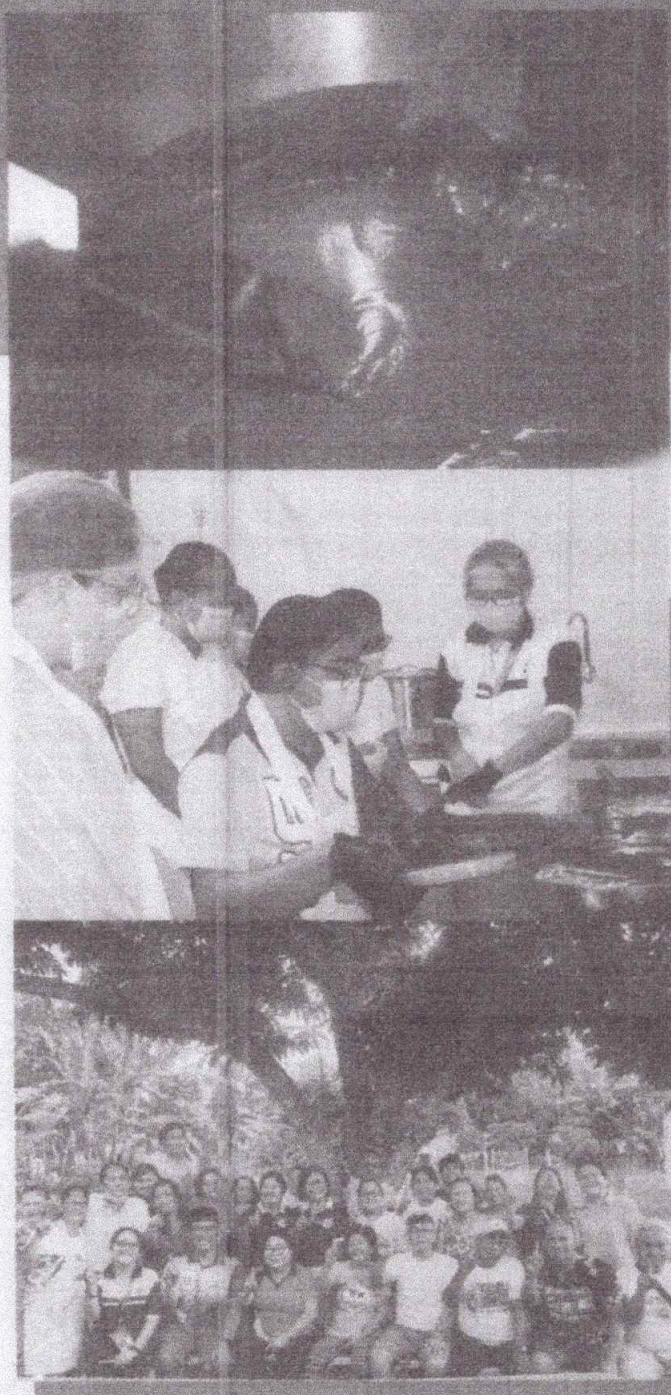
Chocolate Training Transforms Santa Maria's Cacao Potential

Santa Maria, Davao Occidental – Members of the Southern Davao Multi-Purpose Cooperative (SDMC) received hands-on training in bean-to-bar chocolate making, led by DOST XI – PSTO Davao Occidental under the CEST Program on June 10–17, 2025.

Facilitated by food science expert Jan Irv Bitoon of Davao del Sur State College, the training covered fermentation, drying, roasting, and tempering essential steps for producing high-quality chocolate.

"Tempering gives chocolate its shine, snap, and stability," Bitoon explained.

Participants, including women, youth, and farmers, gained practical skills to improve product quality and explore new livelihood opportunities. The initiative supports Santa Maria's goal of becoming a local hub for value-added cacao products.



Top: Participants mixes melted chocolate during the hands-on training. Bottom: Group photo of trainees and facilitators in Santa Maria, Davao Occidental.

DAVAO SCIENCE BEATS

HIGHLIGHTS IN S&T FROM THE DAVAO REGION



DOST XI and DSSC teams after a meeting on the Smart Solar Dryer project to improve fish processing in Digos.

Smart Solar Drying to Boost Digos Fish Processing

Digos City, Davao del Sur – The DOST XI – PSTO Davao del Sur, in partnership with Davao del Sur State College (DSSC), is developing a Smart Solar Dryer to modernize local fish drying methods. The dryer will automate temperature, humidity, and moisture tracking with smartphone access, helping improve product quality and reduce losses.

“Science can modernize local practices and uplift communities,” said PSTO Director Leslie Pearl M. Cancio-Dy.

The project is part of DOST’s Smart and Sustainable Communities Program.

COMMUNITY EMPOWERMENT

Empowering Bangsamoro Women through Science and Enterprise

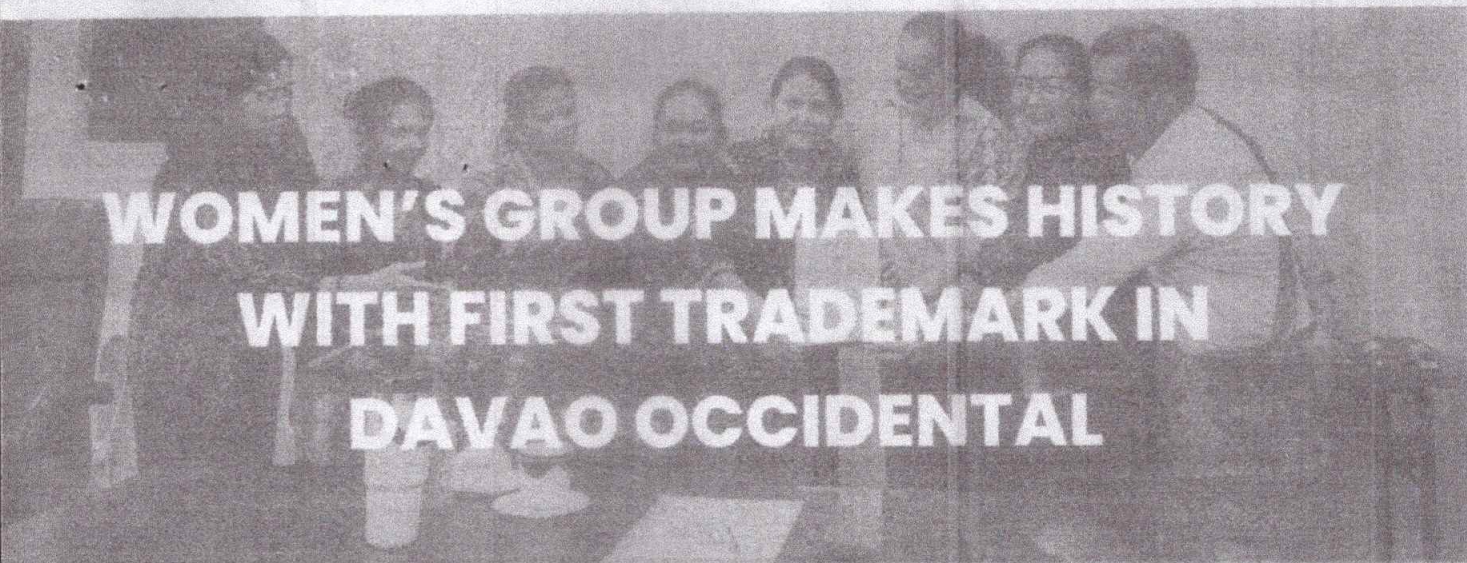
In Pantukan, Davao de Oro, members of the Reticil Garden Processed Food Production Association, mostly Bangsamoro women, completed training in food safety, Good Manufacturing Practices (GMP), and product labeling.

The initiative was led by DOST XI – PSTO Davao de Oro under the Community Empowerment through Science and Technology (CEST) Program, in partnership with MP Hussein Muñoz’s Suporta at Tulong Pang Ekonomiya Project.

The training aimed to boost the women’s enterprise skills, support cultural identity, and promote inclusive economic growth for Bangsamoro communities outside BARMM.



Bangsamoro women in Pantukan, Davao de Oro receive food processing materials during a DOST XI-led training on food safety and labeling.



WOMEN'S GROUP MAKES HISTORY WITH FIRST TRADEMARK IN DAVAO OCCIDENTAL

The Datu Danwata Women's Association (DDWA), a pioneer member of the Women's Association of Malita (WAM), has made history as the first women's group in Davao Occidental to officially register a trademark with the Intellectual Property Office of the Philippines (IPOPHL).

With support from the Department of Science and Technology (DOST) XI through its Regional Women's Economic Empowerment (RWEE) Project, the group successfully secured legal recognition for their brand, which showcases locally made Tagakulo products rooted in Indigenous knowledge and culture.

The awarding ceremony brought together key partners including LGU Malita, NCIP Davao Occidental, and DOST representatives to celebrate the milestone. DDWA leaders President Bai Lolita D. Labi and Vice President Bai Imelda Licardo expressed their gratitude for the guidance and support throughout the process.

"This achievement highlights how science and innovation can empower Indigenous women to own and protect what they create," said PSTO Director Maria Victoria Dado.

Beyond legal protection, the registered trademark boosts brand identity and market trust, enabling DDWA to expand their enterprise while preserving cultural heritage. The initiative reinforces DOST XI's commitment to inclusive development by supporting grassroots women entrepreneurs in building resilient and sustainable livelihoods.



Members of the Datu Danwata Women's Association proudly pose after receiving their official trademark registration—marking a historic first for a women's group in Davao Occidental.

DAVAO SCIENCE BEATS

HIGHLIGHTS IN S&T FROM THE DAVAO REGION

SAFETY AND PREPAREDNESS



A technical personnel from PHIVOLCS installs a tsunami alerting siren in Caraga, Davao Oriental, part of DOST XI's initiative to strengthen early warning systems in coastal communities.

Manay Coastal Communities Strengthen Tsunami Preparedness

Manay, Davao Oriental – The DOST XI – PSTO Davao Oriental, in partnership with PHIVOLCS, conducted a Tsunami Preparedness Campaign and Workshop on June 13, 2025, in Barangay Central.

The activity marked the integration of the 92nd Community Tsunami Alerting Station (CTAS), enhancing early warning systems for coastal barangays including Central, Zaragoza, San Ignacio, and Holy Cross. The event gathered 44 participants and was supported by the Municipal Government of Manay.

Additional maintenance efforts in Tarragona, Caraga, and Boston ensured that alert systems remain fully operational. The project is part of the CEST Program, helping high-risk communities stay informed and resilient.



Top: PHIVOLCS representatives with Barangay officials of Caraga, Davao Oriental. Bottom: A personnel installs a Tsunami Alerting System signage as part of the community's preparedness efforts.