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HASANUDDIN UNIVERSITY'S FACULTY OF MARINE SCIENCE AND FISHERIES DISCUSSES COLD CHAIN DEVELOPMENT WITH SAKIGAKE JAPAN



The Faculty of Marine Science and Fisheries at Hasanuddin University (UNHAS) met with SAKIGAKE Japan on August 19, 2026, to explore opportunities for developing cold chain systems to support fisheries in island communities. Held in the Dean's Meeting Room, the discussion focused on the Spermonde Islands and the infrastructure, technologies, and operational approaches needed to improve the handling and distribution of fisheries products across the archipelagic region.

The meeting was attended by Prof. Dr. Mahatma Lanuru, S.T., M.Sc., Dean of the Faculty of Marine Science and Fisheries; Prof. Dr. Mukti Zainuddin, S.Pi., M.Sc., Vice Dean for Partnerships, Research, Innovation, and Alumni; Dr. Syahrul, S.Pi., M.Si., Head of the Fisheries Product Technology Study Program; and faculty representatives responsible for partnership affairs.

Cold chain infrastructure is particularly important for island communities, where distance, transportation constraints, and limited storage facilities can affect product quality and market access. More effective preservation and distribution systems could help reduce post-harvest losses while allowing fishing communities to retain more of the economic value of their catch.

The discussion opens possibilities for broader cooperation in developing technologies and systems adapted to the geographic conditions of the Spermonde Islands. By connecting international expertise with locally identified needs, the initiative could support more efficient fisheries value chains, reduce product losses, strengthen coastal livelihoods, and encourage more responsible use of marine resources.



FROM SPONGES TO SHARKS: HASANUDDIN UNIVERSITY EXPLORES HIDDEN LINKS IN MARINE FOOD WEBS



Hasanuddin University (UNHAS) hosted an international visiting lecture featuring Emma Novak from the School of Biological Sciences at Victoria University of Wellington, New Zealand, on August 10, 2026. Organized by the Department of Marine Science, Faculty of Marine Science and Fisheries, the lecture examined the ecological role of sponges in marine food webs and their contribution to the movement of nutrients and energy through ocean ecosystems.

Held in Meeting Room B of the Department of Marine Science, the lecture was titled “From Sponges to Sharks? The Trophic Contribution of Sponges.” The event was officially opened by Prof. Dr. Mukti Zainuddin, S.Pi., M.Si., Vice Dean for Partnerships, Research, Innovation, and Alumni, and attended by undergraduate and master’s students in Marine Science.

Novak discussed how marine sponges function within food-web processes. Although widely known as filter feeders, sponges also contribute to the recycling and transfer of organic matter and nutrients, potentially making resources available to organisms at higher trophic levels.

A central concept was the sponge loop, through which dissolved organic matter can be recycled within marine ecosystems rather than lost from the food web.

uring the interactive discussion, students raised questions about sponge ecology, trophic interactions, and potential directions for future marine research. The session offered direct exposure to current international scientific thinking and encouraged students to connect fundamental ecological concepts with broader questions about marine ecosystem function.

Beyond introducing students to an emerging area of marine ecology, the lecture demonstrated the value of connecting classroom learning with active international research. A stronger understanding of how nutrients and energy move through marine ecosystems provides an important scientific basis for interpreting ecosystem change and informing the long-term stewardship of ocean biodiversity.



HASANUDDIN UNIVERSITY SENDS 14 STUDENTS TO NANCHANG UNIVERSITY FOR 2+2 JOINT DEGREE PROGRAM



Hasanuddin University (UNHAS) held a departure ceremony on August 21, 2026, for 14 students from the 2024 cohort of the Chinese Language and Chinese Culture Study Program, Faculty of Cultural Sciences, who will continue their studies at Nanchang University, China, through the 2026 2+2 Joint Degree Scholarship Program.

The ceremony took place at Prof. Mattulada Hall, Faculty of Cultural Sciences, UNHAS.

Under the 2+2 program, students complete part of their undergraduate education at UNHAS before continuing their studies at Nanchang University. Beyond academic coursework, the program offers participants an opportunity to strengthen their Chinese-language proficiency, develop intercultural competence, and experience a different academic environment.

The departure of the 14 students reflects UNHAS' continuing effort to make international learning a more integral part of the student experience. It also demonstrates how sustained university partnerships can create concrete pathways for student mobility, academic recognition, and cross-cultural learning.

Through programs of this kind, institutional cooperation between Indonesia and China is translated into opportunities that directly benefit students while preparing graduates to work, communicate, and collaborate across cultures in an increasingly interconnected academic and professional environment.



HASANUDDIN UNIVERSITY AND HARTFORD INTERNATIONAL UNIVERSITY STRENGTHEN COLLABORATION IN PEACE AND INTERRELIGIOUS STUDIES



Hasanuddin University (UNHAS) and Hartford International University for Religion and Peace in the United States have strengthened their academic partnership through the signing of a memorandum of understanding in Jakarta. The collaboration focuses on peace and interreligious studies and is expected to open new opportunities for joint research, academic exchange, teaching, and scholarly dialogue.

Under the agreement, the two universities will explore cooperation in areas of mutual academic interest, including joint research, the exchange of instructional materials, student and faculty mobility, and the organization of seminars, workshops, conferences, and other academic forums.

UNHAS Rector Prof. Dr. Ir. Jamaluddin Jompa, M.Sc., emphasized the value of bringing different experiences and perspectives together to address complex global challenges.

“This collaboration strengthens the relationship between the two institutions, particularly in research and education, and we hope it will generate knowledge and ideas that have a meaningful impact on society,” he said.

The partnership also creates space for Indonesian perspectives, particularly the social and cultural experiences of South Sulawesi, to contribute to international conversations on religion, reconciliation, and peacebuilding. Prof. Jamaluddin introduced the Bugis-Makassar principles of Sipakatau, Sipakainge, and Sipakalebbi, which emphasize human dignity, mutual responsibility, and respect for others.

These locally rooted values offer a perspective on how communities can maintain trust, navigate differences, and sustain relationships within diverse societies.

Hartford International University contributes extensive experience in interreligious studies, peacebuilding, and the study of religion in plural societies. Through collaborative research, classes, academic mobility, and scholarly forums, the partnership can connect this expertise with UNHAS' experience and knowledge from Indonesia.

Moving forward, the two institutions aim to translate the agreement into concrete academic activities, including collaborative research, student and faculty exchanges, joint publications, and scholarly programs. More importantly, the partnership creates a sustained academic space where differences can be examined through dialogue, mutual respect, and evidence-based scholarship—an increasingly important contribution in societies shaped by religious, cultural, and political diversity.



HASANUDDIN UNIVERSITY STRENGTHENS INDONESIA-TIMOR-LESTE TIES THROUGH NEW STUDENT INTAKE



Hasanuddin University (UNHAS) welcomed a new group of students from Timor-Leste for the 2026 academic year during a reception held on August 19, 2026, in the Senate Room of the UNHAS Rectorate Building. The event marked the beginning of the students' academic journey at UNHAS while highlighting the longstanding connections between Indonesia and Timor-Leste.

Representing the Graduate School, Prof. Dr. dr. Marhaen Hardjo, M.Biomed., Ph.D., Vice Dean for Partnerships, Research, Innovation, and Alumni, welcomed the students and emphasized the role of higher education in strengthening people-to-people relations between the two countries.

He noted that Indonesia and Timor-Leste are connected not only geographically, but also through historical experiences and longstanding social ties.

"Students from Timor-Leste who come to Makassar are not only here to pursue their education, but also to build connections between communities that can serve as a bridge to strengthen relations between Indonesia and Timor-Leste," he said

Prof. Marhaen, who is also a professor at the Faculty of Medicine, highlighted cultural similarities between Timor-Leste and several regions of Indonesia, including South Sulawesi, which may help students adapt to academic and social life at UNHAS.

He encouraged them to make full use of their time at the university, broaden their academic and professional networks, and eventually apply the knowledge and experience gained at UNHAS to the development of their home country.

The students' arrival illustrates how international education can extend beyond individual academic achievement. By studying and building networks in Makassar, they become part of a wider exchange of knowledge, experience, and relationships that can strengthen long-term cooperation between neighboring countries.



FROM ANCIENT DOMESTICATION TO MODERN BREEDING: HASANUDDIN UNIVERSITY AND TU WIEN EXPLORE THE FUTURE OF CROPS



Hasanuddin University (UNHAS) hosted a public lecture featuring Dr. rer. nat. Christian Haselmair-Gosch from TU Wien, Austria, on August 19, 2026, as part of an ongoing academic collaboration supported by ASEA-UNINET.

Organized by the Agricultural Engineering Study Program, Faculty of Agricultural Technology, the lecture was held at Lecture Theater 6, Faculty of Agriculture, and brought together students and academics to examine the evolution of food crops and advances in modern plant breeding.

Under the theme "Crop Evolution – From Hunter-Gatherers to New Breeding Techniques," Dr. Haselmair-Gosch traced the relationship between humans and plants from early domestication and selective cultivation to contemporary breeding technologies.

The discussion highlighted how advances in genetics and biotechnology are enabling researchers to develop crop traits with greater precision in response to emerging agricultural challenges, including the need for productive, adaptable, and resilient food crops.

The lecture also featured Dr. Muhammad Fuad Anshori, S.P., M.Si., from the Agrotechnology Study Program, Faculty of Agriculture, UNHAS, who presented “Rice Breeding and Genetic Improvement in Resilience to Climate Change.” His presentation added an Indonesian perspective by examining efforts to improve rice varieties through genetics and breeding in response to increasing climate pressures on agricultural production.

Students and members of the academic community gained insight into the links among plant evolution, genetics, breeding technologies, and the future of agriculture. The lecture also gave participants an opportunity to engage directly with international research perspectives.

The event formed part of Dr. Haselmair-Gosch’s visiting research program at UNHAS from August 8–20, 2026, which also included a joint research seminar with the academic community of the Faculty of Agricultural Technology.

By connecting the long history of crop domestication with contemporary breeding science, the program highlighted how agricultural research continues to evolve in response to climate stress, food demand, and changing environmental conditions. The collaboration with TU Wien gives students and researchers a broader scientific context for developing crop systems that are not only more productive, but also better able to withstand future uncertainty.



HASANUDDIN UNIVERSITY RESEARCHER DR. FEBRUADI BASTIAN ADVANCES COLLABORATIVE RESEARCH WITH TU WIEN IN AUSTRIA



Hasanuddin University (UNHAS) continued its research collaboration with Technische Universität Wien (TU Wien), Austria, through a visiting research program undertaken by Dr. Februadi Bastian of the Faculty of Agricultural Technology from July 11 to August 4, 2026.

Conducted at the Institute of Chemical, Environmental and Bioscience Engineering, Faculty of Technical Chemistry, TU Wien, the research focused on developing natural pigments as more sustainable alternatives for textile applications.

During the program, Dr. Bastian investigated the extraction of anthocyanins from butterfly pea flowers (*Clitoria ternatea*) for potential use as natural textile dyes. The pigments responsible for the flowers' distinctive color offer potential as renewable alternatives to synthetic dyes.

The research examined both anthocyanin extraction and the optimization of spray-drying conditions to produce a stable natural dye powder with high yield and greater potential for practical application.

The experiments identified optimized conditions for extraction and spray-dryer operation, contributing to the development of more efficient natural-pigment production processes based on biological resources. The work builds on the continuing UNHAS-TU Wien research partnership in natural pigments and sustainable materials.

Dr. Bastian's visit is also part of a broader pattern of researcher mobility between the two institutions. Previous researchers from the Faculty of Agricultural Technology, including Dr. Olly Sanny Hutabarat, Dr. Gemala Hardinasinta, and Febriana Intan Permata Hati, M.Sc., have undertaken research activities at TU Wien through the same collaborative framework.

The research illustrates how international mobility can contribute directly to technological development. By exploring renewable biological materials and improving processing efficiency, the collaboration links laboratory research with the broader need for cleaner production methods and more responsible use of natural resources, while building research capacity across both institutions.



HASANUDDIN UNIVERSITY EXPLORES SEAWEED RESEARCH COLLABORATION WITH SEA6 ENERGY INDIA



Hasanuddin University (UNHAS) explored opportunities for research and innovation collaboration with Sea6 Energy, India, during a meeting facilitated by the Directorate of Innovation and Intellectual Property on August 18, 2026.

Held in Meeting Room A on the seventh floor of the UNHAS Rectorate Building, the discussion brought together UNHAS seaweed researchers and representatives of Sea6 Energy to identify potential areas for future cooperation.

The meeting focused on opportunities to advance seaweed research and utilization through closer collaboration between academia and industry. Connecting university researchers with an international company operating in the seaweed sector could provide pathways for translating scientific findings into technologies, products, and applications with greater economic and environmental value.

Potential areas of cooperation include joint research, scientific and technical knowledge exchange, technology development, and approaches to the sustainable use of marine biological resources.

For Indonesia, where seaweed already supports significant coastal economic activity, stronger links between research and industry could help improve how scientific knowledge is translated into practical applications. Future cooperation with Sea6 Energy could therefore provide a platform for technological development while encouraging approaches that create value from marine resources without losing sight of ecological sustainability and the needs of coastal communities.



BUILDING THE FUTURE OF HEALTHCARE IN ASIA: UNHAS STUDENTS WIN FIRST PLACE AT AI × MEDTECH ASIA INNOVATION CHALLENGE IN JAPAN



Three Hasanuddin University (UNHAS) students earned first place at the AI × MedTech Asia Innovation Challenge 2026, held at Fujita Health University (FHU) in Aichi, Japan, from July 27 to August 5, 2026.

The UNHAS delegation consisted of Nursyafira Zahra from the Faculty of Nursing, Andi Regina Putri from the Faculty of Dentistry, and Amar Rafii Ansariadi from the Faculty of Engineering.

The international program brought together undergraduate, master's, and doctoral students from universities across Asia to develop healthcare solutions using artificial intelligence, medical technology, and design thinking.

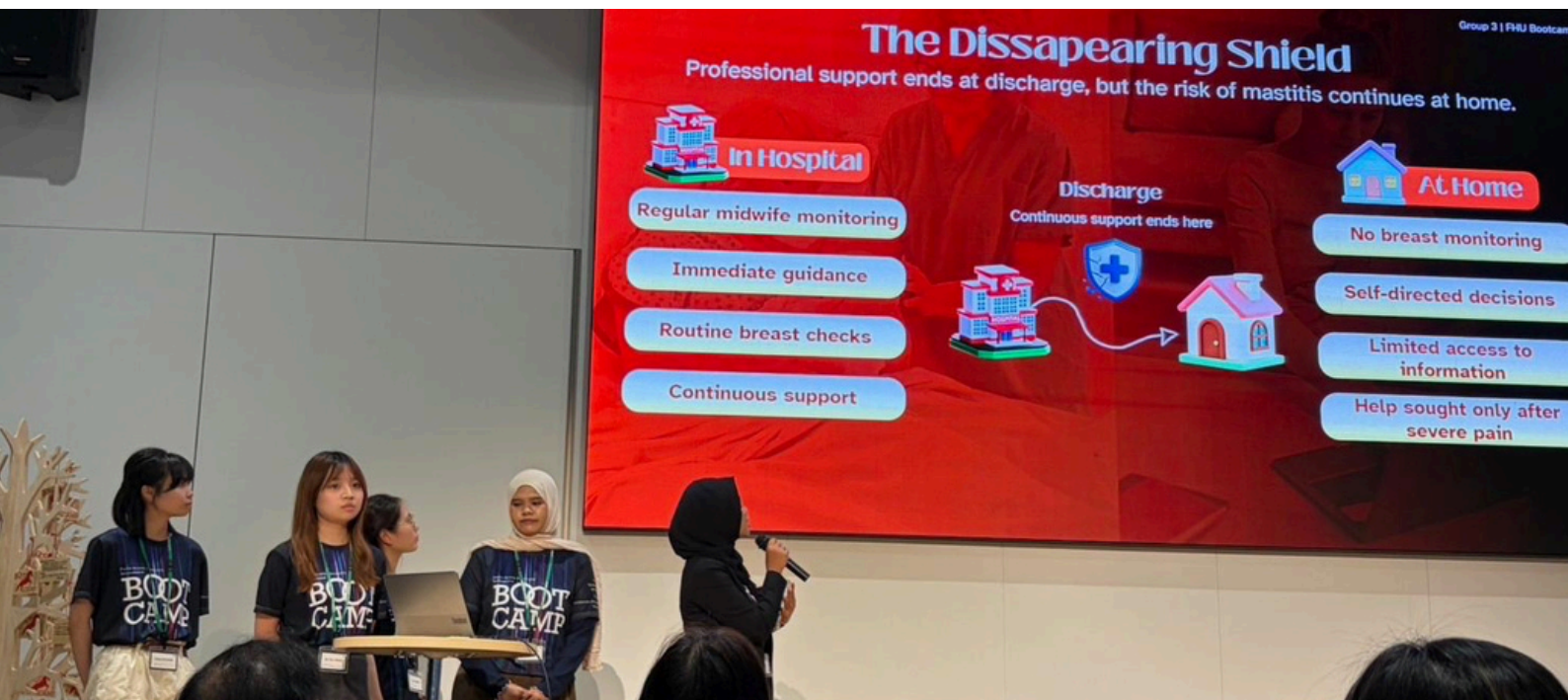
During the 10-day boot camp, the UNHAS students collaborated with postgraduate students from different countries through expert lectures, design-thinking workshops, hospital observations, interviews with healthcare professionals and patients at Fujita Health University Hospital, mentoring sessions, and prototype development.

Participants also learned from international experts including Prof. Michael Snyder of Stanford University, Dr. Michael Florea of Harvard University and Olden Labs, Prof. Ronjon Nag of Stanford University, and Prof. Qian Zhang of the Hong Kong University of Science and Technology.

At the final pitching session, the UNHAS team presented FemLink, a healthcare innovation prototype designed to support the early detection of mastitis among breastfeeding mothers. The project received the Bootcamp Winner's Prize (1st Place), the highest award presented at the AI × MedTech Asia Innovation Challenge 2026.

The achievement demonstrated the students' ability to combine knowledge from nursing, dentistry, and engineering to address a practical healthcare challenge through technology and interdisciplinary collaboration.

The significance of the achievement extends beyond the competition result. By designing around an identifiable maternal-health need and testing ideas in a clinical environment, the students were exposed to an innovation process in which technology is shaped by the people it is intended to serve. Their experience demonstrates how interdisciplinary education and international collaboration can help young innovators develop healthcare solutions that are more responsive, accessible, and relevant to real-world needs.



HASANUDDIN UNIVERSITY AND UNIVERSITY OF NEWCASTLE ADVANCE CLIMATE-RESILIENT SMART FARMING THROUGH HARVESTING THE FUTURE 2026



Hasanuddin University (UNHAS), in collaboration with the University of Newcastle (UoN), Australia, and the Sidenreng Rappang (Sidrap) Regency Government, implemented Harvesting the Future 2026: Smart Farming for Climate Resilience, an international program designed to strengthen climate-resilient agriculture through digital technologies, data-informed farming, and farmer capacity building.

Supported by the Australian Government through the Australia-Indonesia Institute (AII), the program brought together academics, government representatives, agricultural professionals, students, farmers, and extension officers through a series of activities held in Makassar and Sidrap in August 2026.

The program began with the International Seminar on Smart Farming for Climate Resilience at the Arsjad Rasjid Lecture Theatre, UNHAS, on August 3. Approximately 130 participants attended in person, while around 250 joined online.

Speakers included Prof. Hasil Sembiring; Associate Professor Lisa Lobry de Bruyn; Australian Consul-General in Makassar Todd Dias; Prof. Dr. Ir. Aris Pramudia, M.Si., from Indonesia's National Research and Innovation Agency (BRIN); and Prof. Omer Rana from Cardiff University. Discussions covered climate change, smart agriculture, digital technologies, and opportunities to deepen Australia-Indonesia cooperation in agriculture.

Representing the University of Newcastle, Dr. Shaleeza Sohail emphasized that technological sophistication alone does not make an agricultural innovation useful.

«“Smart agriculture should not simply introduce sophisticated technologies, but ensure that farmers are able to adopt and benefit from them,” she said.»

The partnership therefore emphasizes technologies that are practical, adaptive, affordable, and responsive to farmers' actual needs.

Following the seminar, the program moved from academic discussion to community-level application through a four-day workshop series in Sidrap from August 5–8. Around 300 farmers and agricultural extension officers participated in training on artificial intelligence, the Internet of Things, sensors, and data-informed decision-making.

Participants examined how real-time field information could improve decisions on fertilization, irrigation, pest and disease management, and other farming practices.

Muhammad Junaid, S.P., M.P., Ph.D., Head of the UNHAS Subdirector for Network Strengthening and Chair of the Harvesting the Future team, explained that the initiative builds on approximately two years of engagement with farming communities in Sidrap. Rather than replacing farmers' experience, the program encourages the integration of local knowledge with measurable field data to support more precise and efficient decision-making.



The workshops combined presentations, discussions, technology demonstrations, and problem identification. The initiative continued with an international symposium and poster competition at the Faculty of Agriculture, UNHAS, extending the conversation to emerging research and practical applications, including drone technology and digital agriculture.

Harvesting the Future 2026 demonstrates how an international university partnership can move from research and discussion into practical application. By connecting farmers' knowledge with accessible technologies, scientific expertise, and government support, the program seeks to improve agricultural decision-making while helping farming communities respond to climate uncertainty and food-production challenges. Its inclusion of farmers, extension officers, students, women, and young people also broadens participation in shaping more resilient agricultural systems in Eastern Indonesia.



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