

ENLISTED IN THE WORLD UNIVERSITY RANKING, UNHAS BECOMES A WORLD-CLASS UNIVERSITY

Universitas Hasanuddin (Unhas) has finally succeeded in becoming a world-class university, according to the Times Higher Education (THE) University Ranking 2022. It is reported on Thursday (02/09) on THE's website, http://www.timeshighereducation.com.

THE World University Ranking 2022 is the most prominent university ranking to date, including 1,600 universities across 99 countries worldwide.

THE World University Ranking assesses an institution's performance in four areas: teaching, research, knowledge transfer, and international outlook, using 13 calibrated performance indicators.

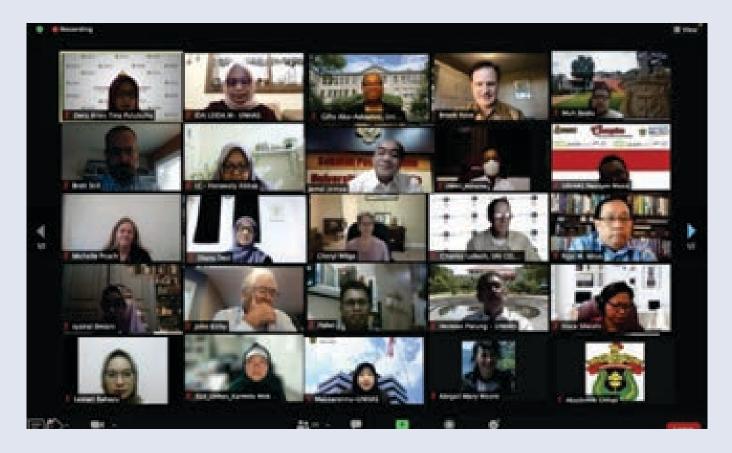
According to THE University World Ranking's website, this year's evaluation was based on complex data, including 108 million citations in more than 14,4 million publications, as well as responses from a survey of more than 22,000 academics from around the world. THE gathered about 430,000 data points from over 2,100 universities submitted the data. The result of the assessment shows that Universitas Hasanuddin is ranked 1,201+ in the world. This is the first time Unhas enlisted in the world ranking based on THE World University Ranking version. Previously, Unhas was only placed in THE Impact Rankings for Sustainable Development Goals (SDGs).

As for the national ranking, Universitas Hasanuddin is in position of 4-14 (in 9th place). Here is the ranking position of Universitas Hasanuddin among 14 other Indonesian universities based on THE ranking:

- 1. Universitas Indonesia (801 1000)
- 2. Institut Teknologi Bandung (1001 1200)
- 3. Universitas Pendidikan Indonesia (1001 1200)
- 4. Universitas Airlangga (1201+)
- 5. Universitas BINUS (1201+)
- 6. Universitas Brawijaya (1201+)
- 7. Universitas Diponegoro (1201+)
- 8. Universitas Gadjah Mada (1201+)
- 9. Universitas Hasanuddin ((1201+)
- 10. Universitas IPB (1201+)
- 11. Universitas Padjadjaran (1201+)
- 12. Universitas Sebelas Maret (1201+)
- 13. Institut Teknologi Sepuluh November (1201+)
- 14. Universitas Telkom (1201+)

Formerly, Universitas Hasanuddin had succeeded in being listed as a world-class university according to QS World University Ranking version. Through this achievement in THE World University Ranking, Universitas Hasanuddin has enlarged its success as a world-class university. (source: www.unhas.ac.id)

UNIVERSITAS HASANUDDIN AND UNIVERSITY OF RHODE ISLAND LAUNCHED GRADUATE CERTIFICATE AND MASTER SPLIT SITE PROGRAM



Universitas Hasanuddin (Unhas) and the University of Rhode Island (the URI), USA, collaborate by launching the Graduate Certificate Natural Resource and Environment (NRE) program. On Friday, March 9th, the launch took place virtually using the Zoom Meeting Application. Director of Education of Unhas, Dr. Ida Leida Maria, SKM., M.KM., explained that the program is a manifestation of an academic agreement between the Graduate Program of Environment study Unhas and the University of Rhode Island.

"After completing the Graduate Certificate NRE program, students are expected to join the split-site master or double degree program of Master Environmental Science and Management (MESM) at the University of Rhode Island," explained Ida.

The Graduate Certificate and Split Site Master program is the first program implemented by Unhas and university from the USA. Previously, Unhas worked with Australian universities on double degree programs in public health, management, and accounting.

"With this program, we hope to encourage the collaboration expanding to other study programs. Unhas and the University of Rhode Island share similar regional characteristics of the maritime and oceanic region. We also hope that the program will contribute to the development of the Graduate Program in Environmental Studies and the internationalization of Unhas," Dr. Ida Leida said.

The launching of the program was attended by the Rector of Unhas (Prof. Dr. Dwia Aries Tina Pulubuhu, MA.), and Vice-rector for Research, Innovation, and Partnership (Prof. dr. Nasrum Massi, Sp.MK, Ph.D) and other leaders of Unhas. Vice Provost for Global Initiatives of the URI (Professor Gifty Ako-Adounvo), the Dean of College of the Environment and Life Sciences (Dr. John Kirby), Director of Education Partnerships Asia of URI (Mr. Brook Ross), Partnerships Manager of IEP (Ms. Devi Diana), and four scholarship awardees from Unhas.

61ST ANNIVERSARY SERIES, THE FACULTY OF ENGINEERING UNIVERSITAS HASANUDDIN HELD EICSE INTERNATIONAL CONFERENCE



The Center of Technology (COT) of The Faculty of Engineering (FT), Universitas Hasanuddin (Unhas) held an international conference entitled "The EPI International Conference on Science and Engineering (EICSE) 2021". The theme was "Commercialization of the UIG Collaboration-based Research Products and Innovation to Support the Development of a Science Techno-Park". It was conducted virtually through the zoom meeting application, on Tuesday (28/09/2021).

The keynote speaker was the Regent of East Luwu (Drs. Budiman, M.Pd). The other speakers, namely Prof. Yoshihiro Narita (Hokkaido University, Japan), Prof. Norbert Gruenwald (the University of Technology, Business, and Design, Germany), and Willem Johannes (Hans) Pos, M.Sc., (Director Groenpos, Netherlands).

The Dean of FT Unhas Prof. Dr. Ir. Muhammad Arsyad Thaha, M.T., explained that the word "EPI" in the name of the seminar stands for Eastern Part of Indonesia or Eastern Indonesia. The word was chosen considering that the seminar was held at FT Campus, which is the largest Engineering Facul-

ty in Eastern Indonesia. The conference aims as a forum to strengthen research collaboration involving elements of the triple helix consisting of Universities, Industries, and Government (UIG). "FT Unhas continues to play a role in supporting the development of science and technology as an effort to prepare for Indonesia Gold 2045. Currently, Unhas has a Science Techno Park (STP) which will bridge various innovations to enter the market," said Prof. Arsyad.

The event was officially opened by the Vice-Rector for Planning, Finance, and Infrastructure, Prof. Ir. Sumbangan Baja, M. Phil, Ph.D. In his remarks, he appreciated the fact that the conference presented speakers from various fields, namely Industry, Government, and academics to collaborate with each. "It will open up more collaboration opportunities, and of course help commercializes products to reach the market," said Prof. Sumbangan.

INDONESIAN DIASPORA WEBINAR BY FACULTY OF NURSING ON "PSYCHOSOCIAL IMPACTS OF COVID-19 AND THEIR IMPLICATION IN NURSING EDUCATION: LESSON LEARNED FROM UNITED ARAB EMIRATE."



The Faculty of Nursing of Unhas held a public lecture entitled "Psychosocial impacts of Covid-19 and Their Implication in Nursing Education: Lesson Learned from the United Arab Emirates". This activity is part of the Indonesian Diaspora Webinar Series conducted Unhas Taskforce for World-Class University program. The activity took place virtually through the Zoom meeting application at 09.00 Central Indonesia Time on Monday (06/09) and was attended by approximately 300 participants.

The public lecture presented a speaker from Indonesian Diaspora, Muhammad Arsyad S, Ph.D., RN from the Department of Nursing, College of Health Science, University of Sharjah – the United Arab Emirates. The Dean of the Faculty of Nursing Unhas, Dr. Ariyanti Saleh, S.Kp., M.Si., said that this activity aims to improve international accreditation and to establish cooperation with international partnerships.

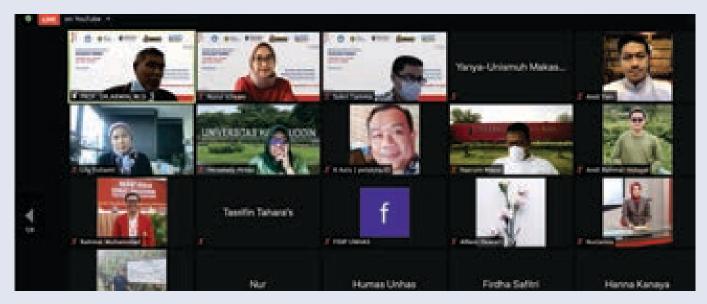
"Faculty of Nursing has collaborated with various overseas universities to facilitate students through international exposure programs, increase students' knowledge and contribute to increasing international publications," explained Dr. Ariyanti.

The activity was officially opened by Vice-Rector for Research, Innovation and Partnership Unhas, Prof. dr. Moh. Nasrum Massi, Sp.MK, Ph.D. He expressed his gratitude for the collaboration through a series of Diaspora public lectures.

Prof. Nasrum hopes that this public lecture can create more collaborations for research proposals to get international accreditation and recognition to improve the quality of Unhas education," explained Prof. Nasrum. The activity was then continued with a presentation by the speaker. In his material, he discussed a person's psychosocial development during the Covid-19 pandemic, which caused an economic burden and the manifestation of financial losses in various levels of society.

During the pandemic, the changes affect the patients' mental health, medical personnel, and family. Therefore, it is significantly necessary to apply a proper psychosocial intervention based on the mental issues that existed among the patients. The psychosocial intervention can be done either individually or in a group.

WEBINAR BY FACULTY OF SOCIAL & POLITICAL SCIENCES ON HISTORICAL RELATIONSHIP OF AUSTRALIA-MAKASSAR



The Faculty of Social and Political Sciences, Universitas Hasanuddin (FISIP Unhas), established an online public lecture on "Global Encounters: Makassar-Northern Australia Historical Relationship" delivered by Lily Yulianti Faird, Ph.D. (Monash University, Australia). The activity took place virtually through the zoom meeting application on Thursday (09/09).

The webinar was officially opened by the Vice-Rector for Research, Innovation, and Partnership, Prof. dr. Nasrum

Massi, PhD.

After the opening remark, the speaker, Lily, presented her topic about "Makassar- Marege: The Future of Our Shared History". In general, she explained about the global research project currently conducted by other researchers on Australian history. She also gave an overview of the life of the indigenous Australians (Aborigines) who were not touched by modernity. source: www.unhas.ac.id

WEBINAR BY FACULTY OF AGRCULTURE ON "GENDER, DISASTER, AND FOOD RESILIENCE

DISASTER AND VULNERABILITY - Discussor happens when there is an interface between an entrum physical errors (Manuel) and a valuation's human population (Suntan, Olimbia, and Wiscort 1962). Volnerable Conditions: • Document (Suggle limithood, to santage etc.) • Natural (dependence on low statutal pressures). • Construent (prumand design, location of houses)

The Faculty of Agriculture, UNHAS held a Diaspora Webinar on Friday (17/09). The activity presented a speaker, Siti Kusujiarti, Ph.D. from Warren Wilson College. Siti Kusujiarti, Ph.D., presented a topic related to gender, disasters, and food security during the pandemic. The disasters are mainly caused by many things, such as natural conditions, technological failures, human behavior, and even complex social and technological combinations.



These problems need to be globally acknowledged by people all around the world.

The activities guided by Dr. Ir. Novaty Eny Dungga, MP., as a moderator was attended by approximately 100 participants.

WEBINAR DIASPORA SERIES 19: ACOUSTIC REMOTE SENSING, RIGHT TOOL FOR SEABED MAPPING



The Faculty of Math and Science (MIPA) Universitas Hasanuddin (Unhas) conducted a guest lecture in the Webinar Diaspora Series 19: "Acoustic Remote Sensing: Right Tool For (Sub-) Seabed Mapping in Deep and/or Highly Turbid Water When Satellite Remote Sensing Becomes Incapable". The event was held via zoom meeting on Thursday, 30th September 2021.

The event was officially opened by The Vice-Rector for Research, Innovation and, Partnership of Unhas: Prof. dr. Nasrum Massi, Ph.D., Sp.MK. He stated that the topic was the potential to pursue collaborative researches between the faculty members in MIPA and international partners. Dr. Justy Siwabessy (Geoscience Australia) who was the speaker in the webinar explained that Acoustic Remote Sensing is a process of obtaining digital information that represents the earth's surface characteristics or sub-surface properties. This involves observing and measuring an object remotely using satellites, aircraft, or ground-based systems.

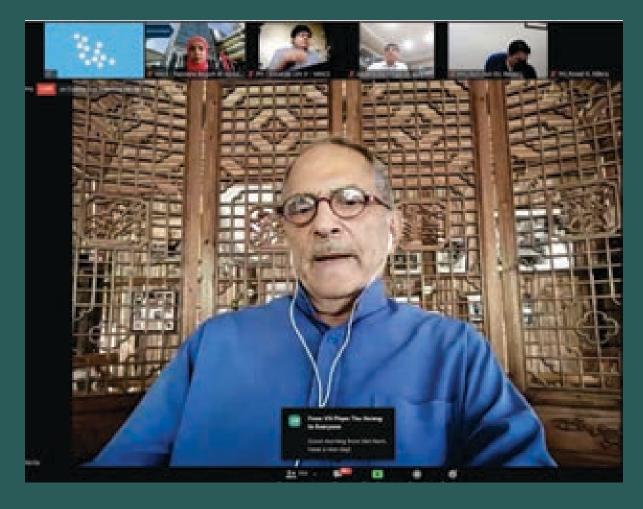
Meanwhile, the mapping of the seabed is carried out from various platforms, such as ships, autonomous underwater vehicles, deep crane equipment, satellites, and fixed-wing aircraft. The data is used to create products such as bathymetric maps that reveal the topography of the seafloor that describes the depth, shape, composition, and structure of the seabed and coastlines.

"Acoustic Remote Sensing that uses underwater object detection technology with acoustic instruments that utilize certain sound waves is more effectively used than Google Earth satellites because the resulting resolution capture is not sufficient to monitor diversity or navigation and infrastructure development, so higher resolution is needed," explained Dr. Justy.

Furthermore, Dr. Justy added that acoustic remote sensing is the only effective technique for investigating the deep ocean floor. Modern high-frequency multi beam echoes transmit and receive scattering signals and can produce bathymetric and backscattering data with a spatial resolution of about 2% of water depth, allowing us to map the ocean floor in great detail and accuracy.

After the presentation of the lecture, the webinar was followed by a discussion session guided by Dr. Magdalena Litaay, M.Sc., (Head of the Laboratory of Environmental and Marine Sciences, MIPA Unhas) as moderator which was attended by approximately 300 participants.

UNIVERSITAS HASANUDDIN AND FPCI HOLD GUEST LECTURES DISCUSSING ASEAN'S ROLE IN PEACE



Universitas Hasanuddin in collaboration with the Foreign Policy Community of Indonesia (FPCI) held a guest lecture by Jose Ramos-Horta (Nobel Peace Laureate and President of Timor Leste 2007-2012) as a speaker. This activity is an implementation of the collaboration of Universitas Hasanuddin as one of the State Universities involved in the Southeast Asia Lecture Hall program.

Southeast Asia Lecture Hall is a program that aims to provide world-class lectures by leading academics and experts in their respective fields to students and youth in the Southeast Asia region. The background of this program is due to the gap in access to high-quality tuition in Southeast Asia.

Ramos-Horta discussed world peace, especially in the Southeast Asian region, and the position of ASEAN (Association of Southeast Asian Nations) as

a bridge of collaboration between countries that are members of or are in the Southeast Asian region. He also explained the experiences and conditions of conflicted countries and the relationship between Timor Leste and Indonesia.

Jose Ramos-Horta was the President of Timor Leste from 2007 to 2012. Previously he served as Minister of Foreign Affairs from 2002 to 2006 and Prime Minister from 2006 to 2007. He is also active as an international mediator for the achievement of world peace which is internationally recognized.

WEBINAR DIASPORA SERIES 16: UNHAS POSTGRADUATE DISCUSSED CETACEAN ECOLOGY



The School of Post Graduate (TSOPG) Universitas Hasanuddin (Unhas) held the 16th Diaspora Webinar Series, virtually through the zoom meeting application, Monday (27/09). The theme was "Introduction to Cetacean Ecology and Conservation". The webinar presented Dr. Putu Liza Kusuma Mustika (Research Lecturer, James Cook University) as a resource person.

The Dean of TSOPG, Prof. Dr. Ir. Jamaluddin Jompa, M.Sc., explained that this activity is one of the scientific forums for the development of science and knowledge about the role of humans in maintaining marine ecology.

The event was officially opened by the Director of Unhas Partnership, Dr. Mahatma, S.T., M.Sc. He said that this activity was carried out in addition to being a forum for scientific development, it was also a strategic step to expand and build partnerships to support Unhas' achievements in World Class University (WCU).

Mahatma added that the diaspora webinar is a WCU Unhas program, where every faculty is involved, presenting diaspora according to their respective studies. It is hoped that it will become a door for Indonesian scientists who take part in the international world to get to know each other and collaborate.

In his presentation, Dr. Liza explains biologically, Cetacea is the name of the infraorder in the Mammal class. All cetaceans are marine mammals without hind limbs and move by relying on vertical tail movements, including all types of whales and dolphins, including porpoises, and beaked whales, which live in marine, brackish, or freshwater waters.

At this time, several factors threaten the habitat of cetaceans such as habitat changes (especially for freshwater dolphins), solid waste, oil and gas activities, and maritime defense to water pollution and plastic waste.

"The role of the community is urgently needed to protect the cetacean habitat. Many cases of death are caused by plastic waste; therefore, we should take as much part as possible to reduce the use of plastic. There are still many things we can do as a form of involvement in protecting the cetacean habitat," explained Dr. Liza. The webinar was guided by Dr. Nadiarti Nurdin, M.Sc., (Chairman of the Water Resources Management Study Program) as the moderator was attended by approximately 200 participants.

FACULTY OF ECONOMICS AND BUSINESS UNIVERSITAS HASANUDDIN TOGETHER WITH CWMA HOLD A WEBINAR ON FINANCIAL MANAGEMENT



The Faculty of Economics and Business, Universitas Hasanuddin (FEB Unhas) in collaboration with the Certified Wealth Managers Association (CWMA) held a webinar titled "Executive Talk" with a subject on "Wealth Management: An Intergenerational Wealth Transfer" as one of the series of 73rd Anniversary of FEB Unhas.

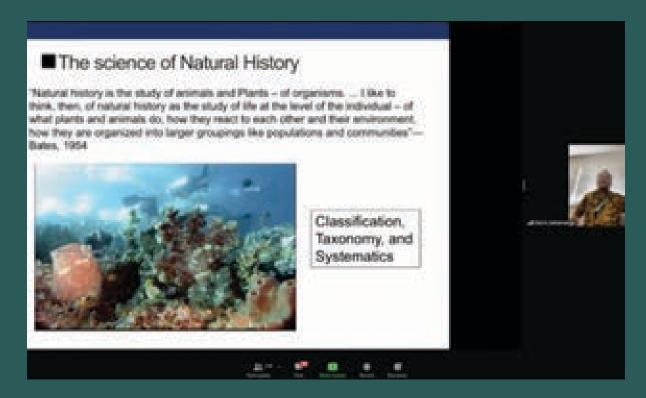
The activity included a presentation from keynote speaker Dr. Maikel Sajangbati, M.Sc., CWM (Board of Advisors CWMA, CEO & Founder of MCI Asia Group) which was followed by discussion guided by Asharin J Purisamya, SE, M.Sc, CWM (Lecturer of FEB Unhas). Attended by more than 100 participants, this webinar took place from 10.00 to 12.00 Central Indonesia Time through the Zoom meeting application, Monday (27/09).

Starting the activity, Saldy Mansyur as the Chair of the Committee through his speech said that this seminar was expected to provide a more comprehensive understanding related to effective financial management to help manage the assets currently owned for the next generations. The next speech was then carried out by the Dean of FEB Unhas Prof. Dr. Abdul Rahman Kadir, SE, M.Si, CIPM which was done simultaneously with the official opening.

After the official opening, it was continued with the material presentation from Dr. Maikel. He explained that there are three main pillars in financial management, namely wealth protection to protect and preserve wealth, wealth growth or the process of increasing and developing owned assets, and wealth distribution or managing wealth to be enjoyed in old age.

Furthermore, Dr. Maikel added that essentially good asset management will have a continuous impact on various fields and be able to avoid risk mitigation. It was also explained that there are at least six benefits of having good financial management called peace of mind, protection of offspring, a promising future, stable and strong finances, settlement of financial obligations, and part of a risk mitigation strategy.

DIASPORA WEBINAR SERIES 17: MOLECULAR GENETICS FOR BIODIVERSITY RESEARCH



The Faculty of Marine Sciences and Fisheries, Universitas Hasanuddin (FIKP Unhas) held a public lecture at the 17th series of Diaspora Webinar themed "Molecular Genetics for Basic Natural History and Biodiversity Research".

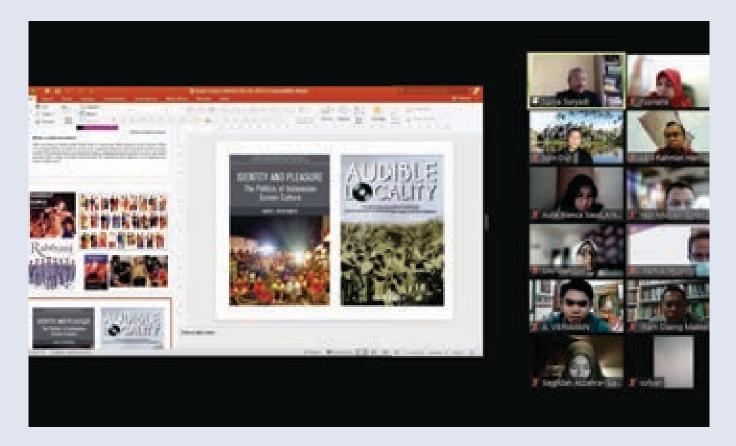
The public lecture took place from 09.00 to 11.00 Central Indonesia Time connected virtually through the Zoom meeting application, on Monday. This activity included a material presentation and discussion guided by Dr. Widyastuti Umar, S. Kel (Lecturer of Marine Science Study Program FIKP) as moderator.

Davin HE Setiamarga, Ph.D (Associate Professor of Molecular Biology, Department of Applied Chemistry and Biochemistry, National Institute of Technology, Wakayama College) as an expert in genomics, evolutionary biology, phylogenetic, evo-devo, marine biology, and molecular evolution was presented as the keynote speaker of this webinar.

In his presentation, Davin Setiamarga explained Biodiversity Genomics, which is a field of science that examines biodiversity to find its origin and evolution, using genomics/molecular biology methods to analyze genes, DNA, proteins, and living organic molecules.

Furthermore, Davin added that currently about 97% of the diversity of animals is invertebrates, so in the sampling process it is necessary to represent the population in which the sample is selected to avoid a sampling bias as a result of taking population having little or no chance to be selected as samples.

DIASPORA WEBINAR SERIES 15: OPPORTUNITIES AND CHALLENGES OF CULTURAL STUDIES



The Faculty of Cultural Sciences, Universitas Hasanuddin (FIB Unhas) held the 15th Series of Diaspora webinar with the theme "Opportunities and Challenges of Cultural Studies". The activity presented by Dr. Surya Suryadi (A Senior Lecturer, Leiden University, Netherland) was held virtually through a zoom meeting application attended by 200 participants, from 16.00 to 17.30 Central Indonesia Time, Saturday (25/09). The discussion session of this webinar was guided by Yusriana, MM (Lecturer of the Department of Archeology, FIB Unhas).

The Dean of the Faculty of Cultural Sciences Unhas, Prof. Dr. Akin Duli, MA., explained that cultural studies have had an important influence on understanding culture. Studying culture means having the courage to redefine culture as a process of meaning. In the era of industrial technology 4.0, challenges and opportunities in studying culture are experienced by various community groups. Prof. Akin hopes that this webinar will become a useful forum to have an in-depth understanding of cultural studies in the digital era.

The activity was officially opened by the Vice-Rector for Research and Innovation Hasanuddin University, Prof. dr. Nasrum Massi, Ph.D. In his remarks, he said that in addition to being a forum for scientific development, this webinar was also a strategic step to expand and build partnerships to support Unhas' achievements in WCU (World Class University). Prof. Nasrum also appreciated the webinar which could present undoubtedly competent speakers. According to him, aspects of cultural studies in the 4.0 era are very important to be discussed together especially on how to see the position of culture in the current digital era. On top of that, he also explained the various achievements of Unhas in WCU.

On the same occasion, Dr. Surya Suryadi as the keynote speaker explained regarding the opportunities and challenges of cultural studies that cultural studies are pluralistic areas from various competing perspectives like an invention of theories or a strive to intervene in cultural politics. Cultural studies also explore culture as a practice of meaning in the context of social power. Nowadays, many scientists recognize the existence of the "others" in human civilization which is then perceived as a new paradigm in cultural studies. These things could be a form of post-anthropology and sociology.

WEBINAR SERIES 14: CATASTROPHIC HEALTH EXPENDITURE AND AGEING IN INDONESIA



The Faculty of Public Health of Universitas Hasanuddin held a Diaspora Series 14 Webinar with the theme "Catastrophic Health Expenditure & Ageing in Indonesia".

This activity was attended by 300 participants and was carried out virtually through the zoom meeting application by presenting Dr. Gindo Tampubolon (Lecturer in Global, The University of Manchaster) as a speaker.

In this activity, Dr. Gindo Tampubolon said that in Indonesia there are still many families who choose to live with their parents or accompany families who have entered old age (elderly), so they can continue to pay attention to their welfare, especially related to health.

This is in line with the achievement of the Sustainable Development Goals (SDGs) in the third point, which is to support well-being for all ages.

Dr. Gindo also explained the importance of safe and comfortable health services that can be accessed by all levels of society. The government is expected to present a health service program as a system that will protect families in the financing plan and can run effectively by aiming at the right targets. So that it can provide subsidies for health service facilities in Indonesia efficiently.

After the presentation of the material, the activity continued with a discussion session guided by Nur Arifah, SKM, MA, as the moderator.

INDONESIAN DIASPORA WEBINAR BY DIRECTORATE OF PARTNERSHIP ON "DISCUSSING SYNERGY FOR COVID-19 HANDLING INNOVATIONS WITH I-4"



Universitas Hasanuddin (Unhas), through the Directorate of Partnership together with the Unhas World Class University (WCU) task force and the International Indonesian Scientists Association (Ikatan Ilmuwan Indonesia Internasional or I-4), held a Diaspora Webinar Series. The webinar with the theme "Innovation Synergy of International Indonesian Scientists in Handling Covid-19" took place virtually via the zoom application on Tuesday (07/09).

The Diaspora Webinar Series presented speakers from the International Indonesian Scientists Association (I-4), namely Dr. Muhammad Aziz as the Chairperson of I-4 from the University of Tokyo and Dr. Sastia Prama Putri Secretary-General I-4 from Osaka University. Vice-Rector for research, Innovation and Partnership Unhas,

Prof. dr. Moh. Nasrum Massi, Sp. MK, Ph.D., explained that in the context of handling Covid-19, Unhas had made various efforts to support government programs. Since the beginning of the pandemic, these efforts have been seen in terms of testing, tracing, and treatment steps.

After the presentation, it was followed by a discussion and question and answer session. The activity guided by Asmi Citra Malina, S.Pi., M. Agr., Ph. D., (Head of Sub-Directorate for Domestic Cooperation of Unhas) as moderator, was attended by approximately 100 participants.

source: www.unhas.ac.id

UNHAS NEWS UPDATE TEAM

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Nasrah S

WEBINAR DIASPORA SERIES 10: DISCUSSES FLOOD TOLERANT RICE VARIETIES

Flood Tolerant Rice: the underlying genetics and its global impacts Endang M. Septiningsih, Ph.D. Department of Soil and Crop Sciences Texas A&M University 16 September 2021

The Faculty of Agriculture of Universitas Hasanuddin (Unhas) held a Diaspora Series 10 Webinar with the theme "Flood Tolerant Rice: The Underlying Genetics and its Global Impact."

This activity was attended by Assoc. Prof. Endang M. Septiningsih, Ph.D. (Department of Soil and Plant Sciences, Texas A&M University) as a speaker.

Prof. Dr. Sc. agr. Ir. Baharuddin as the Dean of the Faculty of Agriculture gave a speech regarding the contribution of the Faculty of Agriculture at Unhas in improving the quality of superior rice seeds through cooperation with the International Cooperation and Development Fund (ICDP) of Taiwan.

One of the implementations of this collaboration is to guide 7 districts in South Sulawesi which have high rice production.

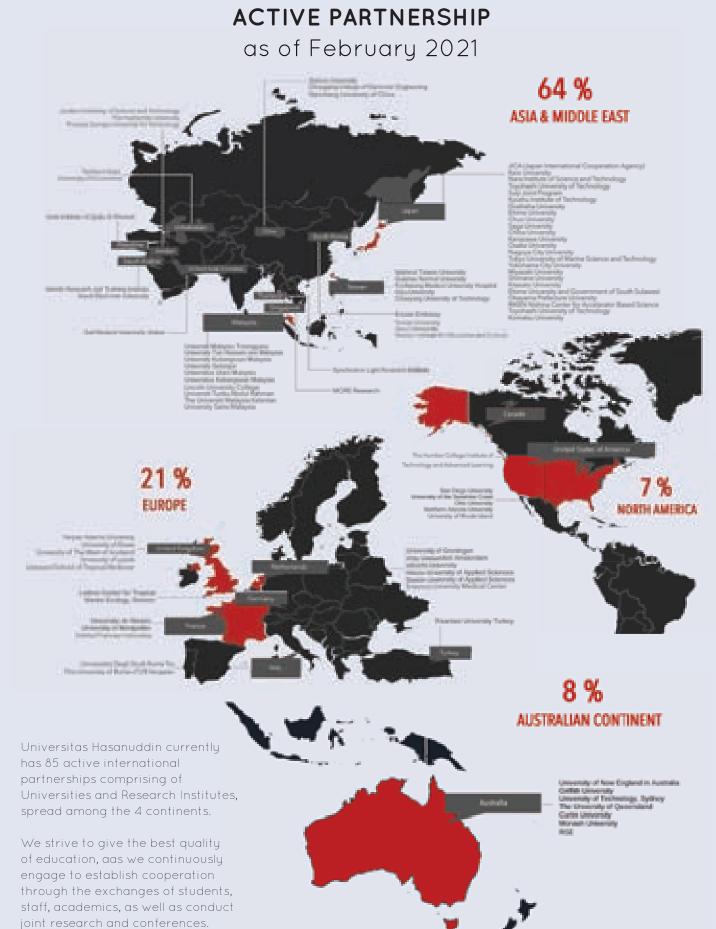
The activity was opened by the Vice-Chancellor for Research, Innovation, and Partnership of Unhas, Prof. dr. Nasrum Massi, Ph.D.

Prof. Endang explained that floods are one of the factors that affect rice production throughout the world with an estimated annual economic loss of up to billions. The problem of flooding is further exacerbated by climate change events that occur.

In addition, Prof. Endang also provides an overview of rice varieties that survive despite experiencing excess water reserves or flooding. These seeds can survive for 10-15 days in rain or flood water immersion.

After the presentation of the material, the activity continued with a discussion session guided by Dr. Ir. Ifayanti Ridwan Saleh, S.P., M.P., as a lecturer at Linhas

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FACULTY & STUDY PROGRAM

Universitas Hasanuddin consists of 15 Faculties covering wide varieties of majors in natural sciences, social sciences, engineering and many others.

- Faculty of Agriculture
- Faculty of Social & Political Sciences
- Faculty of Cultural Sciences
- Faculty of Mathematics & **Natural Sciences**
- Faculty of Economics & Business
- Faculty of Medicine
- Faculty of Law
- Faculty of Pharmacy
- Faculty of Dentistry
- Faculty of Forestry
- Faculty of Engineering
- Faculty of Animal Husbandry
- Faculty of Marine Sciences & **Fisheries**
- Faculty of Public Health
- Faculty of Nursing

Postgraduate Program at Unhas offers doctoral & master programs in wide range of majors including Health Sciences, Natural Science, Engineering and many others. Faculty of Postgraduate consists of 50 master study programs and 17 doctoral programs. The following lists are the master study program available at Unhas:

- · Agricultural system
- Regional Planning and Development
- Environment management
- Resources economics
- Linguistics

- Economics Dev & Planning
- Dev. Administration
- Legal Science
- Agribusiness
- Chemistry
- Indonesian Language
- Urban Management
- Communication
- Bio Medic Science
- Sociology
- Financial Management
- Public Health
- Anthropology
- Gender and Development
- Master of Management
- Mechanical Engineering
- Civil Engineering
- Medical Specialist
- Pharmacy
- Master of Regional Finance
- Electrical Engineering
- Infrastructure Planning
- Transportation
- Agrotechnology
- Rural Planning & Dev.
- Agroindustry
- Geophysics
- Geology
- Marine Science
- Architecture
- Fisheries Science
- Accounting
- Mathematics

- Notary Affairs
- Forestry Science
- Food Science & Tech
- Agricultural Engineering
- Livestock Tech. & Science
- Plant PEST & Disease
- Nursing Science
- Political Science
- Midwifery
- Physics
- Biology
- English Language

The following lists are the doctorals available at Unhas:

- Agricultural Science
- Medical Science
- Linguistics
- Legal Science
- Economics
- Chemistry
- Civil Engineering
- Public Administration
- Public Health
- Anthropology
- Fisheries Science
- Architecture
- Mechanical Engineering
- Environmental & Geology
- Electrical Engineering
- Communication Science
- Pharmacy

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