



THREE SUBJECTS FROM UNIVERSITAS HASANUDDIN ENTERED TIMES HIGHER EDUCATION WORLD UNIVERSITY RANKINGS BY SUBJECT

Universitas Hasanuddin (Unhas) recorded a proud achievement in world rankings. Unhas manage to reach the top board in Indonesia regarding Times Higher Education World University Rankings (THE WUR) by Subject. There are 11 subjects included in THE World University Ranking, Computer Science, Engineering, Clinical and Health, Life Sciences, Physical Sciences, Psychology, Art and Humanities, Business and Economics, Education, Law, and Social Sciences. THE World University Ranking has announced six subjects related to science and technology through the official website. Three subjects from Unhas have successfully achieved a worldwide reputation in THE WUR by subject: Clinical and Health, Life Sciences, and Physical Sciences. Out of 10 Indonesian universities in the WUR list, Unhas places the top 3 in Indonesian and is ranked 801-1000 globally. There are five indicators assessed: Citation, industry income, international outlook, research, and teaching. In addition, there are four ranking variables involved,

including the number of full-time equivalency students, students per staff, international students, and students (female: male) ratio.

The Director of Communications of Unhas, Ir. Suharman Hamzah, Ph.D., explained that Unhas must be proud of this accomplishment because Unhas, for the first time, achieves the recognition of World Class University by Subject. "This achievement is the result of a collaborative effort which is simultaneously carried out by all of the parties in Unhas. We should be proud of this achievement. Unhas has proven itself as a World Class University." said Suharman. On the other hand, THE WUR by social sciences and humanities subject will be announced on October 13th and November 3rd, 2021.

source: www.unhas.ac.id

PHYSIOTHERAPY STUDY PROGRAM PRESENTED SPEAKERS FROM VARIOUS COUNTRIES ON THE WEBINAR



As part of the 4th Anniversary of the Faculty of Nursing of Universitas Hasanuddin (Unhas), The Physiotherapy study program, Faculty of Nursing (Unhas) held an international Webinar on the topic of “Multidimensional Perspectives of Physiotherapy on The Management of Post-Covid-19 Syndrome”. The Webinar took place on Sunday (3/10) through a zoom virtual meeting. It was hosted by Meutiah Mutmainnah, S.Ft., Physio., M.Kes., as moderator and it was attended by approximately 230 people from the clinical practitioners and the physiotherapy academic community.

The source persons in the webinar were Parmono Dwi Putro S.Ft, M.M (The Chairman of the Indonesian Physiotherapy Association), Nantinee Nualnim, Ph.D., PT (Mahidol University, Thailand), Dr. Adrian Christer Pranata, B.Physio, M.Physio, SpecCertTGR., APAM., (Swinburn University of Technology, Australia), and Yulisna Mutia Sari, S.St, Ft, M.Sc, (G&R Stud), Ph.D. (Cand.), (Monash University, Australia).

In her opening remarks, Vice Dean for Academic, Research, and Innovation; Rini Rachmawaty Ph.D., said that the webinar was held to provide an overview and knowledge to all clinical practitioners and the academic community regarding proper physiotherapy management during the long Covid-19 period. Physiotherapy has the role of

providing exercise, mobilization, and rehabilitation interventions for survivors of critical illnesses related to Covid-19 so that they can be functioning well.

In his presentation, Parmono Dwi Putro S.Ft, M.M, explained that currently, the collaborative role of Physiotherapy is increasingly evident in handling Covid-19 patients through various efforts, such as the issuance of physiotherapy recommendations for Long Covid-19, as well as health services that are easily accessed through Telephysio services.

Furthermore, the three other source persons discussed various topics; “Physiotherapy Management for Cardiovasculopulmonary Manifestation of the Post Covid-19 Syndrome” (Nantinee Nualnim, Ph.D., PT); “Novel Movement Assessment Technique for People with Low Back Pain Associated with Sustained Sitting” (Dr. Adrian Christer Pranata, B.Physio, M.Physio, SpecCertTGR., APAM.), and then the topic of “Physiotherapy Management for Older People with Post Covid-19 Syndrome” (Yulisna Mutia Sari, S.St, Ft, M.Sc, (G&R Stud), Ph.D. (Cand.))

source: www.unhas.ac.id

A TEAM OF STUDENTS FROM UNHAS WINS THE GOLD MEDAL IN INTERNATIONAL COMPETITION WICE 2021



Universitas Hasanuddin (Unhas) achieved a proud accomplishment at the international level. A team of students from the Faculty of Marine Science and Fisheries won a gold medal in the World Invention Competition and Exhibition (WICE) 2021.

The Indonesian Young Scientist Association conducted the event collaborated with SEGI University & Colleges, Malaysia.

The WICE is an education platform to nurture young inventors who are actively involved in the development of science, invention, and innovation, especially in science. The WICE was established to examine the extent of participants' knowledge, insights, and abilities in applying their scientific knowledge innovatively through innovative work. The team members were Ahmad Satari Idris (Utilization of Fishery Resources), Mutma'innah Hasan (Utilization of Fishery Resources), Achmad Nabil Al-Ashad (Management of Fishery Resources), and Achmad Dodhy Putrani Wido (Management of Fishery Resources).

The innovation of "Fish Magnet Eye as A Tool For Collecting and Detecting Fish to Increase the Catches". It is the modification of several combinations of fishing equipment, including light fishing, Fish Aggregating Devices (FADs) with raffia rope attractors, and fish finders with the addition of an Arduino, which makes it easier to control the presence of a fish magnet eye. The development of the innovation is expected to improve the Indonesian fishers' welfare and prosperity by increasing the catch rate.

The vice-dean for Student Affairs, Dr. Ir. Muhammad Farid Samawi, M.Sc., highly appreciates the achievements of his students. He said that the faculty strongly supports all accomplishments from lecturer and student at the local, national, and international levels. Every achievement is something to be proud of, not only for the students as individuals but also for the faculty and Unhas.

source: www.unhas.ac.id

PROF. AKIN DULI, UNHAS ARCHAEOLOGIST, THE DISCOVERER OF BESSE SKELETON



The discovery of the “Besse” skeleton took place at the pre-historic site of Leang Pangingnge, Mallawa district, Maros regency, South Sulawesi. The discovery of Besse Skeleton has become the central issue in the academic world. Moreover, the discovery has changed the interpretation of the history of human evolution. Based on the study, the skeleton is a woman in her 20s and has Denisovan DNA, a relative of the Austromelanesoid Race. This historical finding was done by the research team led by Prof. Akin. He is a professor of Archeology who currently serves as the Dean of the Faculty of Cultural Sciences (FIB).

Prof. Akin explained that the research started in 2015 in collaboration with University Sains Malaysia (USM). The research team conducted a survey and excavation at the designated location. Prof. Akin said that the selected location was based on reports from people around the site, supported by the strategic location, where a river flanks a cave. The research was then continued in 2017 with the support of internal research funding by Universitas

Hasanuddin. The funding was used to purchase equipment that could be applied to remove the skeleton from the excavation pit. As an effort of the research development, Prof. Akin involved some international researchers from Griffith University, Australia.

The discovery has a remarkable significance for science, especially to reveal the historical identity of Indonesia. The ancient human skeleton named “Besse” shows that the diversity of Indonesia is complex. The discovery also proves the sharpness of the archaeological and research instinct of Prof. Akin. The decision of the excavation site where they found the “Iron” skeleton came from a combination of knowledge, experience, and instincts of the researcher.

source: www.unhas.ac.id

GUEST LECTURE OF FACULTY OF PHARMACY UNNHAS: AN INTRODUCTION OF VIRUSES AND BASIC GENETICS



The Faculty of Pharmacy, Universitas Hasanuddin (Unhas), held a Guest Lecture themed “Introduction of Viruses and Basic Genetics”. The activity was conducted virtually through the Zoom meeting application at 13.00 WITA on Monday (11/10). The guest lecture was presented by Associate Professor Karyn Johnson from the School of Biological Sciences, The University of Queensland, Brisbane, Australia. He is an expert on Viruses who has many contributions to Genetic Science research.

Prof. Karyn explained a few things about an Introduction of Virus and Basic Genetics, including understanding how genes determine traits and Mendel’s pea plant experiments contribute to understanding genetics and inheritance. Moreover, Prof. Karyn also discussed the application of

Punnett Square boxes to predict genotype and phenotype ratios and understanding how and why the test cross can be helpful.

Modern understanding of how traits can be passed down from generation to generation comes from a principle proposed by Gregor Mendel in 1865. The material presented was then proceeded by a discussion and question and answer session. The public lecture, which approximately 300 participants attended, went smoothly until Thursday (14/10).

source: www.unhas.ac.id

UNHAS NEWS UPDATE TEAM

Dwia Aries Tina Pulubuhu
Mahatma Lanuru
Nurul Ichsani
Nur Fadhilah
Muhammad Reza Syamsuri
Hartina Mahardika
Kumara Tungga Dewa

Muhammad Nasrum Massi
Nur Arifah
Hidayatullah Yunus
Marningsih
Khaerunnisa Muhiro
Muhammad Imam Wahyuddin
Nasrah S

FACULTY OF ENGINEERING HELD AN INTERNATIONAL CONFERENCE, ICOMAREST 2021



Department of Marine System Engineering, Universitas Hasanuddin (Unhas), conducted an international conference called "The 1st International Conference on Marine Research and Technology (ICOMAREST) 2021".

The conference was conducted online due to the pandemic using the zoom meeting application on Tuesday (05/10). The theme for this year's conference is "Developing Advanced Marine Technology for Optimal Natural Maritime Resources Exploration".

ICOMAREST is an annual conference conducted by the Department of Marine System Engineering and part of the Anniversary of the Faculty of Engineering. On the same occasion, the head of the Marine Systems Engineering department, Dr. Eng. Ir. Faisal Mahmuddin, ST., M.inf.Tech., M.Eng., conveyed that the international conference was conducted by collaborating with various partners.

After the official opening, the event moved to presentations from all speakers. Prof. Takuji Waseda delivered a topic of "Ocean Information: A Bridge Between Science and Engineering".

This topic was about the freak waves and ship response useful for advancing ship design and assessing energy resources related to oceanographic waves.

Besides, Rudiyanto from Indonesian Classification Bureau (BKI) presented a topic on the role and function of BKI to classify Indonesian-flagged commercial vessels and foreign-flagged vessels regularly operating in Indonesian waters.

Approximately 200 participants followed the activity, and it was scheduled to last until Wednesday (06/10) with a paper presentation agenda that the committee has received.

source: www.unhas.ac.id

INDONESIAN DIASPORA WEBINAR BY FACULTY OF DENTISTRY ON VIRTUAL REALITY FOR ALTERNATIVE LEARNING IN PANDEMIC ERA



The Faculty of Dentistry (FKG) of Universitas Hasanuddin (Unhas) held an online public lecture on the topic of “Virtual Reality for Alternative Learning in Pandemic Era”. The guest lecturer was Dr. Cortino Sukotjo, DDS, Ph.D. an Associate Professor from the College of the Dentistry University of Illinois at Chicago, USA. The public lecturer was conducted virtually using the Zoom meeting application on Saturday (02/10).

Drg. Acing Habibie Mude, Ph.D., Sp.Pro (moderator) explained that conventional learning systems transform into online learning systems during the pandemic, using various online learning platforms, such as Zoom, Google Meet, etc.

This situation has a significant impact on medical study, specifically Dentistry because Dentistry subjects require repeated practice simulation to achieve the targeted competencies.

Dr. Cortino Sukotjo, DDS, Ph.D. MMSc., in his lecture explained that he modified a simulator that can

provide learning practice for dentist candidates. The simulator is helpful in Dental implant surgery programs.

This event was participated by approximately 200 participants. It can help students to understand the sequence of dental implants as if it were at the dental clinic with the actual patient.

It is expected to provide students with a virtual experience of patient treatment. Therefore, students will be used to dealing with a patient in any condition possible.

source: www.unhas.ac.id

HASANUDDIN UNIVERSITY HOLDS WEBINAR SERIES DISCUSSING NON-CARBON GREEN ENVIRONMENT DEVELOPMENT



The Faculty of Engineering, Hasanuddin University held a webinar series titled "Top Scientist Webinar Series 7" with the theme "Zero Carbon and Green Buildings for Better Environments".

This activity was attended by two speakers, namely Professor Doe. K Prasad (UNSW Sydney Australia) and Prof. Zhonghua Gou (Wuhan University, China).

Prof. Dr. Ir. Muhammad Arsyad Thaha, M.T., as the Dean of the Faculty of Engineering expressed his gratitude to the speakers and briefly explained about the Faculty of Engineering and its achievements, as this year according to the SCImago Institution, Engineering, Unhas as ranked 1st nationally and 453th in the world.

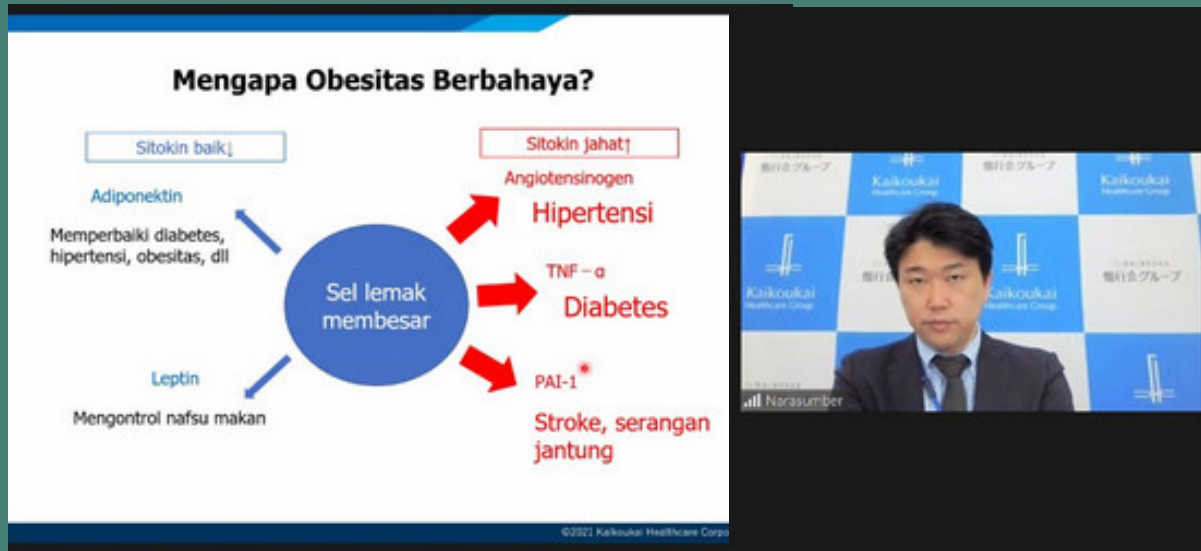
Prof. Ir. Baharuddin, S.T., M.Arch., Ph.D., as the Deputy Dean for Academic Affairs, Research and Innovation as moderators in this activity, then opened by the Vice-Chancellor for Research, Innovation, and Partnerships, Prof. dr. Moh. Nasrum Massi, Ph.D.

Furthermore, the presentation of material by the speakers, one of whom is Professor Deo K Prasad explained that the concept of environmentally friendly buildings is defined as the creation of construction from the planning, implementation, and use of environmentally friendly construction products to comfort, all of which adhere to sustainable principles.

It was also explained that green buildings begin with land use under urban spatial planning and pay attention to the level of operation to maintenance. Green building development will have an impact on environmental, economic, and social aspects.

source: www.unhas.ac.id

THE FACULTY OF NURSING OF UNHAS & KAIKOUKAI HEALTHCARE GROUP JAPAN HOLD COMMUNITY SERVICE



As a part of celebrating the 4th Anniversary of the Faculty of Nursing, the Department of Basic Nursing in collaboration with Kaikoukai Healthcare Group, held an online community service entitled “Sports Therapy and Basic Care for Caregiver” Friday (29/10).

The event presented speakers from Japan, Moriyama Yoshifumi (General Manager Exercise Therapy for Dialysis Patients Management Kaikoukai Healthcare Group) and Kawai Cheiko (General Manager Home Medical Care Kaikoukai Healthcare Group).

Syahrul Said, S.Kep., Ns., M.Kes., Ph.D., Vice-Dean for Student Affairs, Alumni, and Partnerships, said that the webinar was expected to provide new insights regarding the concept of sports therapy and primary care for caregivers based on the experience applied in Japan so that the webinar participants could use the concept independently.

Dr. Yuliana Syam, S.Kep.,Ns, M.Si; Dr. Rosyidah Arafat, Sp.KMB; and Andi Fajrin Permana, S.Kep, Ns., MN, are lecturers from Unhas who were involved in the event.

The first speaker, Moriyama Yoshifumi, explained the importance of sports therapy and its impact on health. Exercise is very crucial in preventing the occurrence of sarcopenia, premature aging and can improve mental health.

In the second session, Kawai Cheiko delivered a topic about the primary care for caregivers intended for the older people that can be done at home. It plays an essential role in maintaining the life quality of those people, especially in caregiving during the Covid-19 pandemic.

Kawai Cheiko also explained the ambulation technique that is undoubtedly crucial for families during the pandemic considering the caregivers play an active role in assisting family members.

source: www.unhas.ac.id

THE FACULTY OF AGRICULTURAL UNHAS HELD AN INTERNATIONAL CONFERENCE ON THE STRENGTHENING OF AGRICULTURAL TECHNOLOGY

UICAT
UNHAS INTERNATIONAL CONFERENCE
ON AGRICULTURAL TECHNOLOGY

Keynote Speaker

Prof (E). Dr. M. Aman Wirakartakusumah, M.Sc
Department of Food Science and Technology
Bogor Agricultural University (IPB)

Area of Expertise

- Food Processing
- Food Science and Technology
- Food Industry and Business

Organized by **UNIVERSITAS HASANUDDIN**
Supported by **Patpi**, **PERTETA**, **Indonesian Society of Agricultural Engineers**

Universitas Hasanuddin (Unhas), through the Department of Agricultural Technology, conducted an international conference entitled “The 1st Unhas International Conference on Agricultural Technology (UICAT)” under the theme “Strengthening Agricultural Technology through Innovative Research”. The activity took place virtually using the zoom meeting application on Wednesday (28/10) and ended on Thursday (29/10).

The conference presented Prof (E). Dr. M. Aman Wirakartakusumah, M.Sc (President-elect of IU FoST, Indonesia) as keynote speaker followed by the other speakers as below:

1. Prof. Dr. Heidi Halbwirth (Technical University of Vienna, Australia)
2. Prof. Dr. Armando Apan (The University of Southern Queensland, Australia)
3. Prof. Dr. Salengke (Universitas Hasanuddin, Indonesia)
4. Assoc. Prof. Dr. Matthijs Dekker (Wageningen University & Research, The Netherlands)
5. Khaled B. Zitoun, Ph.D. (Chief Global Technology Officer, Kerry Group, The USA)
6. Ir. Mukhlis Bahraiy (CEO Pachira Group, Indonesia)

7. Prof. Dr. Ilkay Sensoy (Middle East Technical University, Turkey)
8. Prof. Dr. Hiroki OUE (Ehime University, Japan)

This conference is supported by the Indonesian Agricultural Engineering Association (PERTETA) and the Association of Indonesian Food Technology Experts (PATPI).

UICAT is expected to be a great forum for academics, researchers, practitioners, and the general public in disseminating studies and exchanging information.

The activity was attended by approximately 500 participants and went smoothly until 16.00 WITA.

source: www.unhas.ac.id

FACULTY OF AGRICULTURE UNHAS HOLDS WEBINAR SERIES DISCUSSING PHYLOGENOMICS AND MOLECULAR DATA



The Faculty of Agriculture, Hasanuddin University held a public lecture at the Webinar Series 4 with the theme “A Brief Introduction to Phylogenomics and Molecular Dating”.

The source person who attended this activity was Professor Simon Ho (Professor of Molecular Evolution, School of Life and Environmental Sciences, University of Sydney).

This activity was opened by the Vice-Chancellor for Research, Innovation, and Partnership of Unhas, Prof. dr. Nasrum Massi, Ph.D., Sp.MK, and said that this webinar could support further collaborative research between the academic community of the faculty of agriculture and international partners, especially with source persons.

Professor Simon Ho explains the basics of Molecular Ecology, Evolution, and Phylogenetics. A phylogenetic tree is a diagram showing the

evolutionary relationships between various biological species or other bodies based on similarities and differences in their physical or genetic characteristics. In addition, he also explained about ‘the molecular clock’, which is a molecular evolutionary clock that was proposed in the 1960s and has undergone considerable evolution.

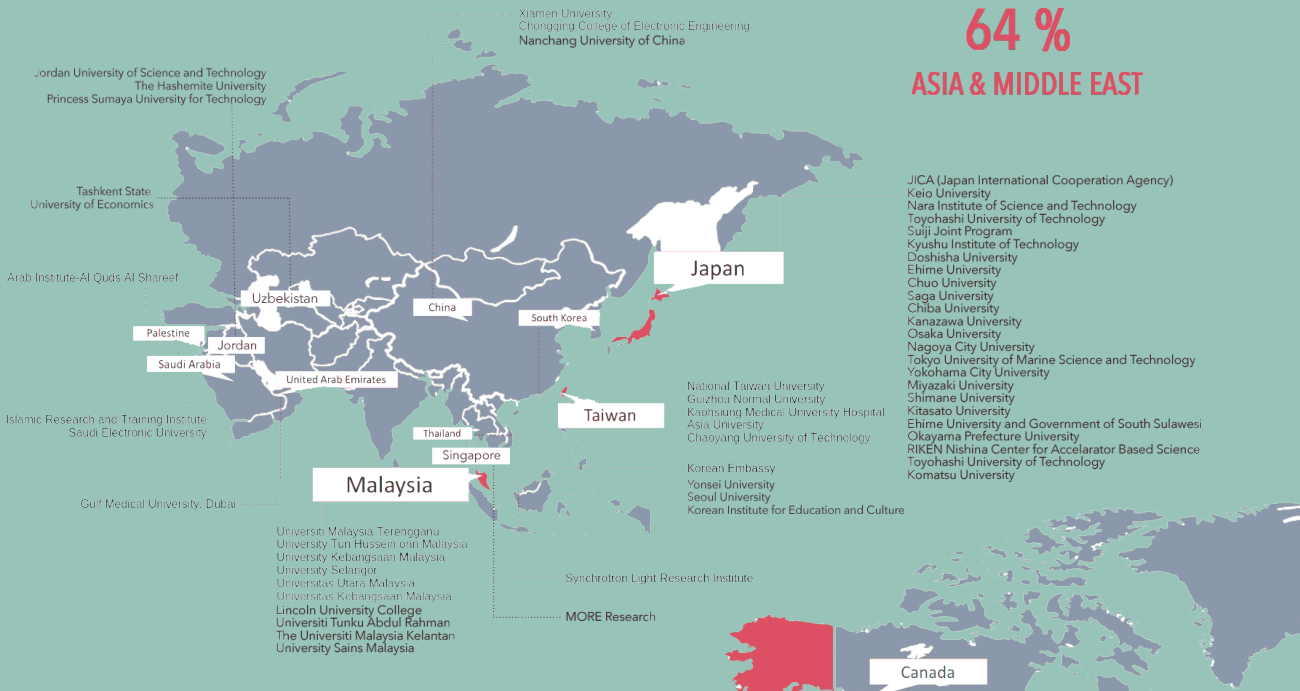
After the presentation of the material, the activity continued with a discussion session guided by Dr. Muhammad Junaid SP, MP., as a lecturer at the Faculty of Agriculture, Hasanuddin University.

source: www.unhas.ac.id

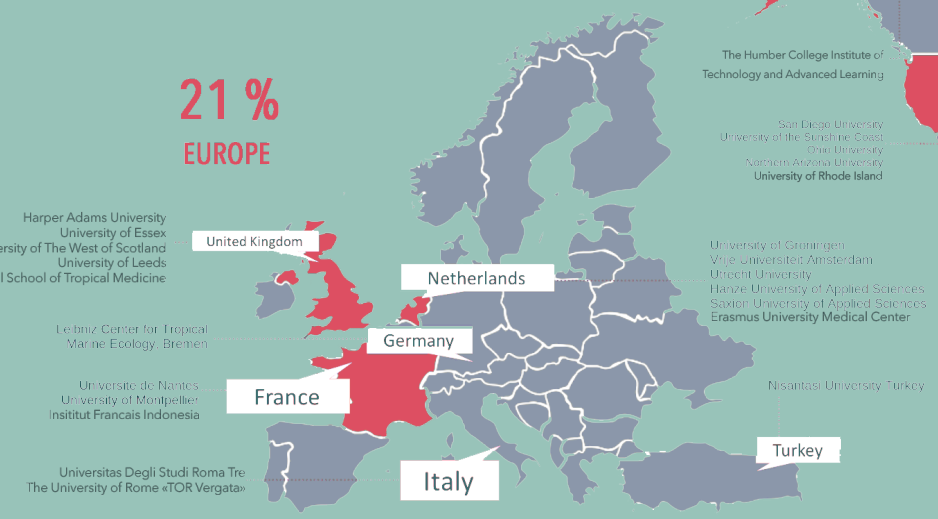
ACTIVE PARTNERSHIP as of February 2021

64 %

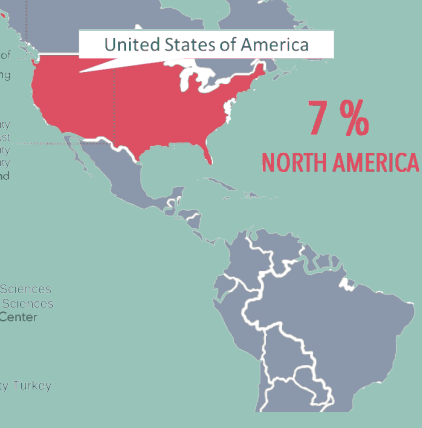
ASIA & MIDDLE EAST



21 %
EUROPE



7 %
NORTH AMERICA



8 %
AUSTRALIAN CONTINENT



Universitas Hasanuddin currently has 85 active international partnerships comprising of Universities and Research Institutes, spread among the 4 continents.

We strive to give the best quality of education, as we continuously engage to establish cooperation through the exchanges of students, staff, academics, as well as conduct joint research and conferences.

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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-  www.unhas.ac.id
-  Universitas Hasanuddin
-  info@unhas.ac.id
- internationaloffice@unhas.ac.id

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