



## UNHAS LAUNCHES E-MAGIC UH1, AEROSOL CLEANING DEVICE TO OVERCOME COVID-19

Universitas Hasanuddin (Unhas) with a collaboration of the Faculty of Dentistry and the Faculty of Engineering which also involved some of Unhas students produced a health technology innovation called EHMIC (Extraoral Mobile Aerosol Guide Channel) UH1-version. The prototype of this device was introduced by the team of the two faculties to the Rector of Universitas Hasanuddin and management, Tuesday (9/6).

This innovative product is based on the conditions faced by medical staff, especially in the field of dental health. When dentists treat patients in a clinic or hospital, the threat faced is the emergence of aerosols from patients. This aerosol has the potential to contain bacteria and viruses. In the current COVID-19 pandemic situation, the threat of medical safety when treating dental patients is greater. Aerosol production by patients has the potential to contain dangerous viruses. Especially if the patient is Asymptomatic or a carrier of the Covid-19 virus.

Conceptually, E-Magic functions to absorb aerosol waste, saliva splash, and blood under the scope of dentistry. This tool applies a four-layer

er disinfection method, namely: HEPA 10, HEPA 12, UV-C, and HEPA 12. When ignited, aerosols produced and derived from the patient's mouth will be suctioned then entered through the house. Aerosol will be taken to the cleaning room that will go through a gradual cleaning process that is the separation of viruses and bacteria through a HEPA filter (twice), then sterilized with a UV-C lamp.

The air and aerosols coming out of the cleaning room are sterile, but to ensure the air sterility, the air that passes through the exit gate is filtered again with a HEPA filter. With this four-layer process, the air

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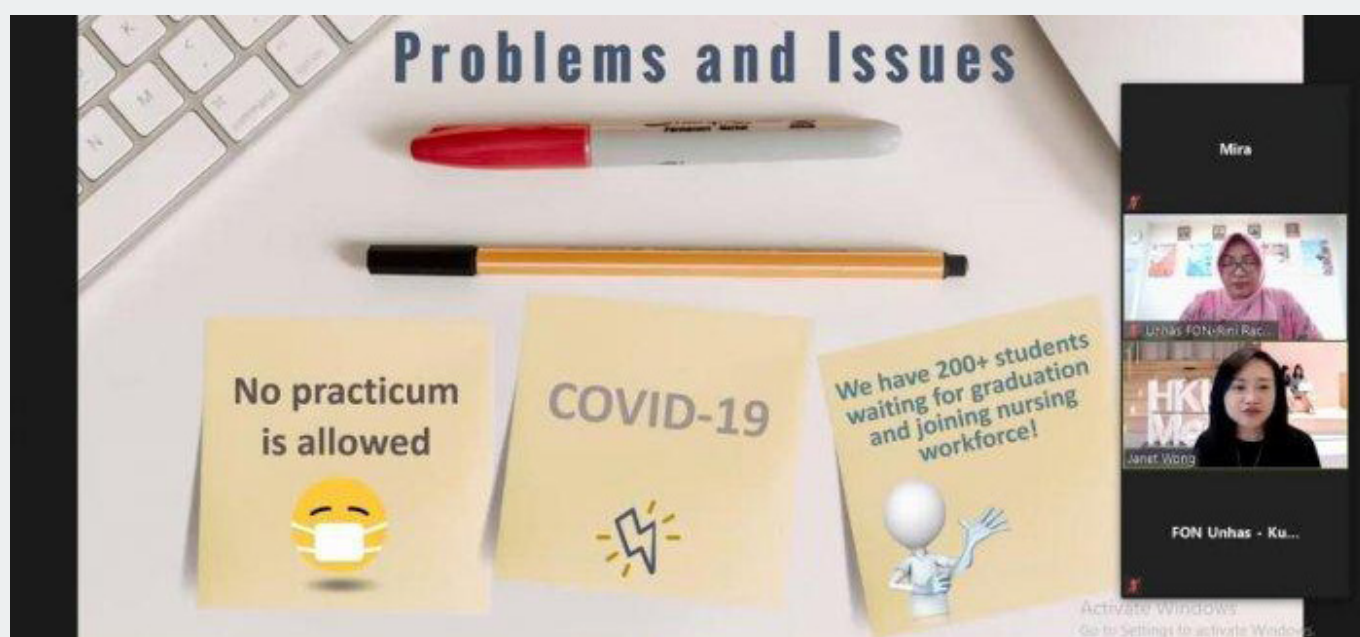
that comes out is clean from viruses and bacteria. One of the advantages of this E-Magic is the HEPA filter used is washable, so there is no need to buy or replace a new filter.

Muh. Ansar, ST., MS.c., Ph. D as the team leader explained that the Faculty of Engineering and Faculty of Dentistry took the initiative to make a device that could absorb aerosol waste, kill bacteria and viruses, then

process it back into clean air. They hope that this device can be utilized by medical personnel, clinics, and hospitals that provide dental health services. Rector of Universitas Hasanuddin, Prof. Dwia, also hopes that this product can be more developed so it could be more perfect to be distributed to those in need, especially hospitals and dental clinics.

source: [www.unhas.ac.id](http://www.unhas.ac.id)

## FACULTY OF NURSING WEBINAR DISCUSS LEARNING CHALLENGES STRATEGIES DURING THE COVID-19 PANDEMIC



The Faculty of Nursing of Universitas Hasanuddin held an International Webinar with the theme “Challenges, Barriers, and Strategies in Delivering Teaching and Learning at Nursing School During The COVID -19 Pandemic”. The activity was carried out online through the zoom meeting application and live streaming on the Hasanuddin University Nursing Faculty Youtube Channel.

The event was attended by several invited speakers, including the Head of Nursing and Dean of the NSW

Association, University of Tasmania, Australia, Prof. Karen Francis; Associate Professor of the School of Nursing at the University of Hong Kong, Janet Yuen-Ha Wong; Head of the Nursing Department of the Faculty of Medicine, University of Malaya, Malaysia, Chong Mei Chan, Ph.D.; Doctoral Candidate and Teaching Assistant to the Department of Nursing Psychology, University of California, San Francisco, USA, Sukardi Suba, MS, RN, ACCNS-AG; Vice Dean for Academic Affairs at the Faculty of Nursing,

Hasanuddin University, Rini Rachmawaty, BSN, MN., Ph.D.; Head of Nursing Study Program, Faculty of Medicine, Public Health and Nursing Sciences, UGM, Haryani, BSN, M. Sc., Ph.D.; and Assistant Professor, King Abdul Aziz University, Saudi Arabia, Eve Mohammad Alabdulaziz, Ph. D.

The activity began with an opening speech by the Dean of the Faculty of Nursing of Universitas Hasanuddin, Dr. Ariyanti Saleh, S. Kp., M.Si. This webinar not only attended by nursing lecturers but also by other health professionals lecturers. This

webinar gave many insights on how to maintain the quality of learning and education in nursing school during the COVID 19 pandemic. This webinar also discussed the impact of COVID-19 pandemic on nursing education, virtual clinical simulation during the COVID 19 pandemic, and what can be done by the nursing academics to ensure skill development for students during a pandemic.

*source: [www.makassar.tribunnews.com](http://www.makassar.tribunnews.com)*

## UNHAS WILL OPEN INTERNATIONAL CLASSES FOR 2020/2021 ACADEMIC YEAR



Universitas Hasanuddin will open programs for international class 2020/2021 Academic Year. Eleven study programs that open for the international class are Public Health, Accounting, Civil Engineering, International Relations, Geology Engineering, Marine Science, Medicine, Dentistry, Law, Architecture Engineering, and Management.

Dr. Ida Leida, SKM., M.KM as Director of Education in Unhas explained that the benefits & excellencies of being international students are they will study with Bahasa & English (bilingual), & by this, the students will get the atmosphere of learning in abroad.

In international classes, some of the lecturers are from abroad, so not only Indonesian lecturers will give a lecture in the class. The international students can also choose to graduate with a single or double degree, based on their program. Also, the facilities of the International Classes are very different from the regular class. The registration of the international classes will be open from 26 June 2020 until 6 July 2020.

*source: [www.unhas.ac.id](http://www.unhas.ac.id)*



## 1,049 PARTICIPANTS ATTENDED UNHAS INTERNATIONAL CONFERENCE



Universitas Hasanuddin held “The Second International Conference of Interdisciplinary Research on Green Environment Approach for Sustainable Development (ICROEST) 2020”. Through the Unhas Publication Management Center (PMC), this conference took place on June 24-25, 2020, virtually through the zoom meeting application with the theme “Technological Enhancement in Achieving Sustainable Development Goals through Environmental Approach”.

Muh. Arsyad, Ph.D. as the PMC Director said that this conference was held to strengthen the role of Unhas in finding a multidisciplinary approach in dealing with the problem of achieving Sustainable Development Goals, including in facing the socio-economic environmental impact of COVID - 19 Pandemic.

This conference involved the Rector of Unhas, Prof. Dr. Dwia Pulubuhu, MA. as Keynote Speaker, & several invited speakers included Prof. Yoshio Kawamura (President, Kyoto Prefectural College of Agricultural, Japan),

Guo Jhong - Moh (Leader of the Taiwan Technical Mission in the Republic of Indonesia International Cooperation & Development Fund), NA Bahmid (Wageningen University & Research, The Netherlands), and A Saarrankan (Director of the Department of Fiscal Policy Ministry of Finance, Sri Lanka) and 1,049 participants consisting of 425 presenters & 689 non-presenter participants. These papers will be published in Scopus indexed journals & proceedings. As many as 88.3% of the paper came from Unhas affiliates, the rest from various countries including Japan, the Netherlands, Ethiopia, Zambia, China, Sri Lanka, Taiwan, & domestic partner universities of various universities.

Prof. Dwia delivered the presentation with the theme of “Building Social Capital to Encounter COVID - 19 Pandemic”. Social Capital is a concept that members of the community may not individually overcome the various problems encountered.

source: [www.unhas.ac.id](http://www.unhas.ac.id)

## MEDICAL FACULTY HELD AN INTERNATIONAL WEBINAR ON MANAGEMENT OF COVID-19 PATIENTS IN JAPAN AND INDONESIA



Medical Faculty of Universitas Hasanuddin held an International Webinar on “Management of Covid-19 patients in Japan and Indonesia”. The webinar was attended by more than 300 participants and was conducted through the Zoom application on Thursday, 4th of June 2020.

In her welcome remarks, the Rector of Unhas, Prof. Dr. Dwia Aries Tina Pulubuhu, MA., stated her gratitude for the source person regarding their spirit in sharing knowledge to improve the understanding of Covid-19”. She was also said that “the pandemic is not only caused a crisis in the health sector, but it also affects all sectors in human life. It has slowed down the economy, both regionally and globally with a massive and significant effect. Therefore, we need to make several adjustments in facing the Covid-19 pandemic”

The Webinar was officially opened by the Governor of South Sulawesi Province; Prof. Dr. Ir. H. M. Nurdin Abdullah, M. Agr. He explained how the high qualified science and technology in health assessment in Japan are needed in Indonesia specifically during the

Covid-19 Pandemic. “The collaboration between Japan and the Indonesian government, especially South Sulawesi Province, has been established since I was assigned as the Mayor of Bantaeng District. Therefore, I hope the cooperation will be more closely, especially in the health sector”, explained Prof. Nurdin Abdullah.

There were six source persons in the meeting namely: Mafumi Okimoto MD.; Prof. Dr. Budu, Ph.D., Sp. M (K), M.Med.Ed.; Prof. Ohge Hiroki, MD., Ph.D.; Prof. Dr. Mansyur Arief, Ph.D., Sp.PK(K), Prof. Nobuaki Shime, MD., Ph.D., and Prof. Dr. dr. Syafri Kamsul Arief. Mafumi Okimoto MD delivered a speech on the successful management of Covid-19 Clusters in Hiroshima. He explained that the Japan government strategy on Covid-19 was focused on the cluster-based approach and the characteristics determined from the form of transmission.

source: [www.makassar.tribunnews.com](http://www.makassar.tribunnews.com)

## INTERNATIONAL PUBLIC LECTURE ORGANIZED BY FACULTY OF PHARMACY UNHAS DISCUSSES ABOUT FRUIT FLY (*DROSOPHILA MELANOGASTER*) AND PARASITE INTERACTION



Faculty of Pharmacy of UNHAS organized the third webinar series with a theme “trypanosomatid parasites and insect immunity”. This activity presented Prof. Petros Ligoxygakis (Dept. of Biochemistry, University of Oxford). The webinar series was attended by approximately 200 participants which took place virtually through the zoom meeting application & live streaming on the Faculty of Pharmacy Unhas Youtube Channel, Tuesday (6/23).

The webinar was officially opened by the Vice Dean for Student Affairs and Alumni of Faculty of Pharmacy, Universitas Hasanuddin, Yulia Yusrini Djabir, Ph.D., Apt. In this webinar, Prof. Petros presented his research conducted using fruit flies and the model organism of *drosophila melanogaster* to study the trypanosomatid parasite that can infect its host & what will happen to the host when the infection occurs.

source: [www.unhas.ac.id](http://www.unhas.ac.id)

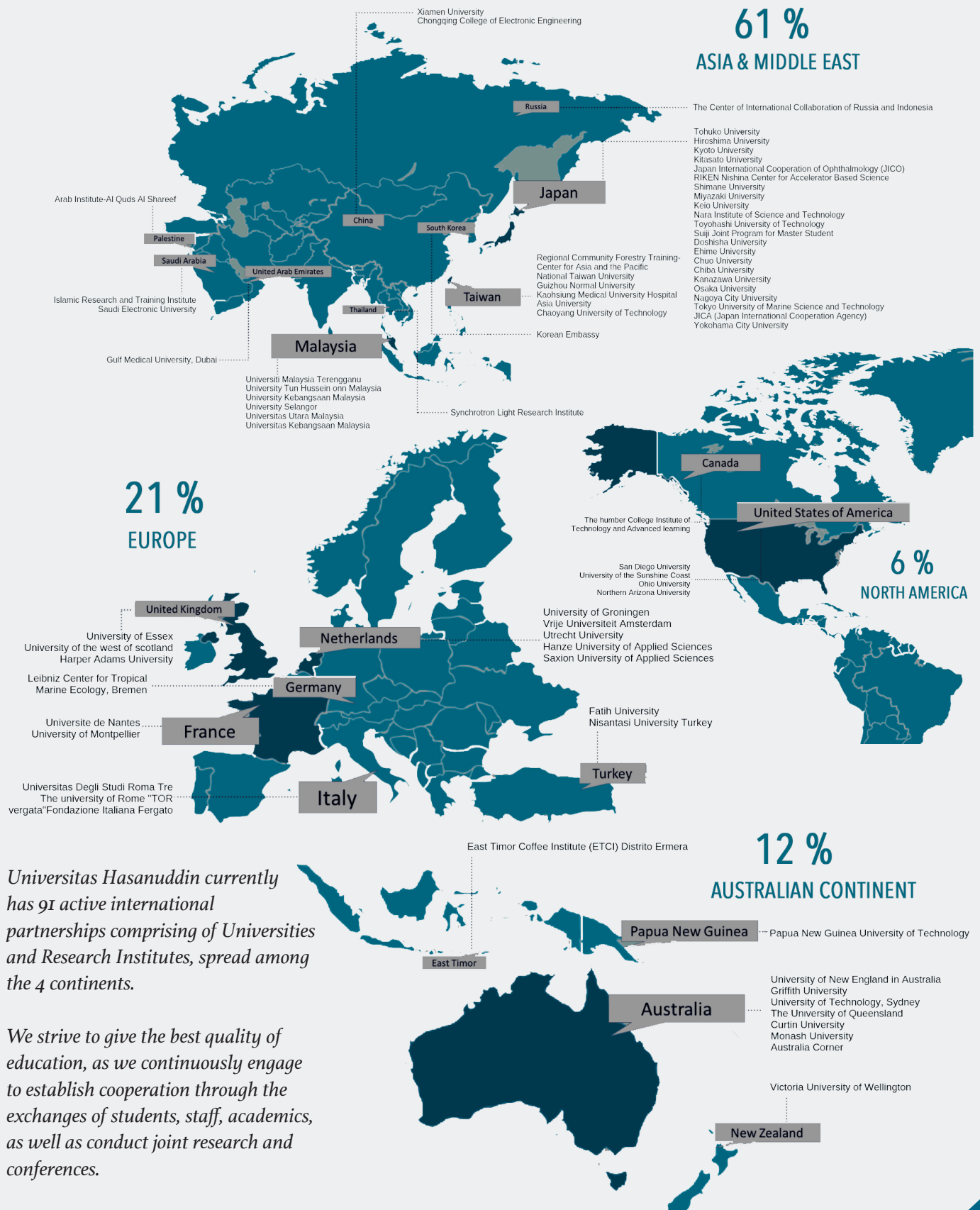
### UNHAS UPDATE TEAM

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

Muhammad Nasrum Massi  
Nur Arifah  
Muhammad Sabranjamil Alhaqqi  
Marningsih  
Khaerunnisa Muhiro  
Muhammad Imam Wahyuddin  
Zefanya Elsabat



## ACTIVE PARTNERSHIP as of March 2020



## 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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