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HASANUDDIN UNIVERSITY DENTAL STUDENTS GAIN CLINICAL AND RESEARCH EXPERIENCE AT NIIGATA UNIVERSITY



Two students from the Faculty of Dentistry, Hasanuddin University (UNHAS) are expanding their academic and clinical perspectives through an international Enrichment Program at Niigata University, Japan, running from 16 August to 4 September 2026. Jauhara Khairunnisa and Dhea Ayu Puan Maharani are participating in a multidisciplinary program, combines lectures, clinical observation, laboratory exposure, practical training, industry engagement, and cultural exchange. The experience places the UNHAS students in an international learning environment alongside dental students from universities across Asia and Europe.

The Indonesian delegation includes two students from UNHAS, three from the University of Indonesia, and four from Airlangga University. International participants also represent Universiti Kebangsaan Malaysia, National Yang Ming Chiao Tung University (NYCU), Carol Davila University of Medicine and Pharmacy, and Malmö University, creating opportunities to exchange perspectives on dental education and student experiences across different academic systems as well as connecting Dental Science with Research and Clinical Practice.

Throughout the program, participants attend lectures by academics and clinicians from Niigata University covering areas including Oral and Maxillofacial Surgery, Oral Health and Welfare, Oral Pathology, Periodontology, Oral Biochemistry, and Tissue Regeneration Engineering. Then, a visit to the Tissue Regeneration Engineering Laboratory led by Prof. Izumi gives participants insight into research in tissue regeneration and demonstrates how scientific investigation and innovation contribute to advances in dentistry.

The students also visit GC, a dental materials and equipment company, where they gain an industry perspective on the development of dental products and technologies and their connection with research and clinical practice. Practical learning forms another important part of the program. Participants undertake a dental caries removal simulation, allowing them to apply their knowledge in a controlled training environment. During a Dental Radiology practical session with Prof. Hayashi, they further explore dental imaging and its role in supporting clinical assessment and diagnosis.

Clinical exposure extends to Niigata University's hospital environment, where participants observe Oral and Maxillofacial Surgery cases and receive explanations of the procedures involved. These include the management of an impacted anterior tooth and surgical procedures involving osteotomy and odontectomy in the maxillary and mandibular regions. Rather than learning solely through lectures, these observations allow participants to connect theoretical knowledge with clinical decision-making and gain a closer understanding of patient management in a university hospital setting.



A hospital tour further introduces the students to departments including Pediatric Dentistry, Orthodontics, Prosthodontics, and General Dentistry, providing a broader view of how patient care, professional education and specialized dental services are integrated within the academic clinical environment. Building Connections Beyond the Classroom, the program also creates opportunities for international and professional networking. On 17 August participants visited Hakusan Park with Indonesian doctors currently pursuing doctoral studies in Japan. Coinciding with Indonesia's Independence Day, the gathering provided an opportunity to celebrate the occasion with members of the Indonesian academic community in Niigata. Interactions among participants continue beyond formal academic sessions, including a gathering at Bandai Food Hall, where students from different countries shared experiences and strengthened connections in a more informal setting.

The international experience is further complemented by engagement with Japanese culture. Participants attended the Meiwa Gijin Festival 2026, where they experienced local performances, community activities, food stalls, musical presentations, and a large-scale parade. The exposure to these community traditions offers another dimension to the mobility experience, allowing the students to better understand everyday life and cultural practices in Japan while studying within its academic environment.

Through the activities completed so far, the Enrichment Program has given Jauhara and Dhea opportunities to experience dentistry from multiple perspectives—from laboratory research and clinical observation to simulation-based training, industry exposure, and international academic exchange. Their participation also forms part of the Faculty of Dentistry's broader 2026 Enrichment Program, through which UNHAS has prepared students for academic experiences at partner universities across Asia. Niigata University is among the international institutions hosting UNHAS dental students this year.

For both UNHAS students, the program offers more than international mobility. It provides an opportunity to learn within a different educational and clinical environment, develop intercultural competencies and build connections with students and academics from Indonesia and other countries—experiences that can contribute to their development as future dental professionals with a broader international perspective.



FROM PLANT COLORS TO FOOD COLORANTS: HASANUDDIN UNIVERSITY HOSTS TU WIEN EXPERT



Visiting researcher Prof. Heidi Halbwirth (TU Wien, Austria) delivered a public lecture on “Anthocyanin as a Natural Pigment” at Hasanuddin University (UNHAS) on 27 August 2026, exploring the potential of plant-based pigments in food applications. Held at Lecture Theatre 6 of the Faculty of Agricultural Technology (FATETA), the lecture was organized by the Agricultural Engineering Study Program and introduced students and academics to the chemistry behind anthocyanins, the compounds responsible for many of the red, purple, and blue colors found naturally in plants.

Drawing on phytochemical and biochemical perspectives, Prof. Halbwirth explained how anthocyanin structure influences color formation, absorption characteristics, and potential applications as natural pigments. Variations among anthocyanidins—including cyanidin, pelargonidin, delphinidin, petunidin, and malvidin—can produce different color characteristics, while interactions with copigments and metal ions can further influence pigment formation.

From Natural Sources to Food Applications. The lecture connected fundamental plant chemistry with practical applications in the food industry. Anthocyanins are used as the food colorant E163 in products such as beverages, confectionery, desserts, ice cream, fruit preparations, and jams. Prof. Halbwirth introduced a range of natural anthocyanin sources, including grape skins, blackcurrants, purple corn, red cabbage, black carrots, purple sweet potatoes, elderberries, hibiscus, and butterfly pea flowers.

While these natural sources offer considerable potential as alternatives to synthetic colorants, their application also presents challenges, particularly in maintaining pigment stability and managing changes caused by different pH conditions. One example highlighted during the lecture was butterfly pea (*Clitoria ternatea*), whose highly acylated anthocyanins offer relatively strong color stability. Its distinctive pigment chemistry illustrates how the molecular characteristics of plant-based compounds can determine their suitability for different food applications. By connecting molecular science with real-world food products, the lecture gave students a broader understanding of how research in phytochemistry and biochemistry can contribute to innovation in food processing and the development of natural ingredients.

Strengthening UNHAS-TU Wien Research Collaboration. The public lecture forms part of Prof. Halbwirth's visiting research program at UNHAS from August 19 to September 2, 2026, conducted within the continuing academic collaboration between UNHAS and TU Wien and supported by ASEA-UNINET.

During her stay, Prof. Halbwirth has engaged with the UNHAS academic and research community, creating opportunities for knowledge exchange and closer interaction between researchers from the two institutions. The visit also builds on previous academic engagement between UNHAS and TU Wien in agricultural engineering and natural product research. For UNHAS, the visiting research program provides a platform to strengthen international research networks, expose students and academics to global scientific perspectives, and develop opportunities for further collaboration between researchers in Indonesia and Austria.



EXPLORE FUTURE OF MEDICAL DECISION SCIENCE: HASANUDDIN UNIVERSITY BRINGS TAIWAN EXPERTS TOGETHER



As artificial intelligence and data-driven technologies reshape healthcare, Hasanuddin University (UNHAS) brought together academics from Taiwan to explore how emerging tools such as digital twins and world models could support medical decision-making and hospital management. The Hospital Administration Study Program at the Faculty of Public Health hosted the international guest lecture, "Frontiers of Medical Decision Science: Research Trends in Digital Twins and World Models," on 26 August 2026, at the Faculty of Public Health in Makassar.

The session featured Prof. Dr. Chi-Chang Chang, Professor in the Department of Medical Informatics at Chung Shan Medical University, Taiwan and President of the Society for Asia Medical Decision Science (SAMDS). He was accompanied by Prof. Hsi-Chieh Lee of National Quemoy University, Associate Prof. Ting-Ying Chien of Yuan Ze University, and Heng-Jui Liu. Chung Shan Medical University lists Prof. Chang's research interests in areas including clinical decision analysis and shared medical decision-making, while SAMDS confirms his presidency for 2026–2030.

In his lecture, Prof. Chang discussed the evolving field of medical decision science, with particular attention to digital twins and world models. These approaches offer possibilities for modeling and analyzing different scenarios before decisions are implemented in real healthcare settings. Their relevance is growing alongside the expanding use of healthcare data, artificial intelligence and digital systems across clinical services and hospital management. Rather than viewing these technologies solely as technical tools, the lecture encouraged participants to consider how they could contribute to more systematic and evidence-informed decision-making.

“The development of digital twins and world models opens new opportunities in medical decision science,” Prof. Chang said. “These technologies allow us to understand different possible health scenarios through simulation and data-based analysis, enabling decisions to be made in a more measured and precise way.” Prof. Chang also emphasized that technological sophistication alone is not enough to guarantee meaningful improvements in healthcare. Data quality, model validity, information security, ethical considerations, organizational preparedness, and human-resource capacity all play critical roles in determining whether digital technologies can be applied responsibly and effectively.

For students of Hospital Administration, the discussion offered a broader perspective on healthcare transformation. It demonstrated that digital innovation is not only about adopting new technologies, but also about understanding how those technologies can support clinical services, hospital governance, resource management, and organizational decision-making. Expanding Academic Links with Taiwan, The guest lecture also created opportunities for UNHAS academics and students to closely engage with scholars from several Taiwanese institutions.



In his opening remarks, Ansariadi, SKM., M.Sc.PH., Ph.D., the dean of Faculty of Public Health highlighted the potential for the visit to lead to wider collaboration with universities in Taiwan and to support the study program in responding to emerging developments in the field. The participation of scholars from Chung Shan Medical University, National Quemoy University, and Yuan Ze University added an international dimension to the discussion while opening possibilities for further academic networking, knowledge exchange, and institutional collaboration. National Quemoy University lists Prof. Hsi-Chieh Lee's expertise in areas including artificial intelligence and biomedical informatics, reflecting the interdisciplinary character of the forum.

Through the guest lecture, UNHAS provided students and academics with direct exposure to emerging conversations at the intersection of healthcare, artificial intelligence, data science, and management. The initiative also supports the university's broader efforts to strengthen international academic engagement while preparing future health professionals and hospital administrators to respond to increasingly data-driven healthcare systems.



DUTCH EMBASSY AND HASANUDDIN UNIVERSITY EXPLORE MULTILATERAL PARTNERSHIPS IN TURBULENT TIMES



Hasanuddin University (UNHAS) and the Embassy of the Kingdom of the Netherlands in Indonesia brought global diplomacy into focus through a public lecture examining how Indonesia, the Netherlands, and the European Union can maintain stable and reliable partnerships amid growing geopolitical uncertainty. The lecture, “Indonesia, the Netherlands and the EU: Stable, Reliable and Predictable Partnerships in Turbulent Times,” was held at the Arsjad Rasjid Lecture Theater, UNHAS, on 19 August 2026, featuring Adriaan Palm, Deputy Head of Mission at the Embassy of the Kingdom of the Netherlands in Jakarta, as the keynote speaker.

The discussion addressed how international diplomacy and multilateral cooperation are evolving in response to global challenges, ranging from the long-term impacts of the COVID-19 pandemic to geopolitical tensions, technological change, and increasingly complex relations among countries. Opening the event, Rakhmat Nurul Prima Nugraha, S.E., M.Sc., Head of the Subdirector for Information Management and Monitoring at UNHAS, emphasized the importance of strong and adaptive partnerships in responding to an increasingly uncertain international environment.

For UNHAS academic community, he noted that understanding these global developments is important not only for broadening international perspectives but also for strengthening preparedness to navigate future challenges. Diplomacy in a Changing Global Environment. In his lecture, Palm reflected on how the practice of diplomacy has changed since the 1990s. Advances in information technology and the rise of social media, he explained, have transformed diplomacy from a process that traditionally took place largely behind closed doors into one that increasingly unfolds in public and requires faster responses from governments and institutions.

At the same time, he cautioned that the demand for pragmatic and rapid responses should not come at the expense of established principles of international law. Palm also emphasized the need to revitalize multilateral systems so they remain capable of bridging different national interests and responding effectively to contemporary global challenges. "The key is to build bridges for dialogue between the Global North and South, as well as West and East," Palm said. "We need to consistently strengthen cooperation in areas where we share common interests."

His remarks highlighted dialogue and gradual confidence-building as important foundations for international cooperation, particularly at a time when geopolitical competition can make consensus among countries increasingly difficult. Bringing Global Diplomacy into the University, the lecture continued with an interactive discussion and question-and-answer session, allowing UNHAS students and academics to engage directly with Palm on international relations, diplomacy, and the future of multilateral cooperation.

Beyond providing insight into current geopolitical developments, the forum connected the university community with diplomatic perspectives on how countries and regional institutions can sustain cooperation amid political and economic uncertainty. Additionally the engagement also contributes to UNHAS's broader internationalization efforts by strengthening interaction with diplomatic partners and creating opportunities for its academic community to engage with contemporary global issues beyond the classroom. Through the dialogue with the Embassy of the Kingdom of the Netherlands, UNHAS continues to expand its international networks while providing students and academics with greater exposure to discussions shaping diplomacy, multilateralism, and international cooperation today.



HASANUDDIN UNIVERSITY AND KANAZAWA UNIVERSITY LAUNCH COLLABORATION HUB TO DEEPEN ACADEMIC PARTNERSHIP



Hasanuddin University (UNHAS) and Kanazawa University, Japan, have elevated their academic partnership by launching the UNHAS-Kanazawa Collaboration Hub. This dedicated platform is designed to boost joint research, scientific publications, and student mobility. The Hub was officially launched at the UNHAS Institute for Research and Community Service (LPPM) on 28 August 2026, alongside the signing of a Memorandum of Understanding (MoU) between the two universities.

Unlike collaboration platforms that operate solely online, the UNHAS-Kanazawa Collaboration Hub combines virtual engagement with a dedicated physical space on the second floor of the LPPM building. The facility will provide information on existing cooperation between the two institutions while serving as an access point for academics, students, and others interested in developing new joint initiatives. UNHAS Rector Prof. Dr. Ir. Jamaluddin Jompa, M.Sc. described the visit of Kanazawa University President Prof. Takashi Wada, M.D., Ph.D. as a significant moment in the relationship between the two institutions, marking Wada's first visit to Indonesia and UNHAS.

“Through this Hub, we hope to create more programs that lead to productive joint publications, student exchanges, and various other forms of academic collaboration,” said Prof. Jamaluddin. Creating a Home for Joint Academic Initiatives. The Collaboration Hub is designed not only to serve as a symbolic representation of the partnership but also as a practical space where new ideas and collaborative projects can be developed.

The physical office will serve as a resource center for ongoing UNHAS–Kanazawa initiatives and future partnerships, making collaborative opportunities highly visible and accessible to the university community. According to Prof. Jamaluddin, the space is open to those interested in learning about the partnership and exploring possibilities for joint projects between the two universities. This initiative builds on an established academic relationship that has already included student exchange, research collaboration, and academic activities between UNHAS and Kanazawa University. Earlier in 2026, for example, the UNHAS Faculty of Nursing and Kanazawa University's School of Health Sciences agreed to continue student exchanges while expanding research collaboration and guest lectures.

Expanding research and student connections, Kanazawa University President Prof. Takashi Wada welcomed the establishment of the Hub as an important step in expanding the university's international connections and strengthening its relationship with UNHAS. “We would like to expand our friendship and research activities with one another, including through our students,” said Prof. Wada. “We strongly believe that this collaboration will deepen our friendship and cooperation in the future.”



Kanazawa University's official institutional information confirms Prof. Wada as their current President emphasizes the university's commitment to developing globally engaged graduates and strengthening international research. Student engagement was also an important part of the launch. Students from Kanazawa University joined their UNHAS counterparts during the activities in Makassar, providing opportunities for interaction between young people from Indonesia and Japan. For UNHAS, these student-to-student connections are an important dimension of international cooperation. Beyond formal institutional agreements, direct interaction among students can help build intercultural understanding, academic networks, and relationships that support future mobility and collaborative activities.

The establishment of the UNHAS–Kanazawa Collaboration Hub marks a further step toward making the partnership more structured, accessible, and sustainable. By providing a permanent platform for researchers, students, and academic units to identify opportunities and develop joint initiatives, the Hub is expected to help translate institutional cooperation into more research, publications, mobility programs, and academic projects between Indonesia and Japan.



HASANUDDIN UNIVERSITY STRENGTHENS KANAZAWA PARTNERSHIP THROUGH 2026 SUMMER PROGRAM



Hasanuddin University (UNHAS) and Kanazawa University, Japan, are strengthening their long-standing academic partnership through the UNHAS-KU Summer Program 2026, bringing students from both institutions together for academic engagement, cultural exchange, and international networking. Organized by the Directorate of Internationalization at UNHAS, the program brings together 20 students from Kanazawa University and UNHAS. The participants represent diverse academic and cultural backgrounds, including international UNHAS students from Somalia, Iraq, Pakistan, Nigeria, and Bangladesh.

Through the program, students take part in a combination of academic activities and cultural experiences designed to broaden their perspectives on Indonesia while strengthening interaction between the two university communities. The summer program also provides a platform for students to build academic and personal connections across national and cultural boundaries, supporting wider student mobility and international engagement between UNHAS and Kanazawa University.

UNHAS Vice Rector for Partnership, Internationalization, and Alumni Affairs, Prof. Ir. Suharman Hamzah, S.T., M.T., Ph.D., Eng., HSE Cert., said the relationship between the two universities has continued to develop through a range of international programs. “The collaboration between Hasanuddin University and Kanazawa University has been established for quite some time. This is the second year that we have conducted the summer course and student exchange programs, said Prof. Suharman

The program reflects the universities’ continuing efforts to move beyond formal institutional cooperation by creating direct opportunities for students to study, interact, and learn together. Student mobility remains one of the central pillars of the partnership, while both institutions continue to explore broader academic collaboration and new opportunities for international engagement. Expanding Access to Opportunities in Japan. As part of its efforts to deepen engagement with Japanese partners, UNHAS is also developing a hub or information center on campus that will provide students and academics with information on educational opportunities in Japan.

The center is expected to serve as a gateway to opportunities including short courses, summer programs, student exchanges, and further study, making information on academic pathways in Japan more accessible to the UNHAS community. The initiative complements the UNHAS-KU Summer Program by creating a more permanent platform for students who are interested in future academic experiences with Japanese institutions.

Through the UNHAS-KU Summer Program 2026, UNHAS and Kanazawa University continue to expand a partnership centered on student mobility, cross-cultural learning, and academic exchange. The program also provides a foundation for broader collaboration in research, education, and other joint initiatives between Indonesia and Japan.





SUMMER PROGRAM OPENS NEW CLIMATE RESEARCH OPPORTUNITIES FOR HASANUDDIN UNIVERSITY AND HIROSHIMA UNIVERSITY



Hasanuddin University (UNHAS) and Hiroshima University, Japan, are exploring deeper research collaboration in blue carbon and climate change, building on a long-standing academic partnership that continues to expand through student mobility and the UNHAS–HU Summer Program 2026. Organized by the Directorate of Internationalization at UNHAS, the program brings together 23 undergraduate and graduate students from Hiroshima University and UNHAS, including international students studying at UNHAS.

Designed as a platform for academic and cultural exchange, the summer program gives participants opportunities to learn beyond the classroom while engaging with the communities, culture, coastal environments, and ecosystems of South Sulawesi. The program also provides a foundation for the two universities to identify new areas of cooperation, particularly research addressing environmental challenges shared by Indonesia, Japan, and the wider region.

UNHAS Vice Rector for Partnership, Internationalization, and Alumni Affairs, Prof. Ir. Suharman Hamzah, S.T., M.T., Ph.D., Eng., HSE Cert., highlighted the established relationship between the two universities, which has continued to develop through summer programs, student exchanges, and other forms of academic cooperation.

The partnership also enables UNHAS students to gain international academic experience at Hiroshima University, extending the relationship beyond programs hosted in Indonesia and creating two-way opportunities for student mobility. Looking ahead, Associate Professor Masayuki Kondo of The IDEC Institute, Hiroshima University, identified blue carbon and climate change as promising areas for further joint research.

“We hope our collaboration with Hasanuddin University will continue to grow in the future,” Prof. Kondo said. “There are many things we can do together, particularly in academic and research collaboration, including research on blue carbon dynamics and climate change.” His research focuses on climate change, greenhouse gas dynamics, biogeochemistry, and the carbon cycle, areas that have particular relevance to Southeast Asia and its extensive coastal and marine ecosystems.

For UNHAS, with its strong academic and research engagement in marine and coastal environments, these areas offer opportunities to connect international collaboration with research on pressing environmental challenges. Connecting Research, Mobility, and Cultural Exchange. Beyond research, the UNHAS–Hiroshima University partnership continues to emphasize the role of cultural exchange in strengthening relationships between the two university communities.

Through direct interaction with local communities and environments in South Sulawesi, participating students gain perspectives that complement their academic learning while developing greater intercultural understanding between Indonesia and Japan.

The UNHAS–HU Summer Program 2026 therefore represents more than a student mobility initiative. It provides a platform through which academic exchange can generate new connections among students and researchers while opening pathways toward collaborative research on issues with regional and global significance. As the partnership develops, blue carbon, climate change, and related environmental research could become important areas for joint work between UNHAS and Hiroshima University, linking the universities’ internationalization efforts with scientific collaboration on the future of climate resilience and sustainable coastal ecosystems.



FACULTY OF MARINE SCIENCE AND FISHERIES HASANUDDIN UNIVERSITY GUEST LECTURE HIGHLIGHTS MANGROVE AND GREENHOUSE GAS CHALLENGES IN SOUTHEAST ASIA



Hasanuddin University (UNHAS) brought climate science into focus through a guest lecture by Professor Masayuki Kondo of Hiroshima University, Japan, who discussed greenhouse gas dynamics, carbon sources and sinks, and the role of mangrove ecosystems in addressing climate change in Southeast Asia.

Hosted by the Faculty of Marine Science and Fisheries on 26 August 2026, the lecture was held under the theme “Estimating Greenhouse Gas Emissions and Absorption in Mangrove Forests.” The session provided students and academics with insight into how human activities and natural ecosystems interact to shape regional greenhouse gas balances, with particular attention to coastal and mangrove environments.

Prof. Kondo, whose research focuses on climate change, biogeochemistry, carbon cycles, and Southeast Asia, explained that rising atmospheric carbon dioxide (CO₂) concentrations are closely linked to human activities, including fossil fuel consumption, land-use change, forest and peatland fires, and agricultural activities. “Global warming is currently occurring very rapidly compared with changes in the past,” Prof. Kondo said. “This is a serious concern because humans and ecosystems do not have enough time to adapt.”

During the lecture, Prof. Kondo highlighted the important role of terrestrial and marine ecosystems in removing carbon from the atmosphere. Forests, wetlands, oceans, and other natural systems can absorb substantial amounts of CO₂, although increasing emissions from human activities continue to raise overall greenhouse gas concentrations. This issue is particularly relevant to Southeast Asia, where forests, peatlands, mangroves, agricultural landscapes, and marine ecosystems interact with rapid economic development and changing patterns of land use.

Prof. Kondo also introduced the concept of a greenhouse gas budget, an approach that accounts for both greenhouse gas emissions and their removal from the atmosphere. By assessing these different components, researchers can determine whether a particular region functions as a net source, releasing more greenhouse gases than it absorbs, or a net sink, removing more than it emits.

Such assessments are important for identifying major emission sources, evaluating the capacity of natural ecosystems to absorb greenhouse gases, and determining where climate mitigation efforts should be prioritized.

A central focus of the lecture was the role of mangrove forests in the greenhouse gas balance of coastal ecosystems. Mangroves are increasingly important in climate research because they can store substantial amounts of carbon in their vegetation and soils. At the same time, accurately estimating their contribution to climate mitigation requires researchers to understand both greenhouse gas absorption and emissions occurring within these ecosystems.

Prof. Kondo explained how research on mangrove greenhouse gas dynamics can help scientists better understand the contribution of coastal ecosystems to broader carbon budgets. Variations in environmental conditions, ecosystem processes, and land-use pressures can influence whether mangrove areas function as effective carbon sinks.



Understanding these processes is particularly relevant for Indonesia and Southeast Asia, where extensive mangrove ecosystems provide an important setting for studying the relationship between coastal environments, carbon storage, and climate change. Calling for Collaborative Climate Research, Prof. Kondo emphasized that effective climate responses require a comprehensive understanding of greenhouse gas sources and sinks across the region.

“We need to understand all sources and sinks of greenhouse gases comprehensively,” he said. “By doing so, climate change mitigation strategies can be developed more appropriately.”

His call for further research highlights the importance of integrating studies of forests, peatlands, mangroves, oceans, agriculture, and human activities when developing regional greenhouse gas assessments. For UNHAS, the discussion also creates opportunities to connect the university's strengths in marine and coastal research with wider international scientific efforts on carbon cycles and climate change.

The guest lecture reflects the growing academic relationship between UNHAS and Hiroshima University, providing students and researchers with direct access to international expertise while opening opportunities for future collaborative research on mangrove ecosystems, greenhouse gas dynamics, carbon cycles, blue carbon, and climate change in Southeast Asia. Through continued academic exchange, both institutions have the potential to contribute research that strengthens understanding of coastal carbon processes and supports more effective climate mitigation strategies across the region.





HASANUDDIN UNIVERSITY DOCTOR ADVANCES VASCULAR ACCESS EXPERTISE THROUGH FELLOWSHIP IN GREECE



Dr. Achmad Fikry of Hasanuddin University (UNHAS) strengthened his clinical expertise in advanced vascular access through a four-week Advanced Vascular Access Fellowship at the General Hospital of Thessaloniki "G. Papanikolaou" in Thessaloniki, Greece, in August 2026.

Conducted under the supervision of Prof. Orestis Ioannidis, the fellowship focused on developing clinical competencies in the assessment, selection, placement, and management of vascular access devices. The program combined clinical observation with supervised hands-on procedures, allowing Dr. Fikry to gain direct exposure to vascular access practices in an international hospital setting.

Throughout the fellowship, he participated in patient evaluation and clinical decision-making related to the selection of appropriate vascular access. His training included the use of ultrasound guidance and practical experience with several vascular access devices, including peripherally inserted central catheters (PICCs), chemoports, PICC-ports, and central venous catheters (CVCs).

The experience also provided insight into different techniques for venous access placement and management, connecting procedural skills with broader considerations in patient care. Learning Beyond the Procedure. Beyond technical training, the fellowship introduced Dr. Fikry to a more comprehensive and multidisciplinary approach to vascular access management. Clinical discussions addressed patient safety, vascular access strategy, complication management, and post-procedure evaluation. These components highlighted the importance of considering each patient's clinical condition and long-term treatment needs when determining the most appropriate vascular access. "The fellowship was particularly valuable because I was not only able to observe a range of procedures, but also perform hands-on procedures directly under Prof. Orestis' supervision," Dr. Fikry said. "Many of the techniques and approaches I learned are highly relevant to further development in clinical practice in Indonesia."

During his time at G. Papanikolaou General Hospital, Dr. Fikry also observed how vascular access services are organized within the hospital and exchanged perspectives with healthcare professionals involved in patient management. These interactions provided a broader understanding of how specialized vascular access services can integrate procedural expertise, multidisciplinary collaboration, and continuity of patient care.

The knowledge and clinical skills gained through the fellowship are expected to contribute to the further development of vascular access services within the Faculty of Medicine at UNHAS and UNHAS teaching hospitals, particularly for patients with chronic kidney disease who require hemodialysis and other patients who depend on reliable long-term vascular access. The fellowship also creates an opportunity for international experience to be transferred into clinical practice and medical education in Indonesia.

For UNHAS, this type of professional development can support institutional capacity in the areas that include interventional nephrology, vascular access, and hemodialysis care, while providing opportunities to introduce international clinical approaches into teaching and healthcare services. The experience is therefore expected to extend beyond the individual fellowship participant by contributing knowledge and practical insights that can be shared with colleagues, students, and healthcare professionals within the university's academic and clinical environment.



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