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Indonesia and China Launch the Sino-Indonesian Shipbuilding Technology Academy to Strengthen Global Maritime Talent

Universitas Diponegoro (UNDIP), through its Vocational School, has launched the Sino-Indonesian Shipbuilding Technology Academy (SISTA), marking a new chapter in maritime vocational education cooperation between Indonesia and China. The initiative was formalized through a Framework Agreement involving Jiangsu Shipping College (JSSC), UNDIP Vocational School, Zhongtian Technology Group Marine Engineering Co., Ltd., and Nantong International Economic and Technical Cooperation Association (NTFEC). The collaboration was immediately followed by an Implementation Agreement involving 14 institutions and companies. As its first initiative, SISTA organized the International Summer Course 2026, bringing together 103 students from Indonesia and China to strengthen academic knowledge, international experience, and maritime competencies.

Dean of UNDIP Vocational School Prof. Dr. Ir. Budiyono, M.Si., emphasized that the initiative goes beyond formal institutional cooperation. "We are not merely signing a cooperation agreement; we are building a collaborative ecosystem that connects education, industry, and innovation. Through the Sino-Indonesian Shipbuilding Technology Academy, we aim to provide more opportunities for students to gain international experience, develop global competencies, and better prepare themselves for the future maritime industry," he stated. UNDIP Vice Rector IV Wijayanto, Ph.D., also welcomed the partnership, highlighting its role in expanding UNDIP's JSSC Director Liu Fangwu expressed optimism about the collaboration, stating, "Diponegoro University is one of the well-known universities in Indonesia. We are confident this partnership will grow successfully. We warmly welcome lecturers and students from the Vocational School of Diponegoro University to visit Jiangsu Shipping College for academic exchanges, study visits, and collaborative programs." Moving forward, SISTA will facilitate student and faculty exchanges, joint training, applied research, shipbuilding technology innovation, curriculum development, professional certification, and international industry internships. This strategic partnership reflects both countries' commitment to developing globally competitive maritime professionals and strengthening sustainable cooperation in education, technology, and industry.



(Source: undip.ac.id)

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DPWK FT UNDIP Participation on SMUS Campus Regional Asia 2026, Support Global Collaboration for Urban Sustainability Study

Universitas Diponegoro (UNDIP), through its Department of Urban and Regional Planning, Faculty of Engineering (DPWK FT UNDIP), participated in the SMUS Asia Regional Campus 2026, held at Chulalongkorn University in Bangkok, Thailand, from May 12–16, 2026. The event brought together academics, researchers, and students from UNDIP, Chulalongkorn University, and the Indian Institute of Technology Kharagpur as part of the Global Center of Spatial Methods for Urban Sustainability (SMUS) network. UNDIP was represented by two lecturers, Prof. Dr.-Ing. Wiwandari Handayani and Novia Sari Ristianti, M.T., along with four postgraduate students, strengthening international academic exchange and collaboration in sustainable urban development.

The program explored transdisciplinary approaches to addressing wicked urban problems, particularly challenges related to climate change, coastal degradation, and urban sustainability. Through academic discussions, thematic lectures, and field visits, participants examined the concepts of "ec(h)otoning" and "thick edges," which emphasize the complex relationships between environmental, social, and urban dynamics. The UNDIP delegation also presented research outputs from the SMUS Campus Multidisciplinary Learning Series UNDIP 2025, highlighting interdisciplinary research on environmental changes in Sayung Village, Demak Regency, through interactive science communication media.

Prof. Dr.-Ing. Wiwandari Handayani emphasized the importance of integrating multiple disciplines to address increasingly complex urban and environmental challenges. "Issues such as climate change, coastal degradation, and ecological inequality are complex problems that require a transdisciplinary approach that integrates planning, social, environmental, and cultural perspectives to produce more comprehensive solutions," she stated. A field visit to Ban Khun Samut Chin provided participants with firsthand insights into coastal erosion, changing livelihoods, and community adaptation strategies, including efforts to preserve local social and cultural identities amid environmental uncertainty.

UNDIP's participation in the SMUS Asia Regional Campus 2026 reinforced its commitment to expanding international research networks and developing innovative solutions to urban sustainability challenges. The collaboration is expected to create further opportunities for joint research, academic exchange, and interdisciplinary education while contributing to the United Nations Sustainable Development Goals, particularly SDG 11 (Sustainable Cities and Communities), SDG 13 (Climate Action), and SDG 17 (Partnerships for the Goals). Through continued global engagement, UNDIP aims to strengthen its contribution to sustainable urban and regional planning and address the growing challenges of climate change and urban development.



(Source: undip.ac.id)



UNDIP and the Maluku Provincial Government Advance Partnership on Clean Drinking Water Through Desalination Technology

Universitas Diponegoro (UNDIP) and the Maluku Provincial Government have taken a significant step toward providing sustainable clean drinking water for coastal communities and small islands through UNDIP's solar-powered seawater desalination technology. The partnership follows Maluku Governor Hendrik Lewerissa's visit to UNDIP's Teluk Awur Campus in Jepara on June 10, 2025, where he observed the technology firsthand. During a follow-up meeting, UNDIP signed a cooperation agreement outlining the proposed collaboration, while the Maluku Provincial Government is expected to complete its signing process before the agreement officially takes effect.

UNDIP Rector Prof. Dr. Suharnomo, S.E., M.Si., expressed his appreciation for the provincial government's trust and emphasized the potential for broader collaboration. "We sincerely appreciate the visit of the Maluku Provincial Government. We hope this collaboration, which begins with water treatment, will continue to expand into many other fields. Once again, thank you, and please convey our regards to the Governor of Maluku and his team," he stated. The meeting brought together representatives of the Maluku Provincial Government and UNDIP's leadership, including experts responsible for developing and implementing the desalination technology.



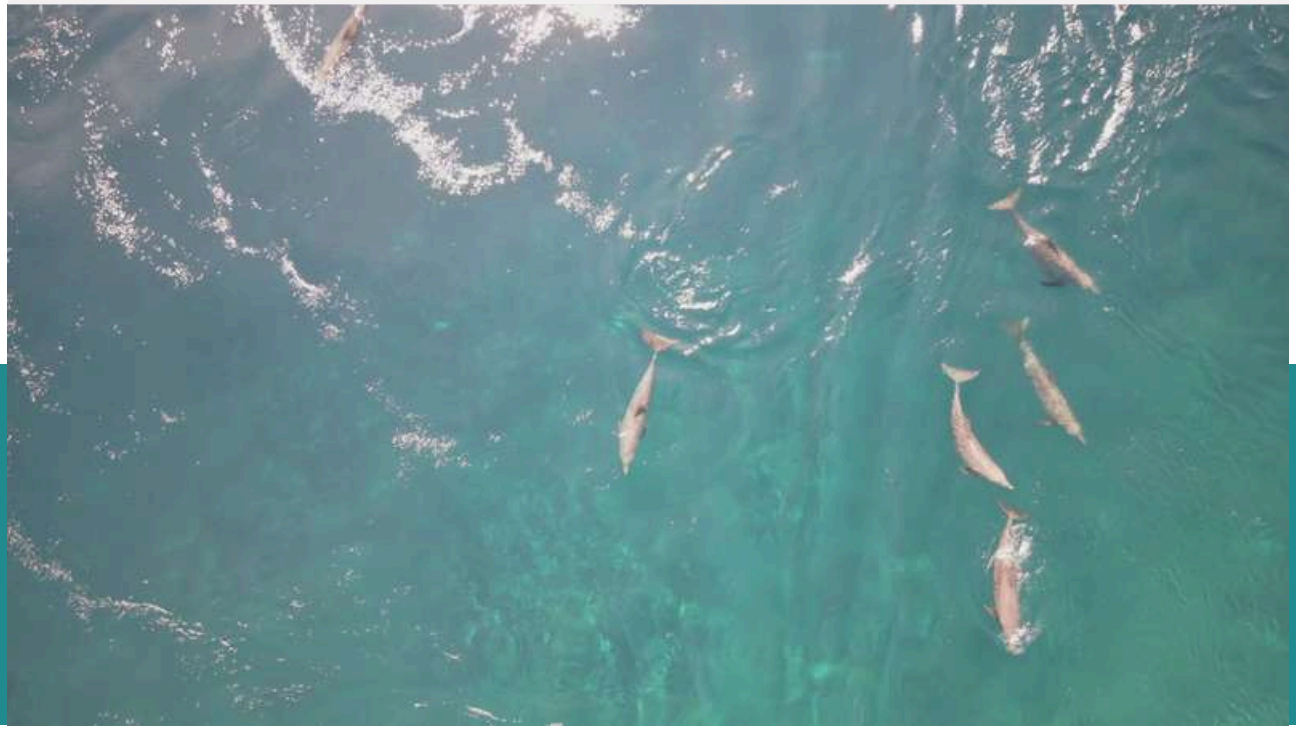
Prof. Dr. I Nyoman Widiasa, S.T., M.T., Head of UNDIP's Jepara Campus Management Agency and inventor of the technology, highlighted the progress achieved since the Governor's initial visit. "After the Governor's visit last year, we held several discussions that eventually led to a mutual understanding to initiate cooperation in providing clean water through desalination technology. Looking ahead, we also hope this collaboration will expand into the field of marine research," he explained. The initiative is expected to improve access to clean water in Maluku's coastal and island communities while strengthening university–government collaboration in sustainable technological innovation and community development.



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9 INDUSTRY, INNOVATION AND INFRASTRUCTURE
17 PARTNERSHIPS FOR THE GOALS

(Source: undip.ac.id)

FPIK UNDIP Researcher Discovers New Tourism Potential in Alor Regency Through the World's Only Cold Seawater (ALaDin) Phenomenon



Researchers from Universitas Diponegoro (UNDIP), led by Prof. Dr.Sc. Anindya Wirasatriya, S.T., M.Si., M.Sc. from the Faculty of Fisheries and Marine Sciences (FPIK), have uncovered a rare marine phenomenon in Alor Kecil Village, East Nusa Tenggara, known as ALaDin (Air Laut Dingin, or Cold Seawater). Observed between August and November, the phenomenon causes sea surface temperatures to drop to nearly 10°C for one to two hours. Unlike conventional upwelling, ALaDin occurs when tidal currents interact with the unique seabed topography of the Pantar Strait, bringing cold deep-sea water to the surface. The event also temporarily stuns fish and attracts dolphins, creating a distinctive natural spectacle with significant tourism potential.

Through the 2026 Strategic Synergy Research Commercialization Program funded by Indonesia's Education Endowment Fund (LPDP), UNDIP is collaborating with Tribuana Kalabahi University (UNTRIB) and the Alor Regency Government to develop ALaDin into a sustainable tourism attraction. The UNDIP research team is developing SI ALaDIN, an Internet of Things (IoT)-based monitoring and forecasting system designed to predict the phenomenon using tidal patterns and sea surface temperature data. Meanwhile, UNTRIB is supporting local communities in developing tourism services and facilities. Prof. Anindya emphasized, "The primary beneficiaries of ALaDin should be tourists, while local communities should become providers of tourism services that enable visitors to experience the phenomenon and generate economic benefits." The initiative also supports the planned ALaDin Festival under the Alor Regency Government's Wismaraya tourism program.

The collaboration aims to establish Alor Kecil as a distinctive marine tourism destination while strengthening community-based tourism and the local blue economy. With accurate forecasting, improved tourism infrastructure, and active community participation, the ALaDin Festival is expected to attract domestic and international visitors and generate sustainable economic opportunities. Expressing his vision for the initiative, Prof. Anindya stated, "If Labuan Bajo has gained global recognition because it is home to the Komodo dragon—the world's only giant lizard—then Alor can achieve the same recognition through ALaDin, the world's only cold seawater phenomenon." This innovation reflects UNDIP's commitment to impactful research and its vision of becoming a "Noble and Valuable" university through sustainable coastal development.





(Source: undip.ac.id)



UNDIP Dermatology Experts Impress World Congress in Barcelona, Presenting Latest Innovations in Global Leprosy Eradication

Dr. dr. Renni Yuniati, SpDVE, Subsp. DT, FINSDV, FAADV, MH, a dermatology expert from Universitas Diponegoro (UNDIP), represented Indonesia as a keynote speaker at the International Congress of Dermatology and Cosmetology, held in Barcelona, Spain, from June 22–24, 2026. In her presentation titled "Latest Innovations in Leprosy Diagnosis and Therapy: Towards Accelerating Global Elimination," she highlighted recent scientific advances aimed at accelerating global efforts to eliminate leprosy.

Dr. Renni emphasized that leprosy remains a significant global health challenge, with more than 170,000 new cases reported annually, including nearly 10,000 cases among children. She introduced several diagnostic innovations, including CRADAR-i, a portable molecular testing technology capable of delivering same-day results without electricity, rapid lateral flow assays, and artificial intelligence-based diagnostic systems with reported accuracy exceeding 90 percent. These developments offer promising opportunities for earlier detection, particularly in underserved communities.

In addition to diagnostic advances, Dr. Renni discussed emerging treatments such as Bedaquiline and Telacebec, which are being investigated for their potential to shorten leprosy treatment. She also highlighted preventive strategies, including the LepVax vaccine and single-dose rifampicin post-exposure prophylaxis (SDR-PEP), which has demonstrated the potential to reduce leprosy incidence among close contacts by up to 57 percent. These innovations could strengthen global efforts to improve treatment accessibility, prevent transmission, and reduce the long-term burden of the disease.



Representing Indonesia, one of the countries with the highest leprosy burdens worldwide, Dr. Renni emphasized the importance of scientific innovation and international collaboration in achieving global leprosy elimination. "Leprosy-free is no longer a distant dream; it is a reality we can achieve within our generation," she declared. Her participation in the international congress highlighted UNDIP's contribution to advancing medical research and strengthened Indonesia's presence in global discussions on infectious disease prevention, diagnosis, and treatment.

3 GOOD HEALTH AND WELL-BEING
9 INDUSTRY, INNOVATION AND INFRASTRUCTURE

(Source: undip.ac.id)



Preparing for THE Ranking, UNDIP Participates in the Global Sustainable Development Congress 2026

Universitas Diponegoro (UNDIP) reaffirmed its commitment to advancing the Sustainable Development Goals (SDGs) through its participation in the Global Sustainable Development Congress (GSDC) 2026, organized by Times Higher Education (THE) from June 22–25, 2026, at the Indonesia Convention Exhibition (ICE) in Tangerang, Indonesia. Featuring nearly 700 speakers, the congress brought together academics, industry leaders, policymakers, and sustainability experts to exchange knowledge, develop cross-sector solutions, and accelerate global progress toward sustainable development and climate action.

The UNDIP delegation consisted of Dessy Ariyanti, S.T., M.T., Ph.D., Deputy Director of Global Reputation; Pulung Widhi Hari Hananto, S.H., M.H., LL.M., Deputy Director of Global Partnerships and Connectivity; and Prof. Bulan Prabawani, S.Sos., M.M., Ph.D., Chair of the UNDIP SDGs Center. Throughout the four-day event, the delegation participated in strategic sessions, including the Asia-Pacific Sustainable Business Summit, Sustainability Skills Summit, Trade and Economic Development Summit, and Unlocking Capital for Sustainability. These discussions explored sustainable governance, digital innovation, financing mechanisms, and institutional transformation.

Reflecting on the experience, Dessy Ariyanti stated, "We attended seven to ten sessions per day, gaining comprehensive insights into various strategic issues, ranging from higher education transformation, strengthening sustainable governance, digital innovation, sustainable development financing, data utilization for decision-making, and improving community welfare." The congress provided valuable opportunities for UNDIP to exchange best practices, strengthen international academic networks, and explore innovative approaches to addressing sustainability challenges across different sectors.

A key highlight of UNDIP's participation was Dessy Ariyanti's presentation as an invited speaker on June 24, 2026, where she shared the university's research experiences and best practices in biodiversity conservation and innovation. Her contribution highlighted UNDIP's role in advancing sustainability-oriented research and international academic engagement. The delegation also held discussions with Times Higher Education representatives regarding upcoming university rankings. Through its participation, UNDIP continues to strengthen its global partnerships, enhance institutional capacity, and contribute to sustainable development through research, innovation, and international collaboration.





(Source: undip.ac.id)



UNDIP Strengthens Double Degree Master's Program with Paris-Saclay Through Vice Rector IV's Visit to France

Universitas Diponegoro (UNDIP) continues to expand its international academic network through strategic partnerships with higher education institutions in France. From July 1–4, 2026, UNDIP Vice Rector IV Wijayanto, Ph.D., visited Paris and Angers to strengthen collaboration with the Institut de Développement et des Hautes Études de Paris (IDHEP) and advance plans for a double-degree master's program with Université Paris-Saclay. The visit marked an important step toward enhancing international academic mobility, research cooperation, and access to European higher education opportunities.

During his visit to Paris, Wijayanto met with IDHEP President Prof. Ali Smida, culminating in the signing of a Memorandum of Understanding (MoU) between UNDIP and IDHEP on July 4, 2026. Under the agreement, IDHEP will serve as a liaison between UNDIP and Université Paris-Saclay, facilitating the development of the proposed double-degree program. "IDHEP's position is important as a liaison because it has extensive connections not only with Paris-Saclay but also with Sorbonne University and other major universities in France," Wijayanto explained. The partnership also covers research collaboration, academic exchanges, internships, international workshops, summer courses, and joint supervision of postgraduate research.

While attending the Joint Working Group in Angers, Wijayanto engaged with representatives from several French universities, including Université d'Angers and Université Paris-Saclay. He also met with Paris-Saclay Vice President Rachid Benaccer, who expressed preliminary interest in further discussions on institutional cooperation. Additionally, the Research Director of Indonesia's Education Endowment Fund (LPDP) expressed support for UNDIP's proposed double-degree initiative, creating further opportunities to strengthen international postgraduate education and research partnerships.

The proposed double-degree program is expected to enable UNDIP academics to pursue master's studies at both UNDIP and Université Paris-Saclay while gaining international academic and research experience. Lecturers from the Department of Economics, Faculty of Economics and Business (FEB UNDIP), are expected to be among the first participants in 2026. Through this initiative, UNDIP aims to broaden global academic partnerships, strengthen research collaboration, and enhance its international reputation as a research university committed to academic excellence and global engagement.



4 QUALITY EDUCATION 17 PARTNERSHIPS FOR THE GOALS

(Source: undip.ac.id)



Turning Waste into Energy: Strategic Collaboration Between UNDIP and Industry through Research Downstreaming for a Low-Carbon Energy Transition via Catalytic Pyrolysis Technology

Universitas Diponegoro (UNDIP), in collaboration with PT Dahana Solusi Inovasi, has launched a strategic research program to convert non-organic plastic waste into alternative fuel using catalytic pyrolysis technology. Initiated in March 2026 in Batang Regency, Central Java, the jointly funded project brings together researchers from UNDIP's Department of Chemical Engineering and industry professionals to address plastic waste accumulation and growing energy demands. The initiative aims to transform laboratory research into practical industrial applications while supporting sustainable waste management and the transition toward lower-carbon energy.

UNDIP leads the development of the pyrolysis reactor, zeolite-based catalysts, and chemical analysis of fuel quality, while PT Dahana Solusi Inovasi provides industrial facilities, equipment, raw materials, and operational support. The project involves upgrading a 50-kilogram pyrolysis unit to a 100-kilogram rotary reactor to improve thermal conversion efficiency and fuel production. Prof. Didi Dwi Anggoro, Head of the UNDIP Research Team, emphasized, "Our collaboration with industry partners in Batang serves as a crucial bridge to bring academic research beyond the laboratory and into industrial reality." The team aims to achieve a pyrolysis oil yield of 50–70% during the initial phase and increase it to 75% in the second year, with the goal of producing stable, commercially viable alternative fuel.

Agni Sakti, Director of PT Dahana Solusi Inovasi, highlighted the project's practical and commercial potential. "For us, this collaboration is not merely research on paper but a practical solution that directly addresses industrial needs for sustainable non-organic waste management," he stated. The company also plans to explore larger-scale commercialization, potentially expanding the technology to a one-ton processing capacity.

Beyond reducing plastic waste, the initiative is expected to create local employment opportunities in waste collection, sorting, processing, and plant operations while promoting circular economy principles through the reuse of reaction gases as an internal energy source.

The collaboration represents UNDIP's commitment to advancing research commercialization, industrial innovation, and sustainable development. By converting plastic waste into potentially valuable alternative fuels, the project aims to reduce landfill waste, improve resource efficiency, and support industrial energy diversification. It contributes to several United Nations Sustainable Development Goals, particularly SDG 7 (Affordable and Clean Energy), SDG 9 (Industry, Innovation and Infrastructure), SDG 11 (Sustainable Cities and Communities), SDG 12 (Responsible Consumption and Production), and SDG 17 (Partnerships for the Goals). Through this initiative, UNDIP continues to translate academic innovation into practical solutions that benefit industry, communities, and the environment, reflecting its vision of being a "Noble and Valuable" university.





(Source: undip.ac.id)



UNDIP Co-Hosts International Policy Roundtable in Jakarta to Strengthen Southeast Asia's Information Integrity

Universitas Diponegoro (UNDIP) strengthened its international engagement by co-hosting the policy roundtable titled "Responses to Information Manipulation in Southeast Asia: From Research to Policy Implementation" on July 9, 2026, at Four Points by Sheraton Jakarta, Thamrin. The regional forum brought together academics, policymakers, and digital governance experts to discuss strategies for combating information manipulation and safeguarding the integrity of digital information across Southeast Asia.

The event was jointly organized by UNDIP, Monash University Indonesia, and Chulalongkorn University, Thailand, with support from Canada's International Development Research Centre (IDRC). Approximately 25 participants attended, including representatives from Indonesian government institutions, Commission I of the Indonesian House of Representatives, and Meta's Oversight Board. The collaboration highlighted the importance of cross-border research and policy coordination in addressing disinformation, coordinated influence operations, and emerging challenges in digital governance.

UNDIP Vice Rector for Research, Innovation, Cooperation, and Public Communication Wijayanto, S.IP., M.Si., Ph.D., participated as a keynote speaker, presenting research findings on countering malign influence operations. "Cyber troops and influence operations using social media propaganda have grown into an industry in Southeast Asia. To address this, a comprehensive overhaul of the digital ecosystem is needed, including transparency of digital political content, strengthening platform accountability in detecting fake accounts and coordinated inauthentic behavior, increasing public media literacy, developing research to map actors, funding, and changing tactics, and strengthening monitoring of the digital public space by civil society, journalists, and fact-checkers," he stated.

Throughout the forum, participants exchanged research findings and discussed policy recommendations to strengthen digital governance, platform accountability, and responsible artificial intelligence (AI). The discussions emphasized the importance of collaboration among universities, governments, technology platforms, journalists, and civil society organizations in developing evidence-based responses to information manipulation. Reflecting on the outcomes, Wijayanto remarked, "This was a very fruitful workshop, with so many extraordinary insights gained."

Through its contribution to this international policy dialogue, UNDIP reaffirmed its commitment to translating academic research into practical recommendations that address regional and global challenges. The initiative strengthened UNDIP's international research partnerships and highlighted its role in promoting responsible digital governance, public awareness, and a more trustworthy information environment. This engagement reflects UNDIP's broader vision of becoming a globally recognized university that delivers meaningful benefits to society through research, innovation, and collaboration.



(Source: undip.ac.id)



UNDIP Lecturer, also as a Member of MIPI-WPSA Indonesia, Presented Genetic Research on Kedu Laying Hens at the World's Poultry Congress 2026

Asep Setiaji, S.Pt., M.Si., Ph.D., a lecturer at the Faculty of Animal and Agricultural Sciences, Universitas Diponegoro (FPP UNDIP), and a member of MIPI-WPSA Indonesia, presented UNDIP's research on genetic improvement strategies for Kedu laying hens at the World's Poultry Congress (WPC) 2026, held from July 13–17, 2026, at the Metro Toronto Convention Centre in Toronto, Canada. His presentation highlighted Indonesia's efforts to advance poultry research and introduce the potential of indigenous chicken breeds to the international scientific community.

Kedu chickens are among Indonesia's valuable indigenous poultry genetic resources, with significant potential for further development. The research focuses on molecular genetics-based breeding strategies to improve the reproductive performance of Kedu laying hens. By examining genetic variation, the study aims to support more accurate, efficient, and sustainable selection methods while contributing to the preservation and development of local poultry breeds.

Asep emphasized that participation in the international congress provided an important opportunity to share research findings and explore future scientific collaboration. "We recognize that this research is still in its early stages and requires further development. Therefore, we welcome constructive criticism, suggestions, feedback, and opportunities for future collaboration to strengthen and advance this research," he stated. The congress brought together researchers, academics, students, industry representatives, and poultry experts from various countries to exchange knowledge and discuss innovations in poultry science.

UNDIP's participation in WPC 2026 reflects its commitment to advancing high-quality research, strengthening academic internationalization, and expanding global scientific partnerships in animal and agricultural sciences.

Beyond contributing to international poultry research, the study is expected to support the conservation and sustainable development of Indonesia's indigenous chicken genetic resources, particularly Kedu laying hens. Through continued research and collaboration, UNDIP aims to promote innovation in poultry breeding while contributing to the long-term sustainability of the national livestock sector.



(Source: undip.ac.id)



UNDIP Ambassadorial Lecture Explores Geopolitical Dynamics from a Diplomatic Perspective

Universitas Diponegoro (UNDIP) hosted an Ambassadorial Lecture titled "The Current Geopolitical Situation of Iran" on July 22, 2026, at Pertamina Hall, Faculty of Economics and Business (FEB UNDIP). The event featured H.E. Mohammad Boroujerdi, Ambassador of the Islamic Republic of Iran to Indonesia, and provided an academic platform for discussing international geopolitical developments and their implications for global affairs.

Dean of FEB UNDIP Prof. Faisal, S.E., M.S., Ph.D., emphasized the importance of the lecture in broadening the academic community's understanding of international issues. "We hope this event will provide a more comprehensive understanding of geopolitical dynamics and their impact on the global economy," he stated. The lecture aimed to encourage critical discussion and strengthen students' and faculty members' awareness of the relationship between geopolitical developments and economic conditions.

During his presentation, Ambassador Boroujerdi shared the Iranian government's perspective on ongoing conflicts in the Middle East while highlighting the importance of science and technology in strengthening national independence. "If we want to be truly independent, we must develop a deep understanding of science," he emphasized. According to the Ambassador, scientific and technological advancement plays a crucial role in enabling countries to address global challenges and strengthen their national capabilities.

Moderated by Dr.agr. Deden Dinar Iskandar, S.E., M.A., Head of the Master's Program in Economics, the discussion encouraged active participation from students and faculty members.

Questions addressed Iran's diplomatic relations, scientific and technological development, and post-conflict reconstruction challenges. Through this Ambassadorial Lecture, UNDIP reaffirmed its commitment to fostering international academic dialogue, expanding global perspectives, and providing meaningful learning experiences through direct engagement with international diplomatic representatives.



(Source: undip.ac.id)



Strengthening Global Research, UNDIP and UPM Advance the Utilization of Methane Gas and Pyrolysis Oil from Plastic Waste

Universitas Diponegoro (UNDIP) continues to expand its international research partnerships through a strategic visit by Prof. Ir. Didi Dwi Anggoro, M.Eng., Ph.D., IPU., ASEAN Eng., to Universiti Putra Malaysia (UPM), Selangor, Malaysia, from July 13–17, 2026. Conducted under UNDIP's World Class University (WCU) program, the visit focused on research matchmaking and collaboration with a university ranked among the world's top 500 in the QS World University Rankings. During the visit, Prof. Didi engaged with researchers at the Putra Catalysis Science and Technology Research Center (PutraCAT), led by Datuk Prof. Dr. Taufiq Yap Yun Hin, and met with UPM Faculty of Science Dean Prof. Dr. Nor Azwady Abd. Aziz to explore opportunities for sustainable research and academic partnerships.

The discussions resulted in several strategic collaboration plans, including joint research on methane utilization to develop more efficient and environmentally sustainable energy technologies. Both institutions also explored joint scientific publications, faculty and student exchanges, summer courses, and collaborative community service programs. Another key initiative involves developing Pyrolysis Plastics Oil (PPO) technology through a three-university partnership involving UNDIP, UPM, and King Fahd University of Petroleum and Minerals (KFUPM). This research aims to convert plastic waste into valuable energy products while promoting circular economy principles and reducing environmental pollution.



Through these initiatives, UNDIP seeks to strengthen international research productivity, academic mobility, and the practical application of scientific innovations. The collaboration also supports several United Nations Sustainable Development Goals, particularly SDG 7 (Affordable and Clean Energy), SDG 9 (Industry, Innovation and Infrastructure), SDG 12 (Responsible Consumption and Production), SDG 13 (Climate Action), and SDG 17 (Partnerships for the Goals). By fostering long-term partnerships with leading international universities, UNDIP reaffirms its commitment to advancing sustainable energy research, addressing global environmental challenges, and realizing its vision of becoming a "Noble and Valuable" university.



(Source: undip.ac.id)