

UNDIP MONTHLY

Embrace the World with Knowledge



MINISTER OF HIGHER EDUCATION, SCIENCE, AND TECHNOLOGY OFFICIALLY OPENS POMNAS XIX 2025 IN JAWA TENGAH AT UNDIP'S MULADI DOME

oleh Humas Undip

UNDIP, Semarang (September 19, 2025) — Universitas Diponegoro (UNDIP), together with seven other universities in Central Java and supported by the provincial government, officially opened the 19th National Student Sports Week (POMNAS XIX) 2025 on Friday, September 19, 2025, at Muladi Dome, UNDIP's multipurpose hall in Tembalang. The event brings together 455 contingents from universities, academies, and colleges across Indonesia, competing from September 19–27, 2025, in Semarang and Surakarta. UNDIP serves as the coordinating university among the eight hosts, which include UNS, UNNES, UDINUS, UPGRIS, UNWAHAS, UMS, and UNIMUS.

Minister of Higher Education, Science, and Technology Prof. Brian Yulianto, S.T., M.Eng., Ph.D., expressed his appreciation for the collaboration and efforts of UNDIP and partner universities. "POMNAS XIX Central Java is more than a competition; it is a platform to build character, sportsmanship, and unity among Indonesian students. Through this event, we hope to see the rise of athletes who excel nationally and internationally, while staying true to their academic identity," said Prof. Brian.

Governor of Central Java Komjen Pol (Purn) Drs. Ahmad Luthfi, S.H., S.St.M.K., also extended a warm welcome to all contingents, emphasizing the values of unity and friendship. "POMNAS fosters not only competition but also friendship and unity across Indonesia. I encourage all participants to keep striving, achieving, and making a positive impact on society," he said. Meanwhile, UNDIP Rector Prof. Dr. Suharnomo, S.E., M.Si., highlighted the university's readiness as host and urged participants to uphold integrity and enthusiasm. "Being both a student and an accomplished athlete is a challenging endeavor. Keep your spirit high and uphold sportsmanship," he added.

The grand opening featured Tari Kridha Yudha Adighana, a collaborative dance by UNNES lecturers and students symbolizing sportsmanship and unity, followed by performances from UNDIP's award-winning student artists and singer Keisya Levronka. With the spirit of "Move, Achieve, and Make an Impact," POMNAS XIX 2025 stands as a celebration of youth, sports, and togetherness—uniting the nation through the power of athletic excellence and academic pride.

UNDIP BRINGS REAL IMPACT TO BLORA REGENCY COMMUNITY: BUILDING SELF-RELIANT VILLAGES WITH WATER, ENERGY, AND SUSTAINABLE TOURISM

oleh Humas Undip



UNDIP, Blora (September 10, 2025) — Universitas Diponegoro (UNDIP) officially launched the “UNDIP for Blora: Building Self-Reliant Villages with Water, Energy, and Sustainable Tourism” program in Sambongrejo Village, Sambong Sub-District, Blora Regency. The initiative, which focuses on improving clean water access, promoting renewable energy, and strengthening sustainable tourism, was inaugurated by UNDIP Rector Prof. Dr. Suharnomo, S.E., M.Si., alongside Blora Regent Dr. H. Arief Rohman, S.IP., M.Si., the Dean of UNDIP Vocational School Prof. Dr. Ir. Budiyo, M.Si., and UNDIP Vice Chair of LPPM Prof. dr. Achmad Zulfa Juniarto, M.Si.Med., Sp.And (K), M.M.R., Ph.D., with the participation of local officials and residents.

Blora Regent Dr. Arief Rohman expressed appreciation for UNDIP’s tangible efforts to address rural challenges through innovation. “The main problem in Blora Regency is water, especially during the dry season. UNDIP’s drinking-water technology means so much to the community. We hope this program does not stop here, but can be expanded to make Blora’s water potential more valuable,” he said. He also highlighted the cultural tourism potential of Kampung Samin in Sambongrejo, adding, “With UNDIP’s support, the development of this tourism village will be more complete. We also welcome students to help develop the village’s potential and strengthen its local wisdom.”

Meanwhile, Rector Prof. Suharnomo underscored UNDIP’s mission to ensure that university knowledge contributes directly to communities. “If you possess knowledge, then it must be given to the village. This program in Blora Regency is the starting point that we hope will continue to bring benefits to the community,” he said.

He also stressed the importance of collaboration between universities and local governments in fostering village independence, while urging residents to maintain the newly installed facilities. “The technology we brought here is certainly not perfect and will require improvements. That’s why we ask everyone to take care of it so its benefits can be sustained,” he added.

The event inaugurated three main initiatives: the “Tirta Bening” drinking-water production unit in Sambongrejo Village, a master plan for Kampung Samin cultural tourism development, and a solar-powered water and street-lighting system in Botoreco Village. The membrane-based water treatment technology installed by UNDIP filters out limestone, metals, and microbes—producing clear, safe, and odor-free drinking water. Through the synergy of universities, local governments, and communities, UNDIP for Blora is expected to become a model for sustainable, self-reliant village development, reinforcing UNDIP’s vision as a Noble and Valuable University that delivers real benefits to society.



UNDIP'S FACULTY OF MEDICINE AND JAWA TENGAH GOVERNMENT DISCUSS EFFORTS TO REDUCE MATERNAL AND NEONATAL MORTALITY: UNDIP'S IMPACT FOR THE COMMUNITY OF JAWA TENGAH

oleh Humas Undip



UNDIP, Semarang (September 11, 2025) — The Faculty of Medicine, Universitas Diponegoro (FK UNDIP), held an audience with Governor of Central Java Komjen Pol (Purn) Drs. Ahmad Luthfi, S.H., S.St.M.K., to discuss evidence-based strategies to reduce maternal and neonatal mortality in the province. The meeting, which took place at the Central Java Governor's Office, was attended by Dean of FK UNDIP Dr. dr. Yan Wisnu Prajoko, M.Kes., Sp.B., Subsp.Onk(K); Co-Director of the WHO Collaboration Center for Research and Training in Maternal and Newborn Health, Prof. Charles Anawo Ameh, Ph.D.; as well as several program heads and specialists from FK UNDIP.

Dean dr. Yan Wisnu Prajoko explained that the meeting was part of FK UNDIP's commitment to supporting Central Java's public health programs, particularly in reducing maternal and neonatal deaths. "We want to support the Governor's programs, particularly on this issue. In Central Java, the maternal and infant mortality rates are still below the national level. This also aligns with the Governor's program, Spelling (Spesialis Keliling)," he said. FK UNDIP's initiative in Brebes Regency is one of the first steps in this effort, and the faculty plans to extend its reach to other regions identified by the Central Java Health Office. "It won't stop in Brebes. We plan to move into other areas based on input from the provincial health office. Each region has its own specific challenges, and this is where we, as academics, step in to identify the root causes and propose solutions," added Dr. Ratnasari DC.

Prof. Charles Anawo Ameh highlighted the critical importance of generating and applying practical evidence in real contexts. "It is important to gather evidence on what actually works in practice. The evidence may exist, but in some situations, it does not translate into the impact we expect," he said. His remarks underscored that effective health interventions must go beyond theoretical data by considering contextual realities in each community. The FK UNDIP team is currently developing a 2026-2030 milestone roadmap for maternal mortality reduction in Indonesia, based on this evidence-driven approach.

Governor Ahmad Luthfi welcomed the collaboration and expressed optimism that the partnership with UNDIP would strengthen existing programs. "The main obstacle is the shortage of specialists. That's why we are asking for help from universities that have specialist doctors to be involved in thematic community service programs," he said. The Head of the Central Java Health Office also expressed hope that the collaboration would significantly reduce maternal and neonatal deaths, emphasizing the need for prevention and shared responsibility between the government, healthcare professionals, and the community. This initiative reflects UNDIP's commitment to its vision of being a Noble and Valuable University, in line with the Ministry's "Diktisaintek Berdampak" program that promotes science and technology with real social impact.

UNDIP TRKI TEAM TRIUMPHS: WINS NATIONAL GRAND CHAMPION, SECURES 5 INNOVATION AWARDS FOR FOOD BIOINDICATORS

oleh Humas Undip



UNDIP, Purwokerto (September 14, 2025) — Students from the Industrial Chemical Engineering Technology (TRKI) program at the Vocational School of Universitas Diponegoro (UNDIP) achieved outstanding success at the National Economic Events X Edutalk Fair Competition (NETs X EFC) 2025, hosted by Universitas Jenderal Soedirman. The team secured the Grand Champion title and won five major awards—including a gold medal, a bronze medal, two Best Idea awards, and the Best Poster award—surpassing participants from top universities across Indonesia.

In the competition, the UNDIP TRKI team presented an innovative eco-friendly bioindicator designed to detect food safety hazards. This breakthrough integrates food technology and sustainability principles, offering a practical, affordable, and efficient early-detection tool for the food supply chain. Their innovation supports the United Nations Sustainable Development Goals (SDGs) in food security and public health, while aligning with the competition's theme, "ASEAN Economic Renaissance." The achievement reflects the vocational students' ability to produce research-based innovations that are both competitive and socially relevant.

The success was achieved by Maya Qisthina Gaissani, Sigit Pramana, and Femas Wisnu Abby, under the guidance of Yusuf Ma'rifat Fajar Azis, S.T., M.T., with strong support from the Head of the TRKI Program, Dr. Mohamad Endy Julianto, S.T., M.T. Dr. Julianto highlighted that the accomplishment demonstrates the versatility and excellence of UNDIP's vocational students. "This achievement proves that vocational students excel not only in industrial practice but also in critical thinking, scientific writing, and technology-based innovation. We hope this success inspires others to continue creating impactful works," he said.

Beyond the medals, the TRKI UNDIP team's victory represents a larger commitment to advancing sustainability through science and innovation. "This achievement shows that big dreams, hard work, and strong academic support can propel students to the highest levels," Dr. Julianto added. The milestone reaffirms UNDIP's dedication to fostering innovation-driven education and underscores the vital role of vocational programs in national development—embodying UNDIP's spirit as a "Noble and Valuable University" and supporting the Ministry's "Diktisaintek Berdampak" initiative for impactful science and technology.



UNDIP STRENGTHENS COMMITMENT TO PROFESSIONAL PUBLIC COMMUNICATION AND WINS AHI 2025 AWARD

oleh Humas Undip



UNDIP, Semarang (September 26, 2025) — Universitas Diponegoro (UNDIP), through the Directorate of Media Networks, Community, and Public Communication (Direktorat Jejak), Division IV, earned national recognition in the field of public relations. At The 7th Anugerah Humas Indonesia (AHI) 2025, UNDIP won the Bronze Award in the Government Public Relations Program category, under the State Universities subcategory. The award acknowledged UNDIP's communication campaign, "Noble and Valuable UNDIP," which was praised for its professionalism, inclusivity, and impactful delivery of information to the public.

UNDIP Rector Prof. Dr. Suharnomo, S.E., M.Si., expressed gratitude for the achievement and emphasized the importance of communication in advancing UNDIP's strategic goals. "We place public communication as an important part of UNDIP in supporting strategic programs toward becoming a World-Class University. I am proud that the Directorate of Media Networks, Community, and Public Communication has brought national recognition to UNDIP. The directorate plays a crucial role in communicating all UNDIP's programs and achievements to strengthen public trust in the university," he said.

Vice Rector for Research, Collaboration, Innovation, and Public Communication Wijayanto, Ph.D., highlighted that the award reflects UNDIP's growing strength in the national public communication landscape. "This award proves that UNDIP can compete at the national level, especially in practicing professional public communication. Moving forward, UNDIP will continue to strengthen this role in building the university's reputation both nationally and internationally," he said.

Meanwhile, Director of Media Networks, Community, and Public Communication Dr. Nurul Hasfi, M.A., noted that the recognition was the result of a year-long team effort and a reflection of UNDIP's continuous commitment to professional and innovative communication practices.

The Anugerah Humas Indonesia (AHI) 2025 recorded 198 entries from 59 official institutions, celebrating excellence across corporations, ministries, agencies, regional governments, and universities. Carrying the theme "Strengthening Innovation in Public Communication in the Digital Era," the 2025 awards were judged by leading communication experts, including Asmono Wikan, Jannete Maria Pinariya, Fachrudin Ali Ahmad, Abdul Rahman Ma'mun, and Chrysanthi Tarigan. With this achievement, UNDIP further strengthens its reputation as a university that excels not only in the Tri Dharma of Higher Education—education, research, and community service—but also in its dedication to fostering professional, inclusive, and innovative public communication aligned with the spirit of "Noble and Valuable UNDIP."

UNDIP'S FACULTY OF LAW NAMED BEST STATE LAW SCHOOL IN CENTRAL REGION AT TOP INDONESIAN LAW SCHOOL 2025

oleh Humas Undip



UNDIP, Semarang (September 6, 2025) — The Faculty of Law at Universitas Diponegoro (FH UNDIP) has achieved another remarkable milestone after being named the Best State Law School in the Central Region at the Top Indonesian Law Schools 2025, organized by Hukumonline in Jakarta. The competition, which evaluated 43 law faculties across Indonesia—comprising 19 public and 24 private universities—recognized FH UNDIP for its excellence in legal education, research, and innovation. The faculty also received a special distinction as the “Innovator of Digital Legal Literacy.”

The Top Indonesian Law Schools 2025 ranking assessed institutions based on four comprehensive indicators: the number of Golden Alumni, BAN-PT accreditation, SINTA (Science and Technology Index) scores, and global reputation as reflected in the QS World University Rankings. By integrating these data points, validated through credible and independent sources, the assessment highlights each institution's adaptability to evolving higher education and industry standards. Among the nominees for the Best State Law School in the Central Region were Universitas Diponegoro, Universitas Gadjah Mada, Universitas Jenderal Soedirman, Universitas Negeri Semarang, and Universitas Singaperbangsa Karawang.

Dean of FH UNDIP, Prof. Dr. Retno Saraswati, S.H., M.Hum., expressed pride and gratitude for the recognition, dedicating it to the entire academic community. “Alhamdulillah, this achievement reaffirms FH UNDIP's position as one of the top law schools in Indonesia. This recognition is especially for our academic community—faculty members, students, alumni, education staff, collaborative partners, and everyone who has contributed. May this inspire us to pursue even greater accomplishments,” said Prof. Retno.

Representing the faculty during the ceremony, Vice Dean I for Academic and Student Affairs, Dr. Aditya Yuli Sulistyawan, S.H., M.H., also expressed appreciation to Hukumonline for the recognition. “UNDIP's Faculty of Law, with its progressive legal character, is determined to continue contributing significantly to shaping the legal landscape in Indonesia. We aspire to produce top law graduates who can drive positive change and enrich legal thought in the country,” he said.

FH UNDIP's success also included recognition of Asep Ridwan, S.H., M.H., Chair of the FH UNDIP Alumni Association, who was named a Golden Alumni 2025. These achievements reaffirm the faculty's dedication to advancing dignified, impactful, and globally competitive legal education. Through academic excellence, digital innovation, and a strong alumni network, FH UNDIP continues to uphold its commitment to producing future-ready legal professionals and contributing to the development of Indonesia's legal system—embodying UNDIP's vision of being Noble and Valuable.

CYBORG INSECT INNOVATION: VISIONARY STEP BY M. ARIYANTO, PH.D. (UNDIP ENGINEERING LECTURER) FOR DISASTER RESCUE MISSIONS

oleh Humas Undip



UNDIP, Semarang (September 3, 2025) — Imagine a cockroach—often avoided by humans—becoming a lifesaver during disasters. This futuristic idea is turning into reality through cyborg insects, or robotic-hybrid bugs, developed by Mochammad Ariyanto, S.T., M.T., Ph.D., a lecturer in the Department of Mechanical Engineering, Faculty of Engineering, Universitas Diponegoro (UNDIP). His pioneering work merges biology and robotics, enabling cockroaches to serve as controllable micro-robots for search-and-rescue operations in disaster zones unreachable by humans or conventional machines.

The innovation began in 2020 during Dr. Ariyanto's doctoral studies under Prof. Keisuke Morishima at Osaka University, Japan. Inspired by real-world challenges during disasters such as the Fukushima earthquake, he sought to combine insects' natural mobility with advanced robotics. "This ability gives cyborg insects an edge, as they can still function in hazardous areas such as radioactive zones," he explained. The Madagascar cockroach, known for its durability and agility, became the ideal subject. Equipped with a miniature wireless robotic backpack measuring just 2 x 3 centimeters, the insect can be directed to navigate tight, hazardous areas while transmitting real-time data.

Dr. Ariyanto emphasized that leveraging nature is more efficient than building ultra-small robots from scratch. "If we force ourselves to build a fully mechatronic robot at such a small scale, the challenges would be far more complex. This approach leverages insects' natural advantages while ensuring their survival," he said.

The project, conducted in collaboration with Osaka University under Japan's Moonshot Research and Development (R&D) Program, has produced prototypes capable of recording video, detecting heat, recognizing human faces, and autonomously avoiding obstacles using intelligent algorithms. He also plans to integrate deep learning and voice command systems to enhance the insects' autonomy.

Looking ahead, Dr. Ariyanto sees vast potential for this technology in Indonesia, a disaster-prone country. "I believe this technology can support rescue missions in Indonesia, especially in densely populated urban areas," he said. Beyond cyborg insects, his research expands into bionic technologies, including exoskeletons for people with disabilities and robotic systems for land, air, and underwater exploration. Turning down a permanent academic position in Japan, he chose to return to UNDIP to advance local innovation.

"Our facilities may not match developed countries, but the spirit must remain strong. If we continue to rely on others, we will remain importers. If not us, who else will advance this nation?" he affirmed. Through his work, Dr. Ariyanto proves that global breakthroughs can emerge from Indonesian campuses, reaffirming UNDIP's role as a university that is Noble and Valuable in shaping technology for humanity.

UNDIP BECOMES CENTER OF ATTENTION AT GIIAS SEMARANG 2025, SHOWCASING CAMPUS-INDUSTRY SYNERGY

oleh Humas Undip



UNDIP, Semarang (September 24, 2025) — Universitas Diponegoro (UNDIP) once again took center stage as the GAIKINDO Indonesia International Auto Show (GIIAS) The Series 2025 returned to Semarang. Entering its fourth year, the largest automotive exhibition in Jawa Tengah and one of Indonesia's premier automotive events is being held from September 24-28, 2025, on the 2nd floor of the Muladi Dome Multipurpose Building, UNDIP. This marks the second consecutive year that GIIAS has been hosted at UNDIP, placing Semarang alongside other key host cities such as Jakarta and Surabaya. The opening ceremony was attended by Governor of Jawa Tengah Komjen Pol (Purn) Drs. Ahmad Luthfi, GAIKINDO Chairman Ir. Putu Juli Ardika, and UNDIP Rector Prof. Dr. Suharnomo, S.E., M.Si., among other dignitaries.

In his remarks, Governor Ahmad Luthfi emphasized that GIIAS is not merely an automotive exhibition but a strategic effort to strengthen transportation networks and regional economic growth. "GIIAS fosters not only innovation but also partnership between government, academia, and industry to drive economic development in Jawa Tengah. The province plays a vital role in the national automotive ecosystem, supported by infrastructure improvements and industry incentives," he said. GAIKINDO Chairman Putu Juli added that Jawa Tengah contributes approximately 5.2% to Indonesia's vehicle market share. "Beyond being a promising market, Jawa Tengah is an integral part of Indonesia's automotive ecosystem. GIIAS is not only about introducing new products but also about education and revitalizing the automotive market," he noted.

UNDIP Rector Prof. Suharnomo reaffirmed UNDIP's commitment to collaboration and innovation through hosting GIIAS on campus. "UNDIP is proud to host this event, as students and the academic community can witness firsthand the latest automotive technologies. This momentum encourages us to strengthen research, innovation, and community engagement that bring tangible benefits to society," he said. The exhibition features more than 50 automotive brands and supporting industries, providing visitors access to cutting-edge technologies, test drives, and educational sessions. Ticket access is available via the Auto360 application or website, with the first 100 UNDIP students daily receiving free entry by presenting their student ID.

By hosting GIIAS Semarang 2025, Universitas Diponegoro reinforces its dual role as an academic institution and strategic partner for national industrial advancement. The event embodies the spirit of "Noble and Valuable UNDIP," translating innovation, collaboration, and knowledge into real contributions for society and Indonesia's automotive future.



POPULAR CULTURE IS MORE THAN A TREND — IT REFLECTS SOCIAL IDENTITY: THE EXPERT SAYS!

oleh Humas Undip



UNDIP, Semarang (September 7, 2025) — The Public Relations Team of the Faculty of Humanities, Universitas Diponegoro (FIB UNDIP), recently conducted an interview with Arido Laksono, S.S., M.Hum., a lecturer known for his expertise in popular culture studies. During the discussion, Arido explored how popular culture operates within society and influences the thinking patterns of today's generation. "I focus on popular culture, especially in the context of cultural politics and cultural history," said Arido. He also emphasized his interest in pluralism, multiculturalism, and folklore, which he described as closely connected to Indonesia's rich oral traditions.

According to Arido, popular culture—or pop culture—is a cultural product shaped by industry to meet market demands. The products of this culture—ranging from fashion to lifestyle—are then consumed by the public and, over time, form part of their identity. "The way someone dresses, the products they choose, even their lifestyle, are largely shaped by industrial representations. That consumption ultimately reflects who they are," he explained. He added that popular culture is dynamic and cyclical in nature. "What was trendy in the 1970s can resurface now as vintage. History repeats itself, and so does culture," he said.

In the context of education, Arido highlighted how popular culture influences students, particularly in shaping their habits and values. He cautioned that excessive exposure to industry-driven trends could encourage consumerism. "If they are not careful, students can fall into a consumerist mindset. In reality, culture should be the result of human adaptation for survival, not merely to fulfill market desires," he said. Nevertheless, he emphasized that understanding popular culture also broadens students' perspectives, making them more critical, adaptive, and aware of social dynamics.

Addressing the topic of career prospects for humanities graduates, Arido noted that the postmodern era has blurred the boundaries between academic backgrounds and professional fields. "Many of my friends who studied history or literature are now thriving in marketing, the health industry, and the creative sector," he said. He stressed that humanities graduates possess critical and solution-oriented thinking skills that are invaluable in today's fast-changing world. "Humanities students are equipped to think in solutions and remain open to diverse perspectives. This skill is crucial in today's dynamic job market," he added.

Concluding the interview, Arido underscored that popular culture is not merely about entertainment but a complex reflection of human life and social interaction. Through cultural understanding, students learn not only about others but also about themselves. "Culture is a space to think, to question, and to find one's identity," he said. His insights reflect FIB UNDIP's continuous commitment to cultivating humanist perspectives and critical awareness among its students, preparing them to engage thoughtfully with global cultural challenges.

FROM UNDIP TO BASIDONDO SUB-DISTRICT: LISTENING TO WHISPERS OF HOPE FROM A TRANSMIGRATION LAND

oleh Humas Undip



UNDIP, Tolitoli, Sulawesi Tengah (September 16, 2025) — The journey of Patriot Expedition Team II from Universitas Diponegoro (UNDIP) reached Basidondo Subdistrict, a transmigration area in Tolitoli Regency, Central Sulawesi. Once a quiet settlement, Basidondo has transformed into a thriving agricultural hub, home to thousands of families who migrated from various regions. Stretching across fertile lands, the area now boasts vast rice fields, coconut groves, oil palm plantations, as well as coffee and cocoa farms that form the backbone of its local economy.

The expedition, a collaboration between UNDIP and the Ministry of Transmigration, aims to identify and recommend potential leading commodities in transmigration areas. Beyond statistical mapping, the project explores the full landscape of community life—its agricultural practices, business opportunities, and social resilience. The team conducted extensive field observations, interviews, and soil analysis to produce data that reflect real community conditions. “Basidondo Subdistrict is like a food warehouse. What we need now is a strategy so the harvests don’t just stop here, but reach wider markets,” said Roedloff, Head of the Tolitoli Regency Transmigration Office.

Through informal discussions held directly with farmers, the team gathered valuable insights into local livelihoods. Farmers identified coconut, cocoa, and coffee as the three main commodities supporting their households. Coconuts remain the symbol of Basidondo, processed into copra and cooking oil at the household level. Cocoa contributes steady income but faces pest and quality challenges, while coffee has recently gained traction as demand continues to rise. “The way forward is collaboration between government, communities, and young people willing to take part,” one farmer expressed during the field dialogue.

While these commodities hold significant potential, logistical limitations and market access remain key challenges. To address them, the Patriot Expedition Team documented opportunities and barriers, developing recommendations for submission to both the Tolitoli Transmigration Office and the Ministry of Transmigration. The area’s history as a transmigration site has produced generations of resilient residents who continue to merge their ancestral wisdom with innovation, transforming Basidondo into a land of both heritage and progress.

The Patriot Expedition Team II—comprising Septrial Arafat, S.P., M.P.; Zaenal Abidin Puamimi, S.P.; Emanuel Clasiuss, S.P.; Risa Nurhaliza, S.I.P.; and Nok Ayu Nurasih, S.Pi.—represents UNDIP’s commitment to advancing evidence-based community development. This collaboration embodies the spirit of “Noble and Valuable UNDIP,” aligned with the Ministry’s initiative “Diktisaintek Berdampak,” to foster sustainable innovation and empower local communities across Indonesia.

UNDIP PATRIOT EXPEDITION SERVES IN DONGGALA REGENCY, EXPLORING POTENTIAL LEADING COMMODITIES

oleh Humas Undip



UNDIP, Donggala, Sulawesi Tengah (September 20, 2025) — The Patriot Expedition Team II from Universitas Diponegoro (UNDIP) collaborated with the Ministry of Transmigration in a research program focused on the Lalundu and Bambakaenu transmigration areas of Donggala Regency, Central Sulawesi. The program brought together UNDIP lecturers, alumni, and students from multiple disciplines to map and develop the potential of leading commodities within the region. The team was led by Muhammad Iqbal Fauzan, S.P., M.Si., accompanied by alumni Nafachani Timmu Nafsi, S.P.; Sholikatul Azizah Nur Fitriani, S.P.W.K.; Arla Disayna Azzahra Yuniaz, S.A.P.; and undergraduate student Muhammad Naufal from the Agroecotechnology program.

Upon arrival, the UNDIP team received a warm welcome from Donggala Vice Regent Taufik Muhammad Burhan, S.Pd., M.Si., representatives from the Provincial and Regency Offices of Manpower and Transmigration, and the subdistrict heads of Rio Pakava and Pinembani. The local government expressed strong support for strengthening agricultural commodities in the transmigration areas. “We welcome the presence of the Patriot Expedition Team. Their visit shows the central government and universities’ real attention to developing transmigration regions. We hope this synergy will improve community welfare and strengthen local potential,” said the Vice Regent.

The team continued its activities by meeting with village heads and farmer groups in both Lalundu and Bambakaenu to gather information on agricultural practices and challenges faced by local farmers. Abdul Salam, Head of Lalundu Village, stated, “We are glad to be involved in this research process. We hope the team’s findings can serve as a practical guide for developing our village, especially in agriculture and improving residents’ welfare.”

During field discussions, farmers shared their struggles regarding production costs, cultivation techniques, and limited market access. “We can harvest crops, but the main problem is the market. The road to the city is damaged and far, and when it rains, it’s nearly impassable. We end up selling to middlemen at very low prices,” said Tuju, a farmer from Lalundu Village.

As part of follow-up efforts, the Ministry of Transmigration deployed a monitoring and evaluation team on September 12, 2025, to ensure the program runs effectively and produces actionable recommendations for developing transmigration regions. Through this initiative, Donggala Regency has been positioned as one of UNDIP’s priority research sites for 2025. The Patriot Expedition program—focusing on mapping and optimizing commodity potential—reflects UNDIP’s commitment to evidence-based community empowerment and embodies the university’s vision of “Noble and Valuable UNDIP,” in line with the Ministry’s “Diktisaintek Berdampak” initiative.



UNDIP PATRIOT EXPEDITION: WALKING ON CRACKED ROADS, WEAVING HOPE IN THE BASIDONDO TRANSMIGRATION AREA

oleh Humas Undip



UNDIP, Tolitoli, Sulawesi Tengah (September 19, 2025) — The Patriot Expedition Team I from Universitas Diponegoro (UNDIP) began its journey in the Basidondo Transmigration Area, Tolitoli Regency, Central Sulawesi. The transmigration program—one of Indonesia’s landmark initiatives since independence—was designed to balance population distribution, reduce economic disparity, and open new agricultural production centers. The UNDIP team, consisting of Dzul Fahmi Afriyanto, S.KM., M.K.M.; Muhammad Zulfikar; Dasdo Wahyu Saragih, S.PWK.; Wahyu Amara Mahfidarani, S.P.; and Dheta Nafisah Hapsari (Public Communication/UNDIP/Patriot Expedition Team), carried out on-site research and observation to assess infrastructure and socio-economic conditions across the Basidondo region, which includes the subdistricts of Basidondo, Lampasio, and Ogodeide.

The expedition revealed that the Basidondo Transmigration Area—once a remote settlement—has now become home to a vibrant, multicultural community composed of Javanese, Balinese, Sundanese, Nusa Tenggara, and local ethnic groups such as Bugis, Mandar, Dondo, Tolitoli, Kaili, Mori, Buol, and Bajo. Despite strong social cohesion under the regional motto “Salam Gotong Royong,” the community continues to face significant challenges, particularly in road infrastructure, bridge maintenance, and basic public utilities such as clean water and electricity. “How can our economy progress if the roads themselves are impassable? If the bridge were connected, farmers could easily transport their harvests to market,” said one resident. Most locals depend on agriculture and plantations—cultivating cocoa, coconut, clove, citrus, coffee, corn, and oil palm—but limited infrastructure and market access have hindered growth.

Based on field findings, the UNDIP Patriot Expedition Team formulated several recommendations, including priority funding for road and bridge repairs, expansion of clean water and electricity distribution, and strengthened agricultural commodity mapping with market access support. The team also proposed skill development and diversification of non-agricultural income sources to enhance local resilience. A Basidondo subdistrict official emphasized the area’s strategic importance: “Tolitoli Regency, particularly the Basidondo Transmigration Area, is located near the new national capital (IKN), making it highly potential for supporting regional economic growth through its agricultural and plantation products.”

This initiative highlights that the development of transmigration areas must go beyond population resettlement—it requires sustained commitment through infrastructure improvement, economic diversification, and inclusive empowerment. The expedition aligns with the Sustainable Development Goals (SDGs) on poverty alleviation, food security, clean energy, and economic growth, while also reflecting UNDIP’s vision of “Noble and Valuable UNDIP” in delivering tangible contributions to society and national development.



UNDIP PATRIOT EXPEDITION TEAM: FORMULATING STRATEGIES FOR THE DONGGALA TRANSMIGRATION AREA

oleh Humas Undip



UNDIP, Rio Pakava, Donggala Regency (September 26, 2025) — The Patriot Expedition is a program initiated by Indonesia's Ministry of Transmigration as a strategic effort to develop transmigration areas based on local potential, social innovation, and collaborative governance. The initiative aims to foster new economic growth centers in transmigration regions across Indonesia, including Donggala Regency, Central Sulawesi Province. Team 1 for Donggala Regency, led by Dr. Dian Agus Widiarso, S.T., M.T., from Universitas Diponegoro's Faculty of Engineering, focused on data collection, evaluation, and the formulation of development recommendations in the Lalundu-Bambakaenu Transmigration Area located in Rio Pakava and Pinembani Districts.

Fieldwork activities included surveys, focus group discussions, and assessments of various local potentials, covering physical and environmental, socio-cultural, economic, institutional, and infrastructure aspects. According to Dr. Dian, the expedition goes beyond academic research and represents a tangible contribution to society. "We strive to present recommendations that are not only data-driven but also aligned with community needs. We hope the expedition's report can serve as a guide for village and regional governments in developing the Lalundu-Bambakaenu transmigration area to be more competitive and sustainable," he stated.

The expedition's findings will be compiled into a Transmigration Area Evaluation and Recommendation Document, serving as a reference for policymaking, spatial planning, and institutional strengthening in the region. These recommendations are designed to ensure that transmigration development is carried out in an inclusive, sustainable, and locally grounded manner.

The program also underscores the role of students as agents of change—not only conducting academic studies but also engaging directly with communities, listening to their aspirations, and providing knowledge-based solutions that empower local economies.

Through this joint effort, the Ministry of Transmigration and Universitas Diponegoro (UNDIP) aim to establish Lalundu and Bambakaenu as model transmigration areas that integrate local resources, innovation, and governance, enabling them to evolve into new economic centers in Central Sulawesi. This collaboration reflects UNDIP's commitment to its vision of "Noble and Valuable UNDIP," in alignment with the Ministry's "Diktisaintek Berdampak" program, which emphasizes science and technology that deliver real impact to society.



SYNERGY FOR THE NATION: UNDIP CONTRIBUTES TO STRENGTHENING THE KUMPEH TRANSMIGRATION AREA IN MUARO JAMBI REGENCY

oleh Humas Undip



UNDIP, Jambi (September 17, 2025) — In line with its tagline “Noble and Valuable UNDIP,” Universitas Diponegoro (UNDIP) reaffirmed its commitment to nation-building by actively participating in the Patriot Expedition Program initiated by the Ministry of Transmigration. The program serves as a strategic effort to strengthen transmigration areas, focusing not only on population distribution but also on accelerating regional development based on local potential. UNDIP plays a vital role as an academic partner—combining scientific approaches with community service—to formulate targeted, applicable, and sustainable recommendations.

One of the expedition’s main focal points is Kumpeh Subdistrict, located in Muaro Jambi Regency, Jambi Province. The area is being developed into a new center of economic growth with an emphasis on improving the quality of life for transmigrant communities and managing natural resources sustainably, in alignment with the Sustainable Development Goals (SDGs) on poverty alleviation, food security, and rural development. To initiate collaboration, the UNDIP Patriot Expedition Team met with Muaro Jambi Regent Dr. Bambang Bayu Suseno and Regional Secretary H. Budhi Hartono, who welcomed the partnership and expressed full support for Kumpeh’s development with UNDIP.

Kumpeh’s leading commodity, Duku Kumpeh—a local fruit known for its sweetness—has long been a regional icon. However, production has declined drastically due to a stem-cancer disease caused by fungi, which has killed many trees. Farmers are gradually shifting to other crops, yet agricultural potential remains strong. In Maju Jaya Village, a former transmigration settlement, residents have successfully cultivated chili.

The community even held a harvest festival on September 15, 2025, symbolizing a renewed spirit of productive land use. UNDIP provided insights and technical input to support more sustainable and diversified agricultural practices.

Beyond fieldwork, UNDIP also participated in preparing the Kumpeh Subdistrict Budget (APBDes), helping ensure that every development plan reflects community needs and sustainability principles. Careful, data-driven planning is considered a key factor in building resilient, independent, and competitive transmigration regions. This collaboration demonstrates the strategic role of universities as partners of local and central governments in realizing evidence-based policies for inclusive regional growth.

Through its participation in the Patriot Expedition, UNDIP continues to demonstrate the tangible contribution of higher education institutions to national development while supporting the achievement of the SDGs at the local level—driving change from villages for a better Indonesia. The initiative also embodies UNDIP’s “Noble and Valuable UNDIP” mission, in harmony with the Ministry’s “Diktisaintek Berdampak” program, which promotes impactful science and technology for society.

UNDIP PATRIOT EXPEDITION TEAM MAPS THE POTENTIAL OF TRANSMIGRATION AREAS IN MUSI RAWAS REGENCY

oleh Humas Undip



UNDIP, Musi Rawas South Sumatra (September 22, 2025) — The Patriot Expedition Team—a collaboration between Universitas Diponegoro (UNDIP) and the Ministry of Transmigration of the Republic of Indonesia—continues to strengthen its role in regional development. Stationed in the Simpang Rimau-Muara Kelingi area of Musi Rawas Regency, the team conducted a series of coordination meetings with regional government agencies to support the successful implementation of the expedition's objectives. The discussions focused on acquiring essential spatial data as the foundation for mapping and developing the potential of transmigration areas.

The series of meetings took place on Friday, September 19, 2025, involving three key institutions: the Department of Manpower and Transmigration of Musi Rawas Regency, the Department of Public Works, Human Settlements, and Housing, and the Regional Development Planning Agency (BAPPEDA) of Musi Rawas Regency. The Patriot Expedition Team II, led by Dr. Robetmi Jumpakita Pinem, S.AB., MBA., Ph.D., and supported by members Adam Patria Nusantara, S.PWK., Muhammad Nadif Rizqulloh, S.I.Kom., Nadiroh, S.P., and Rizki Dwi Setyowati, S.T., was accompanied by a special team from the local Department of Manpower and Transmigration during the coordination process.

In these meetings, the UNDIP team met directly with Alexander Akbar, S.E., M.E., Head of the Musi Rawas Regency Department of Manpower and Transmigration, as well as representatives from the Public Works and BAPPEDA offices. During the dialogue, the team expressed the need for comprehensive spatial and regional data, including hydrological, geomorphological, geological, energy resource, and infrastructure information, along with spatial planning documents and historical data on transmigration placement from the initial phase to the present.

"This coordination marks a strategic step toward aligning our efforts with local government plans to ensure accurate and integrated mapping of transmigration potentials," said Dr. Robetmi Pinem.

The coordination aims to strengthen synergy between the Patriot Expedition team and regional government agencies, ensuring that the development of transmigration potential maps is carried out comprehensively and sustainably. The spatial data collected will serve as the foundation for formulating strategies to enhance regional development, identify leading commodities, and plan infrastructure improvements to support community growth in transmigration areas.

Through this initiative, UNDIP reaffirms its commitment to the vision "Noble and Valuable UNDIP" while supporting the "Diktisaintek Berdampak" program of the Ministry of Transmigration. The collaboration also contributes to achieving the Sustainable Development Goals (SDG 11) — Sustainable Cities and Communities. By strengthening synergy among academics, government, and local communities, the expedition aspires to create a model for inclusive, resilient, and sustainable transmigration area development that benefits future generations.

PATRIOT EXPEDITION TEAM 2025 CONDUCTS ECONOMIC POTENTIAL MAPPING IN NGAMBUR

oleh Humas Undip



UNDIP, Ngambur Lampung (September 26, 2025) — The Patriot Expedition Team I from Universitas Diponegoro (UNDIP) has begun its field mission in Pesisir Barat Regency, Lampung Province, focusing on research and mapping of economic potential in the transmigration area. The assignment, running until December 12, 2025, aims to develop a systemic foundation for the region through diagnostic studies, collaborative governance frameworks, and community-based corporate models grounded in local potential.

Ngambur Subdistrict was selected as the primary research location due to its promising resources and long-standing status as a transmigration area. Data from the Central Statistics Agency (BPS) highlights key commodities such as oil palm, coconut, rice, and cattle farming. These sectors serve as the foundation for developing Ngambur into a new regional economic hub, integrating local strengths with sustainable growth strategies.

The UNDIP Patriot Expedition Team's evaluation goes beyond identifying challenges—it also seeks strategic opportunities within local dynamics. The study involves mapping local actors, community strengths, natural resource conditions, and access to basic services, analyzed through thematic and spatial lenses. This approach is designed to produce data-driven and actionable recommendations to guide future policy formulation.

According to local officials, the government of Pesisir Barat fully supports this initiative. Through its relevant agencies, including the Department of Transmigration, the government expressed optimism that the research would serve as a foundation for evidence-based development planning. “The transmigration area in Ngambur holds significant potential to grow rapidly if supported by accurate data and locally grounded strategies,” said a Pesisir Barat government representative during a coordination meeting with the UNDIP team.

Beyond research, the team also fosters open communication with local communities to ensure that residents are active participants in the process. The UNDIP expedition emphasizes mutual learning, where scientific findings are combined with community insights. The expedition's outcomes are expected to help position Pesisir Barat as a resilient, competitive, and well-managed region, contributing to the national goal of creating new centers of economic growth in transmigration areas. This joint initiative with the Ministry of Transmigration reflects the spirit of “Noble and Valuable UNDIP”, in line with the ministry's “Diktisaintek Berdampak” program.

RAWA PITU TRANSMIGRATION AREA: A GRANARY AWAITING THE PATH TO PROSPERITY

oleh Humas Undip



UNDIP, Tulang Bawang Lampung (September 24, 2025) — The Patriot Expedition Team from Universitas Diponegoro (UNDIP) conducted field research in the Rawa Pitu Transmigration Area, Tulang Bawang Regency, to assess the region's leading commodities and existing challenges. Known as one of Lampung's major food-producing regions, Rawa Pitu has strong potential in rice farming and oil palm plantations, which form the backbone of local livelihoods.

Agricultural Potential and Productivity

Rawa Pitu encompasses thousands of hectares of productive farmland. The average rice yield reaches 5–6 tons per hectare per season, contributing tens of thousands of tons of grain annually to Lampung's food supply. In addition, oil palm plantations cover hundreds of hectares, offering significant potential to strengthen the local economy. However, the palm oil sector has yet to receive serious attention, as national priorities remain focused on achieving food self-sufficiency rather than plantation development.

Challenges Identified by the Team

During the research, the UNDIP Patriot Expedition identified several key issues affecting community productivity. These include unresolved land disputes, damaged roads, poorly maintained irrigation systems, stolen or inoperable milling equipment, and the absence of a distinctive Rawa Pitu rice brand, forcing farmers to sell unprocessed grain at low prices. Additionally, the price of rice remains below the national standard due to infrastructure constraints, while the oil palm sector remains underdeveloped despite its economic potential.

Government and Stakeholder Response

To address these concerns, the UNDIP team held discussions with village heads and farmers' associations (gapoktan) to collect data and map both issues and opportunities.

The initiative received positive feedback from stakeholders, including the Ministry of Transmigration, which emphasized the need for integrated management of the Rawa Pitu area to ensure it functions not only as a food producer but also as an economic growth driver. "Rawa Pitu's potential must be managed holistically, combining agricultural productivity with economic empowerment," a Ministry representative noted.

Strategic Plans and Future Development

As part of its follow-up, the team plans to draft an economic development design and business plan for establishing a "Rawa Pitu Rice" brand to increase the competitiveness of local products in regional and national markets. They also aim to attract investors to develop integrated palm oil and rice industries, focusing on sustainability and community welfare. The expedition underscores that improving road infrastructure remains the most crucial factor in reducing logistics costs and expanding market access.

Through this mission, the UNDIP Patriot Expedition Team highlights both the potential and challenges of Rawa Pitu as a strategic agricultural hub. The initiative demonstrates UNDIP's commitment to "Noble and Valuable UNDIP", in alignment with the Ministry's "Diktisaintek Berdampak" program—bringing research, innovation, and collaboration to drive Indonesia's sustainable development.

UNDIP DEVELOPS ENERGY-EFFICIENT COLD STORAGE WITH PCM TECHNOLOGY TO SUPPORT SUSTAINABLE FOOD SECURITY

oleh Humas Undip



UNDIP, Semarang (September 26, 2025) — Universitas Diponegoro (UNDIP) continues to strengthen its contribution to sustainable innovation through research with real-world impact. In line with the spirit of “Noble and Valuable UNDIP,” lecturers from UNDIP’s Vocational School, in collaboration with industry partners, are developing an energy-saving cold storage system powered by Phase Change Material (PCM) technology to tackle global challenges in food security and energy efficiency.

Globally, malnutrition and food waste remain pressing issues, with over 820 million people affected by hunger and 1.3 billion tons of food wasted each year, resulting in losses of USD 940 billion. According to Dr. Mohamad Endy Julianto, S.T., M.T., lecturer in Industrial Chemical Engineering Technology (TRKI) at UNDIP’s Vocational School, food storage systems also contribute significantly to global emissions. “Refrigerant-based cold storage is effective, but its energy use and operational costs are extremely high. In fact, this sector accounts for up to 30% of global energy consumption,” he explained.

To address this, UNDIP researchers in collaboration with PT Dewa Salju Nusantara have developed Latent Thermal Energy Storage (LTES) technology. The system uses PCM to store and release energy through phase transitions, reducing energy consumption by up to 25%. “With PCM, the risk of food spoilage can be reduced, production costs lowered, and cooling systems made more environmentally friendly,” Dr. Endy added. The PCM-based innovation is also being applied to cold-chain logistics, benefitting farmers, livestock breeders, and small-scale businesses that face high electricity costs from conventional refrigeration.

The UNDIP research team—comprising Prof. Dr. Ir. Eflita Yohana, M.T., Ph.D.; Dr. Sri Utami Handayani, S.T., M.T.; Dr. (cand.) Didik Ariwibowo, S.T., M.T.; Hermawan Dwi Ariyanto, S.T., M.Sc., Ph.D.; and Dr. Indah Hartati, S.T., M.T., with support from Dr. Ria Desiriani, S.T., M.T. (BRIN)—worked alongside PT Dewa Salju Nusantara led by Muh Hatiful Choliq, S.T. “This PCM-based cooling system is designed using vapor compression technology with two evaporators and one compressor. Heat captured from the air and stored in the chamber is absorbed by the PCM and released efficiently. The system is automatically controlled using solenoid valve actuators, making it more reliable,” Dr. Endy explained.

Through this innovation, UNDIP reinforces its role as a university that not only advances science but also delivers practical solutions for society. The PCM-based cold storage technology marks a strategic step toward sustainable food preservation and reduced environmental impact, fully supporting the Ministry’s “Diktisaintek Berdampak” program to ensure that academic research contributes tangible benefits to the community.



UNDIP ARCHERY CLUB WINS THIRD PLACE AT IPB OPEN 2025 WITH 11 MEDALS

oleh Humas Undip



UNDIP, Bogor (September 25, 2025) — The Archery Student Activity Unit of Universitas Diponegoro (UKM Panahan UNDIP) achieved remarkable success at the IPB Open 2025, securing 11 medals and placing third overall in one of the country's most prestigious university archery tournaments. The event, held in Bogor, brought together top archers from universities across Indonesia.

According to the team's coach, this victory is the result of months of rigorous training, discipline, and teamwork. "Our athletes have shown outstanding consistency and resilience. Each medal represents not only individual skill but also the strength of our unity as a team," he said.

UNDIP's archers performed exceptionally across multiple categories. In the Men's Student Recurve Individual event, UNDIP swept both gold medals through Hanif Fikri Irfansyah (qualification) and Hafizh Kurnia Ernanto (elimination). In the Barebow and Compound categories, the university's athletes also claimed several podium finishes. The team's total medal count included two golds, four silvers, and two bronzes in individual and team events, as well as three additional medals in mixed team competitions.

The achievement is a milestone for UNDIP's sports community, reinforcing the university's commitment to holistic student development through academic and non-academic excellence. "This accomplishment proves that UNDIP students are not only excelling in academics but also in sportsmanship and national competition," said a representative from the university's Student Affairs Directorate.

The university expressed its full support for the continued development of student athletes through improved facilities, professional coaching, and national-level exposure. With the success at IPB Open 2025, UNDIP's Archery Team is expected to continue representing the university with pride and determination in future competitions — embodying the spirit of "Noble and Valuable UNDIP."

FISIP UNDIP STUDENTS WIN SILVER MEDAL AT INTERNATIONAL INDONESIA INVENTORS DAY 2025

oleh Humas Undip



UNDIP, Semarang (September 17, 2025) — The Faculty of Social and Political Sciences, Universitas Diponegoro (FISIP UNDIP) proudly celebrates an international achievement by Ainun Rahimah Iskandar, a 2023 Communication Science student, who earned a Silver Medal at Indonesia Inventors Day 2025. Organized by INNOPA, the competition was held from September 11-14, 2025, at the SMESCO Exhibition Hall in Jakarta, gathering inventors and innovators from around the world. Ainun joined six other UNDIP students from Psychology, Statistics, and Informatics to form the team “Charing Cub,” presenting their innovation titled “Charing Cub: A Digital Innovation for the Future of Children and Family Empowerment.”

As the sole representative from FISIP, Ainun highlighted the vital role of social and political sciences in advancing innovation. “FISIP plays a crucial role in ensuring that every innovative idea does not stop at the level of technology but can be understood, accepted, and impactful for society,” Ainun said. She also emphasized that cross-faculty collaboration reflects UNDIP’s strong academic ecosystem, stating, “This collaboration shows that UNDIP encourages synergy to produce world-class works and globally recognized achievements.”

This international recognition stands as a source of pride for FISIP UNDIP, proving that its students are not only engaged in social and political studies but also actively contribute to digital innovation. The success underscores the faculty’s adaptive and interdisciplinary character—preparing competitive students ready to excel on the global stage while embodying the spirit of “Noble and Valuable UNDIP.”

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