



2025

SUSTAINABILITY REPORT

**UNIVERSITAS PENDIDIKAN MUHAMMADIYAH
(UNIMUDA) SORONG**



RECTOR'S FOREWORD

Praise be to the presence of Allah SWT for His abundant grace and grace, so that Universitas Pendidikan Muhammadiyah (UNIMUDA) Sorong can prepare a Sustainability Performance Report for 2025 with the theme "Towards a Green and Sustainable Campus through the Utilization of ICT and Local Wisdom". This report is a tangible manifestation of UNIMUDA Sorong's commitment to implementing sustainability principles, as well as its support for achieving the Sustainable Development Goals (SDGs) and participation in the UI GreenMetric World University Rankings.

As a university that plays a strategic role in the Southwest Papua region, UNIMUDA Sorong consistently strives to integrate sustainable values into its academic activities, research, community service, Al-Islam Kemuhammadiyah, and campus management. Through the use of Information and Communication Technology (ICT) and local wisdom, UNIMUDA Sorong is committed to creating a campus environment that is green, energy-efficient, and environmentally friendly.

This report contains various programs, achievements, and innovations that have been carried out by UNIMUDA Sorong during the period November 2024 – October 2025, including infrastructure, energy and water management, carbon emission reduction, waste management through the 3R principle, sustainable transportation development, education and research, and the implementation of campus digital systems. We hope that this report will serve as a source of reflection and inspiration for the entire academic community to continue strengthening the culture of sustainability.

Sorong, 29 October 2025

Penanggung Jawab,
Rektor

A handwritten signature in blue ink is written over a red circular official stamp. The stamp contains the text "UNIVERSITAS PENDIDIKAN MUHAMMADIYAH SORONG" around the top edge and "UNIMUDA REKTOR" around the bottom edge. The signature is a cursive-style name that appears to be "Dr. Rustamadji".

Dr. Rustamadji, M.Si.

EXECUTIVE SUMMARY

The Sustainability Report of Universitas Pendidikan Muhammadiyah (UNIMUDA) Sorong was prepared as a form of institutional accountability for the implementation of the principles of green campus and sustainable development. During the period from November 2024 to October 2025, UNIMUDA Sorong has demonstrated significant progress in resource management and the strengthening of sustainable campus governance, aligning with UI GreenMetric indicators and the Sustainable Development Goals (SDGs).

In the field of campus infrastructure, UNIMUDA Sorong focuses on developing environmentally friendly facilities that support both academic and non-academic activities. The construction of the new building prioritizes aspects of energy efficiency, green spatial planning, and accessibility for the entire scholarly community. The campus green area continues to be expanded through tree-planting activities and the management of educational parks that serve as open learning spaces. Additionally, the infrastructure governance system is integrated with the SIMUDA digital platform (UNIMUDA Management Information System), which enables the ongoing planning, monitoring, and evaluation of campus facilities.

In the aspect of energy and water management, UNIMUDA Sorong has implemented various efficiency innovations. The use of energy-efficient LED lights, ICT-based electricity consumption monitoring systems, and utilizing rainwater for non-potable needs are concrete steps in reducing carbon emissions and conserving natural resources. Educational activities promoting energy- and water-saving behavior are also conducted through digital campaigns and integrated into learning activities.

UNIMUDA Sorong also continues to strengthen waste management programs through the 3R (Reduce, Reuse, Recycle) principle and sustainable transportation development. Various initiatives have been implemented, including waste sorting at the source, processing organic waste into compost, and paper recycling. In the field of transportation, the campus limits the parking area for motor vehicles. It provides pedestrian paths and shuttle services to support the efficient and environmentally friendly mobility of lecturers, teachers, and students. This innovation not only reduces the carbon footprint but also raises awareness of the importance of green transportation in the academic environment.

In the field of education and research, UNIMUDA Sorong consistently integrates sustainability issues into its curriculum, research, and community service. Through the support of the campus digital system, learning activities, scientific publications, and research collaborations are focused on the themes of renewable energy, water conservation, and sustainable local food development. All of these initiatives show that UNIMUDA Sorong is not only committed to resource efficiency but also plays an active role as a center for innovation and green transformation in the Southwest Papua region. This report reflects the institution's journey towards a green campus that is both globally competitive and rooted in local wisdom.

PROFILE OF UNIMUDA SORONG

Universitas Pendidikan Muhammadiyah (UNIMUDA) Sorong stands as a higher education institution committed to developing superior human resources in the eastern region of Indonesia. Located in Sorong Regency, Southwest Papua, UNIMUDA Sorong actively contributes to the development of sustainability-based education, research, and community service.

VISION, MISSION, GOALS, AND SUSTAINABILITY COMMITMENTS

The vision of UNIMUDA Sorong is "To become a *World Class University* in the development of science and technology based on *Entrepreneurship* and Multiculturalism in 2037".

Mission: 1) To provide quality and global perspective higher education through the development of Entrepreneurship-based and multicultural science and technology. 2) To organize research, community service, and publications to answer national and global problems. 3) Developing an *entrepreneurial spirit* in accordance with the existing scientific fields, namely *Edupreneur*, *Tourismpreneur*, *Technopreneur*, *Religiouspreneur*, *Aquaprenuer*, *Agriprenuer*, *Poltrypreneur*, and *Sociopreneur*. 4) Establishing cross-sector cooperation with the government and other parties on a national and international scale. 5) Implement governance that synergizes in each line with the principles of professionalism and humanism. 6) Realizing all activities of the Muhammadiyah Sorong Education University as a progressive Muhammadiyah civilization movement.

The general goal of the University is to prepare human resources who possess character, integrity, devotion to Allah SWT, noble character, and uphold the value of differences (tolerance), who also have academic and professional abilities in the Land of Papua.

The University's specific objectives are: (1) Improving access, quality, and relevance of learning, (2). Improving the quality of research, scientific publications, and the acquisition of IPR and product innovation, (3). Improving the quality of community empowerment and value transfer programs (4). Improving the quality of cooperation through the development of Entrepreneurship synergy, (5). Increasing the independence of higher education, (6). Achieving a professional and superior university image (7) and embracing progressive, multicultural educational values.

Commitment: UNIMUDA Sorong is committed to striking a balance between academic progress and environmental conservation through innovation, technology, and cross-sectoral collaboration.

SUSTAINABILITY PROGRAMS AND ACHIEVEMENTS

SDG 1 – No Poverty

Universitas Pendidikan Muhammadiyah (UNIMUDA) Sorong is committed to making a tangible contribution to poverty alleviation through inclusive education, community economic empowerment, and human resource development.

One of the flagship initiatives is the Affirmation Scholarship Program and Disadvantaged Regional Cadres, which provides higher education opportunities for students from low-income families and 3T areas. More than 1,500 students have received assistance through the KIP Lecture scheme, Muhammadiyah scholarships, and partnerships with the CSR industry and local governments. This program not only helps with financing but also opens access for the young generation of Papua to develop their academic and social potential.



Through the activities of PPK Ormawa Humman UNIMUDA Sorong, students actively conduct local food-based entrepreneurship training for the people of Aimas District and its surrounding areas. This program focuses on processing local food ingredients such as sago, yams, and bananas into marketable value-added products. These activities promote the economic independence of the community, particularly among women and youth, and foster a spirit of sustainable entrepreneurship.

In addition, UNIMUDA Sorong develops an ICT-based Information System to monitor the business development of the assisted community and provide online consulting services. Through this system, the public can access training modules, simple financial records, and digital marketing strategies for local products. This effort marks Unimuda's advanced step in utilizing technology for economic equity and social welfare.



The involvement of students and lecturers in various cross-sector service activities also shows the synergy between the campus, local government, and the community. The impact of all these programs can be seen in the increase in the number of fostered MSMEs and the growth of household economic capacity. Thus, UNIMUDA Sorong plays an active role in realizing SDG 1 through education, empowerment, and technology for poverty alleviation in Southwest Papua.

SDG 2 – Zero Hunger

UNIMUDA Sorong continues to develop various innovations and collaborations to support food independence based on the local potential of Southwest Papua. The main focus is directed at increasing agricultural productivity, diversifying local food, and empowering village communities through technology and knowledge transfer.

The flagship program carried out is the Development of Yam and Sago Agribusiness Based on Papuan Local Wisdom, which involves lecturers and students of the Faculty of Agriculture. Through research and technical assistance, the community is invited to optimize taro and sago cultivation as alternative food sources that have high nutritional and economic value.

In addition, UNIMUDA Sorong Agribusiness students actively participated in the 124th TMMD Program with Korem 181/PVT, which focuses on the development of agricultural facilities, crop processing, and food security education in rural areas. This collaboration strengthens the relationship between the campus, government officials, and the community in realizing competitive and sustainable agriculture.



UNIMUDA Sorong also supports local government programs through the Cheap Food Movement, organized by the Agriculture, Food, Marine, and Fisheries Office of Southwest Papua Province, in the courtyard of the Prof. Zamrani Building at UNIMUDA Sorong. This activity aims to maintain price stability and ensure the availability of staple foods, while also helping people access quality food at affordable prices. The presence of the campus as a partner in the activity shows Unimuda's active role in connecting public policy with the real needs of the community.



Through these various initiatives, UNIMUDA Sorong has successfully demonstrated its role as a center for innovation and community empowerment in addressing the challenges of hunger and food security. This sustainable effort reflects the campus's commitment to supporting SDG 2 concretely through the synergy between education, research, service, and technology for the community's food prosperity.

SDG 3 – Good Health and Well-Being

One of the crucial achievements is the development of UNIMUDA Medical Center (UMC) as an integrated health service center on campus. UMC serves not only as a screening and treatment facility, but also a center for health education and disease prevention. Through the clinic accreditation program launched in 2025, UMC is expanding its promotive and preventive services, including new student health checks, nutrition counseling, and early detection of non-communicable diseases.



The campus is also actively involved in promoting health and healthy lifestyles through campaigns that include students, lecturers, and education staff. One of the significant activities that recorded national achievements was the breaking of the MURI Record by UNIMUDA Sorong in mass sports activities and physical health campaigns, which involved thousands of participants from various circles.

Collaboration with the Sorong City Health Office is one of the essential strategies in expanding the social impact of health programs. Through nutritional counseling and the promotion of a healthy lifestyle, UNIMUDA students and lecturers play an active role in supporting the community around the campus, particularly vulnerable groups such as children and women. This educational approach encourages sustainable change in clean and healthy living behaviors at the community level.



In the field of community service, students who are members of the 2025 Community Service Lecture (KPM) – Shaping the Future for Environment and Society conduct environmental health and cleanliness education in the Aimas, Salawati, and Arar Island areas. In addition, through the "Gathering Students to Grow Environmental Cadres in Schools" activity on Arar Island, UNIMUDA instills awareness of environmental health and cleanliving behaviors in the younger generation from an early age.

As a form of social inclusion in the health sector, UNIMUDA Sorong also participates in the dissemination of disability data in Sorong City, in collaboration with the national solidarity platform. This effort strengthens the campus's commitment to ensuring access to health services and information for all groups, including people with disabilities.



SDG 4 – Quality Education

In an effort to strengthen the digital learning system, UNIMUDA Sorong carries out various capacity-building programs for lecturers and teachers through training and workshops on ICT-based learning innovations. Activities such as the national seminar, with the theme "Towards an Impactful Campus," featured education expert Prof. Ahmad, who discussed effective and contextual digital learning strategies. This initiative accelerates campus transformation towards a technology-based education model that is adaptive to the development of the Industrial Era 5.0, while supporting the implementation of a Learning Management System (LMS) accessible to lecturers and students across all faculties.



The 2025 Community Service Lecture (KPM) – Shaping the Future for Environment and Society is clear evidence of the implementation of SDG 4 in the field. In this program, students are deployed to various regions, including Aimas, Salawati, and Arar Island, to assist teachers, students, and the community in literacy, numeracy, and environmental and technology-based learning training. This program not only enhances students' competence as prospective educators but also strengthens the relationship between the campus and society in building a relevant and sustainable education.



Additionally, the "Gathering of Students to Grow Environmental Cadres in Schools" activity on Arar Island served as a vehicle for character and leadership development among students at both the elementary and secondary school levels. Through this activity, UNIMUDA Sorong instills the values of environmental awareness, collaboration, and social responsibility in students from an early age, in line with the spirit of the Pancasila Student Profile and the campus's vision as a pioneer of transformative education in the eastern region of Indonesia.



SDG 5 – Gender Equality

Universitas Pendidikan Muhammadiyah (UNIMUDA) Sorong is strongly committed to achieving gender equality and empowering women as an integral part of sustainable development. As a university that places human values and social justice at the basis of its institutional management, UNIMUDA Sorong continues to create an equal space for women in education, leadership, research, and community service.

One of the flagship programs supporting gender equality is the provision of scholarships for outstanding female students from underprivileged families, which is launched in conjunction with the new student admissions *for the 2025/2026 Academic Year*. This program not only provides access to education for women from economically disadvantaged backgrounds but is also a tangible manifestation of the university's commitment to producing a generation of women who are resilient, competitive, and actively contribute to regional development.



In addition, UNIMUDA Sorong actively implements training programs for women's skills and entrepreneurship, focusing on the creative and digital economy. Through *Digital Marketing training activities for Papuan MSMEs* (source: Pilar Indonesia), women micro-entrepreneurs are equipped with digital marketing communication skills to expand their market reach and increase family income. This activity is a tangible manifestation of local women's economic empowerment that is oriented towards independence and digital transformation.

Within the internal scope of the campus, increasing women's participation in leadership and student organization activities continues to be encouraged. UNIMUDA Sorong offers numerous opportunities for lecturers and students to assume strategic roles in research, campus committees, and managerial positions within various organizational units. The increasing involvement of women in decision-making at the faculty and research institution levels is proof of the campus's progress in creating an inclusive and gender-equitable environment.



SDG 6 – Clean Water and Sanitation

One of the concrete steps taken is the provision of water-saving facilities in the campus area, including the installation of automatic faucets and rainwater harvesting systems used for non-consumptive needs, such as garden watering and maintaining campus cleanliness. This innovation has proven effective in reducing groundwater consumption and enhancing the efficiency of water resource use.

In addition, UNIMUDA Sorong consistently conducts environmental cleanliness and sanitation education campaigns through student activities and campus organizations. Activities such as the Community Service Lecture (KPM) 2025 – Shaping the Future for Environment and Society became a forum for more than 320 students to engage directly with the community, providing counseling on clean water management, household sanitation, and promoting healthy, clean living behaviors (PHBS).



Through this activity, students not only become agents of change but also social learners who understand the importance of sustainable water resource management.

Another program that helps strengthen the implementation of SDG 6 is the Student Meeting to Grow Environmental Cadres in Schools, which was successfully held on Arar Island (source: greencampus.unimudasorong.ac.id). In this activity, UNIMUDA Sorong collaborates with surrounding schools to form a cadre of environmental students who are trained in water conservation, waste management, and school sanitation practices. This effort is an integral part of building ecological awareness of the younger generation in the Sorong archipelago.



At the institutional level, UNIMUDA Sorong also conducts periodic monitoring of water use efficiency and campus liquid waste management through a digital-based internal audit system. The audit results serve as the basis for preparing water efficiency policies and enhancing environmentally friendly sanitation facilities in each lecture building and laboratory.

SDG 7 – Affordable and Clean Energy

One of the real-world implementations supporting SDG 7 – Clean and Affordable Energy is the introduction of energy efficiency programs through the use of LED lights throughout the campus area. The transition from conventional lighting systems to LEDs is being implemented in stages from 2023 to 2025. It has resulted in a significant reduction in electricity consumption in various lecture buildings, laboratories, and public areas.

This innovation is equipped with an Information and Communication Technology (ICT) based electricity consumption monitoring system that allows real-time monitoring of energy use. Through this system, UNIMUDA Sorong's facilities and infrastructure department can monitor electricity usage trends, identify areas with high consumption, and design more targeted energy-saving policies. This effort not only supports the operational efficiency of the campus but also becomes a learning tool for students in the application of green technology.

In addition to energy efficiency, UNIMUDA Sorong also develops educational and research programs on renewable energy, involving lecturers and students across various faculties. This research includes small-scale solar panel innovations for environmental lighting and renewable energy learning models in the archipelago. This effort strengthens UNIMUDA's position as a center for sustainable energy innovation in the eastern region of Indonesia.

Socialization and sustainable education activities are also carried out through Community Service Lectures (KPM), which raise the theme of energy and environmental conservation. In this activity, students educate the community around the campus and the target area on Arar Island about the importance of energy efficiency, the use of renewable energy sources, and the saving of electricity in households.

With an integrated strategy that combines energy-efficient infrastructure, digital monitoring technology, applied research, and community empowerment, UNIMUDA Sorong has successfully positioned itself as one of the universities that are proactive in supporting national and global targets related to clean and affordable energy. This initiative not only reduces the campus's carbon footprint but also serves as an inspiration for sustainable energy transformation in the Southwest Papua region.

SDG 8 – Decent Work and Economic Growth

One of the strategic steps that has been realized is the establishment of the UNIMUDA BUSINESS AND ENTREPRENEURSHIP INCUBATOR CENTER (PIBK). This facility serves as a forum for students to develop creative business ideas that leverage technology, social insights, and local wisdom. Through intensive mentoring, business management training, and access to a network of business partners, this incubator has successfully fostered the spirit of entrepreneurship among students, producing young entrepreneurs who are independent and competitive.

In addition, UNIMUDA Sorong actively establishes strategic partnerships with industry and the business world (IDUKA) to provide internship programs, innovation grants, and work competency-based training. Through this collaboration, students gain real experience in the professional world and are able to apply academic knowledge in the real industry context. This collaboration is also an effective path in expanding job opportunities and strengthening the network of UNIMUDA Sorong graduates in various economic sectors.

Another program that supports sustainable economic growth is the development of Student Social Entrepreneurship, where students are encouraged to create small and medium enterprises (SMEs) based on Southwest Papua's local potential — such as local food products, traditional crafts, and creative digital innovation. Through this activity, students not only learn to do business, but also contribute to the empowerment of the community around the campus and the improvement of social welfare.

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PUSAT INKUBATOR BISNIS DAN KEWIRAUSAHAAN...
Terverifikasi | Lembaga Pendidikan | Belum Mengajukan Pemeringkatan

Nama Lembaga Inkubator	PUSAT INKUBATOR BISNIS DAN KEWIRAUSAHAAN (PIBK) UNIMUDA
Induk Lembaga Inkubator	UNIVERSITAS PENDIDIKAN MUHAMMADIYAH SORONG
Nama Pimpinan	EVA MAYA SARI, S.TP, M.SI.
Email	latifah@unimudasorong.ac.id
Nomor Telepon	082335057957
Alamat Kantor	Jl. KH Ahmad Dahlan No. 1 Mariyat Pantai Distrik Aimas Kabupaten Sorong Prov. Papua Barat



SDG 9 – Industry, Innovation, and Infrastructure

Universitas Pendidikan Muhammadiyah (UNIMUDA) Sorong continues to strengthen its role as a center for innovation and sustainable technology development in the Southwest Papua region. This commitment is realized through various initiatives that focus on green infrastructure development, applied research, and the application of digital technology to support an efficient and environmentally friendly education and transportation system.

One of the crucial innovations developed is the use of information and communication technology (ICT) in managing campus infrastructure, including a digital transportation information system that monitors campus shuttle schedules and routes. Through this system, students and staff can access transportation information in real-time, making campus mobility more efficient and environmentally friendly. This innovation is also part of UNIMUDA Sorong's strategy to reduce carbon emissions through green transportation management.

In support of the culture of research and innovation, UNIMUDA Sorong established a Center for Research and Innovation, which serves as a forum for the development of creative ideas, interdisciplinary research, and the dissemination of research results. This program encourages lecturers and students to develop innovations in the fields of sustainable agriculture, educational technology, renewable energy, and local food processing, drawing on traditional Papuan wisdom. Some of these innovations have been included in national innovative technology and product exhibitions.

The campus is also actively involved in projects to design green transportation and IoT-based digital infrastructure systems, utilizing the Internet of Things (IoT) technology. The project encompasses the design of environmentally friendly vehicles, energy monitoring systems, and the development of digital applications to support the academic and administrative activities of the campus. This initiative not only strengthens students' capacity in the field of technology but also instills the value of innovation as an integral part of sustainable development.

In addition to developing internal infrastructure, UNIMUDA Sorong collaborates with local governments and industry partners to construct innovation support facilities, including integrated laboratories, creative technology studios, and digital competency-based training centers. This collaboration offers students the opportunity to participate in infrastructure development and industrial research projects that address regional needs.



SDG 10 – Reduced Inequalities

One of the concrete steps taken is the implementation of an affirmation program and the provision of scholarships for students from remote areas (3T) and underprivileged families. Through this initiative, UNIMUDA Sorong ensures that higher education is accessible to all levels of society, regardless of social, economic, or geographical background. This program is also a tangible form of support for the development of Papuan human resources that are competitive and characterful.

In addition, UNIMUDA Sorong implements the Green Campus program, which not only focuses on environmental management but also functions as a medium for social empowerment and increased community participation. This program includes campus area greening activities and the development of environmentally friendly infrastructure designed to create inclusive and comfortable learning spaces for the entire academic community.

Through the Community Service Lecture (KPM) program on environmental and village community empowerment, students play a role in reducing the development gap between regions by helping communities in 3T areas develop local potential, such as sustainable agriculture, waste management, and digital literacy education. This initiative not only enhances the community's capacity but also fosters a stronger sense of social solidarity and concern among the younger generation.

UNIMUDA Sorong's policy of partiality towards vulnerable groups and disadvantaged areas reflects the values of inclusivity, social justice, and sustainable development that underpin the campus's vision. With strategies based on education, environment, and community partnerships, UNIMUDA Sorong continues to actively contribute to reducing social, economic, and opportunity gaps in the Southwest Papua region.

SDG 11 – Sustainable Cities and Communities

Universitas Pendidikan Muhammadiyah (UNIMUDA) Sorong is strongly committed to supporting sustainable urban and community development in the Southwest Papua region through the development of environmentally friendly infrastructure, sustainable transportation, and active partnerships with the community in building green, safe, and inclusive campus and community layouts.

One of the main initiatives carried out is the Green Campus Program, which integrates sustainability principles in the governance of campus facilities. This program includes campus area greening activities, the construction of green parks, pedestrian paths, and motorized vehicle-free areas. In addition to creating a healthy and comfortable learning environment, this step also contributes to reducing carbon emissions and improving air quality around campus.



As part of the community-based approach, UNIMUDA Sorong also implements community empowerment programs around the campus and coastal areas. Through activities such as "Gathering Students to Grow Environmental Cadres in Schools" on Arar Island, the university actively promotes environmental awareness among students and local communities. The program not only instills sustainability values but also strengthens the social ties between the campus and the coastal community.

In addition to environmental aspects, UNIMUDA Sorong implements an energy efficiency program through the use of LED lights and an ICT-based electricity consumption monitoring system, utilizing Information and Communication Technology (ICT). The system enables real-time monitoring of energy usage in campus buildings, supports the reduction of electricity consumption, and fosters an energy-saving culture within the university environment.

In supporting sustainable mobility, the campus also implements a policy of restricting motor vehicle parking areas and encouraging the use of environmentally friendly transportation, including the provision of shuttle boat services for teachers, lecturers, and students to Arar Island Labschool. This step contributes to reducing air pollution and improving campus transportation efficiency.



SDG 12 – Responsible Consumption and Production

One of the flagship initiatives is the implementation of a waste management program based on the 3R (Reduce, Reuse, Recycle) principle in the campus environment. This program is implemented through waste sorting at the source, the provision of simple recycling facilities, and the “Zero Waste Campus” initiative. In its implementation, UNIMUDA Sorong utilizes an ICT-based monitoring system to control the volume and type of waste generated from academic and non-academic activities. This technology helps to increase the effectiveness of waste management and strengthen the culture of environmental care among the educational community.

In addition to internal waste management, UNIMUDA Sorong is also active in collaborating with local governments and environmental communities to maintain ecosystem sustainability through higher education activities. Through community service, students and lecturers are directly involved in ecological cleanliness activities, natural resource conservation, and socialization of reducing the use of single-use plastics in the Aimas, Salawati, and Arar Island areas. This collaboration is a clear example of the synergy between the campus and the community in fostering collective environmental awareness.

Caturdharma activities that are oriented towards environmental conservation are also integrated with research based on local wisdom. Through research such as "Analysis of the Development Needs of Ethnobiology E-Modules Based on Local Wisdom of the Moi Tribe at UNIMUDA Sorong", the university seeks to combine modern science with the ecological values of indigenous peoples to build awareness of sustainable consumption and wise use of natural resources.

Furthermore, students participating in the 2025 Community Service Lecture (KPM) are also directly involved in the "Shaping the Future for Environment and Community" program, which focuses on recycling education, the use of environmentally friendly materials, and promoting a culture of wise consumption within the community surrounding the campus. This program is also a real learning forum for students to apply SDGs values in caturdharma activities.

SDG 13 – Addressing Climate Change (Climate Action)

One of the concrete steps in supporting the transition to a green campus is an energy efficiency and carbon mitigation program that is realized through the use of energy-efficient LED lights and an ICT-based electricity consumption monitoring system throughout campus buildings. This digital system enables real-time monitoring of electricity usage, helps reduce energy waste, and supports the gradual reduction of carbon emissions. This initiative also strengthens UNIMUDA Sorong's position as a model Smart and Green Campus in the eastern region of Indonesia.

In the realm of *caturdharma*, the university integrates climate action into the Community Service Lecture (KPM) 2025 – Shaping the Future for Environment and Community, which focuses on community education on climate change mitigation. Students and lecturers conducted reforestation campaigns, including tree planting in the campus area and on Arar Island, as well as provided counseling on organic waste management and adaptation to climate change in coastal areas.

In addition to internal activities, UNIMUDA Sorong also establishes a strategic partnership with the Mandala Katalika Foundation. This social and environmental institution focuses on nature conservation and community empowerment in local areas. This collaboration involves implementing conservation training, planting mangrove trees in the coastal region of Sorong, and conducting carbon footprint reduction campaigns based on education rooted in local wisdom. The synergy between UNIMUDA Sorong and Mandala Katalika exemplifies effective academic-community collaboration in expanding the impact of climate action at the regional level.



In terms of education and research, UNIMUDA Sorong developed a study of dynamic systems to support climate-friendly agribusiness policies, including yam production and consumption models based on local Papuan wisdom. This research enhances the university's contribution to developing data-driven solutions that address the challenges of climate change while supporting community food security.

Through a combination of technological innovation, cross-agency collaboration, and community empowerment, UNIMUDA Sorong has successfully established a sustainable climate action ecosystem. This approach makes the university not only a center for education, but also a catalyst for change in realizing climate change adaptation and mitigation based on ICT, research, and local values, in accordance with the principles of Sustainable Development Goal 13 (Climate Action).

SDG 14 – Marine Ecosystems (Life Below Water)

Universitas Pendidikan Muhammadiyah (UNIMUDA) Sorong is firmly committed to supporting the preservation of marine and coastal ecosystems as part of efforts to achieve the goal of SDG 14 – Life Below Water. Located in the coastal area of Southwest Papua, which is rich in marine biodiversity, UNIMUDA Sorong makes the protection of the marine environment an integral part of the Green Campus policy and continuous education based on local wisdom.

One of the main programs is the Marine and Coastal Ecosystem Conservation of Arar Island, which involves students, lecturers, and local communities in mangrove planting activities, coastal cleanup, and education about the importance of protecting marine ecosystems from pollution. This program is conducted annually and is part of the 2025 Community Service Lecture (KPM) – Shaping the Future for Environment and Community. Through these activities, students gain direct knowledge of the relationship between human activities, marine pollution, and the degradation of coastal ecosystems.

This marine conservation activity is also integrated with the Gathering of Students and Environmental Cadres on Arar Island, which the UNIMUDA Sorong Green Campus Center initiated. This program aims to foster students' awareness of the ocean's importance from an early age, recognizing it as a vital source of life. Through educational approaches and ecological games, students are invited to understand the concept of coastal ecosystems, plastic waste cycles, and the impact of microplastics on marine life.

To support the sustainability of marine research, UNIMUDA Sorong developed a field laboratory on Arar Island, which serves as a coastal and marine research center. This laboratory serves as an experiential learning medium for students in biology, agribusiness, and geography education study programs. Through participatory research, students can examine the condition of mangrove ecosystems, seawater quality, and the potential of marine biological resources that can be developed sustainably.

In addition, UNIMUDA Sorong has partnered with the Mandala Katalika Foundation and local coastal communities to conduct a “Blue Awareness” campaign, a social movement aimed at reducing the use of single-use plastics and promoting a sea-friendly lifestyle among students and coastal communities in Sorong. This collaboration has successfully formed a cross-agency environmental action network that focuses on marine ecosystem restoration, grounded in local wisdom and community participation.

SDG 15 – Life on Land

One of the flagship programs is the Campus and Surrounding Environment Greening Movement, which is part of UNIMUDA Sorong's Green Campus policy. This program involves students, lecturers, education staff, and the surrounding community in tree-planting activities on the campus area and coastal areas of Arar Island. This movement not only aims to beautify the campus but also to improve air quality, maintain the balance of microecosystems, and reduce the carbon footprint of institutions.

In addition to the campus environment, land conservation activities are also carried out through Community Service Lectures (KPM), which focus on educating the public about mangrove forest conservation, reforestation of critical land, and sustainable land management based on local Papuan wisdom. Students and lecturers also accompanied forest farmer groups and youth communities in the "Planting a Thousand Trees for the Earth of Papua" program, which serves as a symbol of commitment to land ecosystem conservation and climate change mitigation.

UNIMUDA Sorong also built a Campus Biodiversity Education Park, which serves as an open learning space to introduce the endemic flora of Southwest Papua, including matoa, ketapang, and sago. This facility serves as a practicum site for students of the Faculty of Science and Technology, as well as the Biology Education Laboratory, and also functions as a forum for research and conservation of local plant species.

In strengthening the sustainability network, UNIMUDA Sorong has established strategic cooperation with the Mandala Katalika Foundation and several environmental institutions in the Sorong area to develop the "Green Knowledge Exchange" program. This collaboration encompasses land conservation training activities, environmentally friendly agricultural innovations, and enhancing the capacity of students and communities to manage natural resources through a combination of technology and local wisdom.

Furthermore, the university also offers affirmation programs and scholarships for students from 3T (frontier, remote, and disadvantaged) areas, as part of its mission to promote social justice education that supports the socio-ecological sustainability of rural communities.

SDG 16 – Peace, Justice, and Strong Institutions

As a higher education institution based on the values of Al-Islam and Muhammadiyah, Universitas Pendidikan Muhammadiyah (UNIMUDA) Sorong is committed to realizing university governance that is transparent, accountable, and oriented towards social justice and sustainable development. This effort is an implementation of SDG 16 – Peace, Justice, and Strong Institutions, which emphasizes the importance of strong, participatory, and integrity institutions in supporting peace and sustainability.

In the field of governance, UNIMUDA Sorong has implemented a digital-based university management system (Digital Governance System) through an Integrated Academic Portal that can be accessed online by lecturers, students, and education staff. The platform supports transparency in academic processes, financial administration, staffing, and student services. This digitalization system strengthens the principles of good university governance, which emphasize openness, efficiency, and public accountability.

In addition, UNIMUDA Sorong actively strengthens its cooperation networks with various government agencies, non-governmental organizations (NGOs), and international partners to support the improvement of education, research, and community service. This collaboration fosters the development of a collaborative, peaceful, and community-oriented academic ecosystem.

Through Community Service Lecture (KPM) activities and cross-sectoral partnership programs, universities play an active role in strengthening trust and harmonious relationships between the community, local governments, and the education sector. Students are deployed to various regions to undertake social projects, including legal literacy education, community empowerment based on local wisdom, and peace and social justice campaigns.

UNIMUDA Sorong also internalizes the values of tolerance, non-violence, and social justice through student activities, leadership training, and student organization development that fosters the spirit of inclusivity and social responsibility.

SDG 17 – Partnerships for the Goals

As a university focused on sustainable development, UNIMUDA Sorong bases its strategic partnerships on the primary foundation for strengthening the implementation of all programs related to the Sustainable Development Goals (SDGs). During the period from November 2024 to December 2025, various cross-sector collaborations have been carried out to support educational innovation, research, community service, and the development of a fair and competitive environment.

In the field of academia and research, UNIMUDA Sorong strengthens partnerships with various government agencies, private institutions, and industry to support applied research, internship programs, and work competency-based training. Cooperation with strategic sectors in the Southwest Papua region encourages students to develop sustainable innovation projects in the fields of renewable energy, smart agriculture, and educational technology. This collaboration is also supported by the provision of innovation grants and work competency-based training, as shown through various activities with industry partners.

On the other hand, UNIMUDA Sorong has established a partnership with Mandala Katalika, a partner institution that focuses on social research and community empowerment in Eastern Indonesia. This collaboration encompasses the development of collaborative research projects, assistance to coastal communities, as well as digital literacy and social entrepreneurship training, all of which contribute directly to the achievement of SDG 1 (No Poverty), SDG 8 (Decent Work and Economic Growth), and SDG 13 (Addressing Climate Change).

At the international level, UNIMUDA Sorong continues to expand its global network through academic cooperation and international publications involving partner universities in Asia and Europe. This program strengthens UNIMUDA Sorong's position as a university actively engaged in global knowledge exchange and encourages Eastern Indonesia's contribution to the world's sustainable development dialogue.

In addition, the university is also actively collaborating with local governments, NGOs, and local communities to support activities based on the *caturdharma* of Higher Education, such as Community Service Lectures (KPM) and the "Shaping the Future for Environment and Society" program, which focuses on sustainable development, community capacity building, and environmental conservation.

SUSTAINABILITY PLAN

UNIMUDA Sorong plans to improve the quality of sustainability program implementation with the following steps:

- ✚ Development of solar panel-based renewable energy systems.
- ✚ Strengthening IoT-based environmental monitoring systems.
- ✚ Integration of environmental education in the curriculum and student activities.
- ✚ Collaboration with local governments, research institutions, and local communities.
- ✚ Training and capacity building of human resources in the management of green campuses.

COVER

This Sustainability Report is a tangible manifestation of Universitas Pendidikan Muhammadiyah (UNIMUDA) Sorong's commitment to building a sustainable future. Through technological innovation, environmental awareness, and community involvement, UNIMUDA Sorong is ready to become a pioneer of green campuses in the eastern region of Indonesia.