

SUSTAINABLE DEVELOPMENT GOALS

UNIVERSITAS MUHAMMADIYAH SEMARANG
UNIMUS
A University for The Excellence

SDGs REPORT UNIVERSITAS MUHAMMADIYAH SEMARANG 2024

A University for the Excellence.


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SUPPORTS SDGs


UNIMUS
GREEN CAMPUS



REPORT SCOPE

This report presents Universitas Muhammadiyah Semarang (UNIMUS)'s contributions to the Sustainable Development Goals (SDGs) throughout 2024. The scope encompasses the university's academic, research, community engagement, institutional governance, and campus sustainability initiatives that contribute directly or indirectly to the achievement of the SDGs. It covers activities implemented across faculties, study programs, research and community service units, as well as university-wide programs related to education, health, social inclusion, environmental sustainability, partnerships, and responsible campus management. The report aims to provide a comprehensive overview of UNIMUS's sustainability-related activities and their alignment with the 17 SDGs, while establishing a baseline for strengthening SDG integration, monitoring progress, and improving institutional sustainability performance in subsequent years.



OUR APPROACH TO SUSTAINABILITY

Integrating Sustainability

UNIMUS integrates sustainability principles into its core academic and institutional functions through education, research, innovation, and responsible governance. Sustainability is embedded in learning activities, research priorities, institutional policies, and campus practices to foster knowledge and solutions that respond to social, environmental, and economic challenges.

Creating Impact for Communities

UNIMUS translates academic knowledge and innovation into meaningful community impact through community engagement, health promotion, education, empowerment, and capacity building. These initiatives aim to strengthen community well-being, improve livelihoods, promote inclusion, and support resilient and sustainable communities.

Building a Sustainable Future

UNIMUS promotes responsible management of environmental resources, campus infrastructure, and partnerships to support long-term sustainability. Initiatives addressing waste, water, energy, biodiversity, sustainable food systems, and environmental awareness are complemented by collaboration with government, communities, industry, and other partners.



Rector's Foreword

Sustainability is a shared responsibility and an essential part of building a better future. At Universitas Muhammadiyah Semarang (UNIMUS), we are committed to ensuring that the university's growth contributes meaningfully to the well-being of people, communities, and the environment.

Our commitment to the Sustainable Development Goals is reflected through education, research and innovation, community engagement, environmental initiatives, and responsible institutional practices. Throughout 2024, members of the UNIMUS community have continued to turn these commitments into actions that create meaningful impact.

This report captures our journey, achievements, and ongoing efforts toward a more sustainable university. It is both a reflection of our progress and a foundation for continuous improvement. Together, we remain committed to creating positive change today and building a more inclusive, resilient, and sustainable future for generations to come.

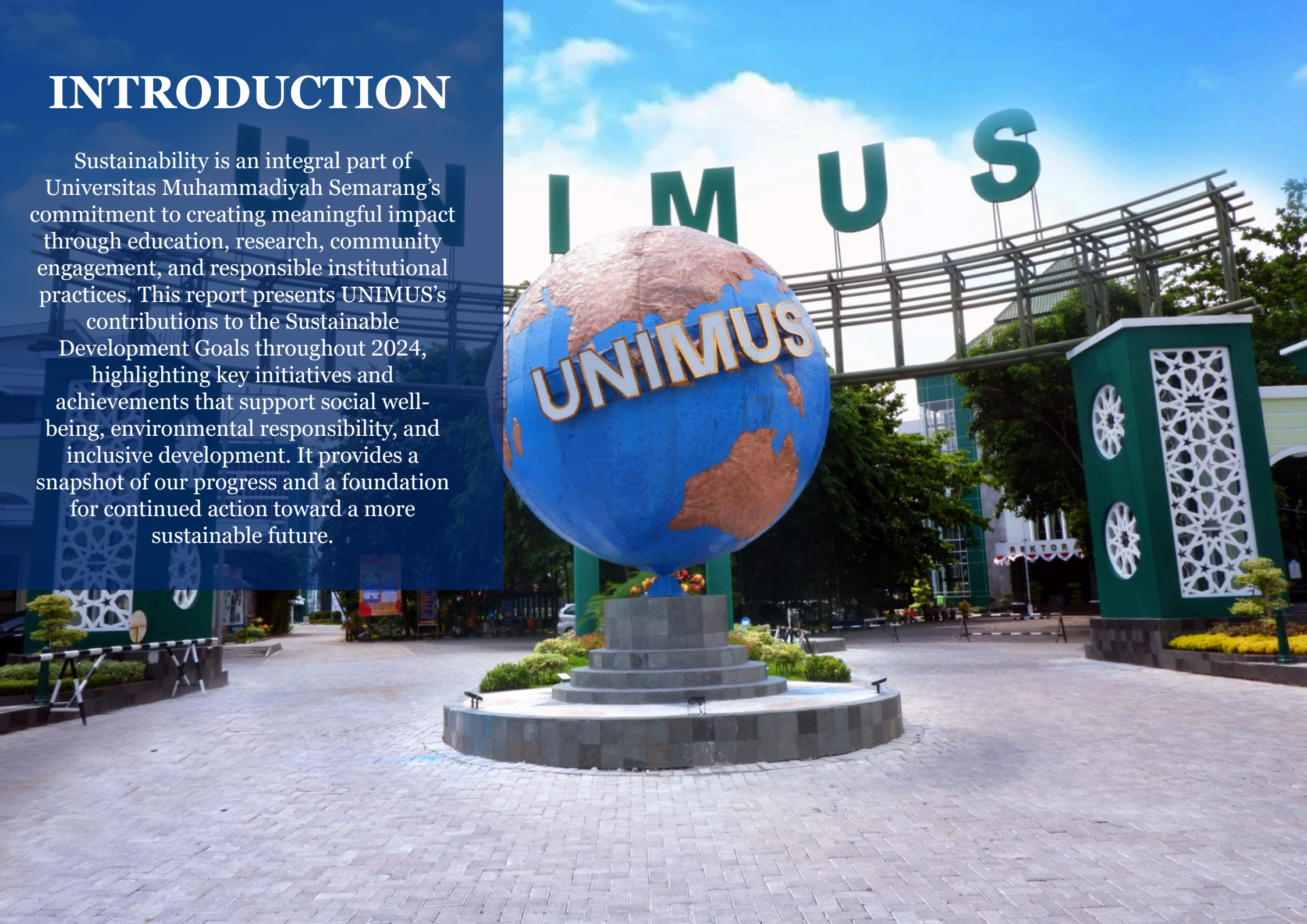
Together, we move forward—not only to achieve the SDGs, but to help create a healthier, more inclusive, resilient, and sustainable future for all.



Prof. Dr. Masrukhi, M.Pd
Rector Universitas Muhammadiyah Semarang

INTRODUCTION

Sustainability is an integral part of Universitas Muhammadiyah Semarang's commitment to creating meaningful impact through education, research, community engagement, and responsible institutional practices. This report presents UNIMUS's contributions to the Sustainable Development Goals throughout 2024, highlighting key initiatives and achievements that support social well-being, environmental responsibility, and inclusive development. It provides a snapshot of our progress and a foundation for continued action toward a more sustainable future.



INTEGRATING SUSTAINABILITY



Our Commitment

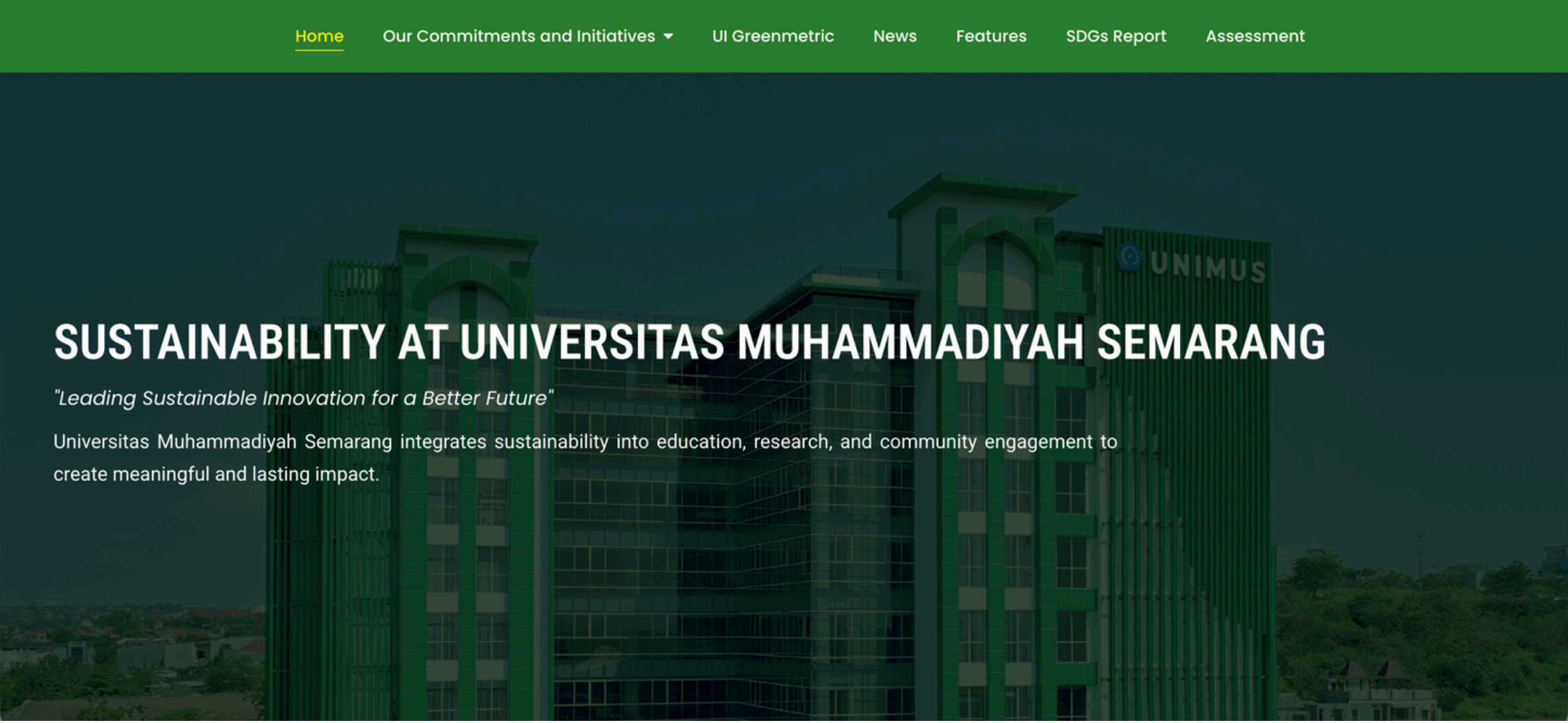
Our commitment to sustainability is embedded in the way UNIMUS learns, creates, collaborates, and grows. We integrate sustainability principles across education, research and innovation, institutional governance, and campus development, ensuring that our academic excellence is accompanied by social and environmental responsibility. By connecting knowledge with action, UNIMUS seeks to develop solutions that respond to real-world challenges, strengthen institutional resilience, and create lasting value for communities and future generations.

INITIATING
SUSTAINABILITY POLICY

At Universitas Muhammadiyah Semarang, sustainability is more than a commitment. It is a guiding principle that shapes ahow we think, learn, and act. We believe that higher education plays a vital role in addressing today's global challenges, including climate change, as reinforced by the **Rector's Decree No. 604/UNIMUS/SK.PR/2024 on sustainability and climate action to Global Climate Change** and we continuously strive to embed sustainable values into every aspect of our institution.This commitment is reinforced through institutional policies and governance frameworks that ensure sustainability is systematically integrated into academic, research, and operational practices.







UNIMUS advances its sustainability commitment through digital initiatives that provide accessible information on sustainability policies, programs, achievements, and institutional practices. Through its sustainability website, information on environmental, social, educational, research, and governance initiatives can be communicated in an integrated and transparent manner. This digital platform serves as a hub for sharing sustainability-related activities and impacts, strengthening stakeholder engagement, and promoting greater awareness of sustainable development across the university community and wider society. sustainability.unimus.ac.id



SUSTAINABLE INFRASTRUCTURE, AND GREEN CAMPUS

UNIMUS is committed to maintaining a green and environmentally responsible campus through efficient land use and the integration of natural landscapes into campus development. The University manages a total campus area of 212,834 m², with 191,656.08 m² (90.05%) designated as open or non-building areas. The total building footprint is 21,177.92 m², representing approximately 9.95% of the campus area, while the University's 15 buildings provide a combined floor area of 105,442 m².

GREEN OPEN SPACE



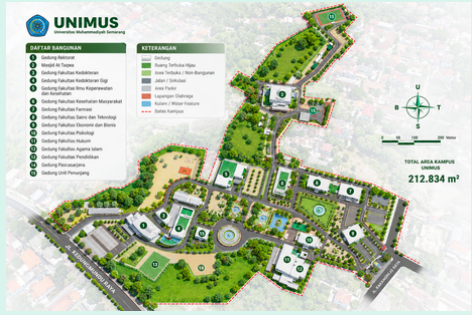
90.05% of the campus area is maintained as open/non-building space, supporting green landscapes, pedestrian circulation, outdoor activities, and environmental quality.

INTEGRATED CAMPUS & NATURE



UNIMUS operates as an integrated 212,834 m² main campus comprising 15 buildings, with green landscapes and open areas incorporated into the campus environment.

EFFICIENT LAND USE



With a building footprint of only 9.95% of the campus area, UNIMUS maximizes the use of vertical and shared facilities while maintaining extensive non-building areas.

The campus landscape is designed to integrate green spaces and open areas with academic, research, healthcare, residential, and supporting facilities. These non-building areas include landscaped and tree-covered spaces, pedestrian pathways, internal circulation areas, courtyards, plazas, and other open spaces, contributing to a greener and more comfortable campus environment. This approach supports efficient land utilization while preserving substantial open space and strengthening the overall environmental quality of the UNIMUS campus.

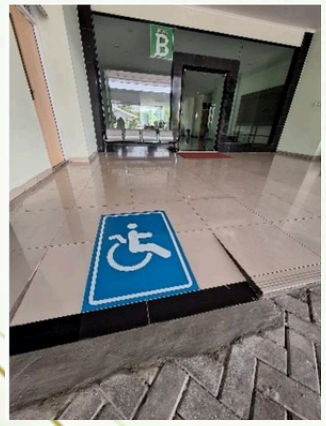


UNIMUS is committed to creating an inclusive and disability-friendly campus through the Disability Services Unit (ULD), established in 2025. The University provides accessible facilities and support, including designated parking areas, ramps, accessible pathways, wheelchairs, academic assistance, and disability support funding, enabling students with disabilities to participate more fully in academic life.

UNIMUS is also supported by a network of healthcare facilities, including RSGM UNIMUS, RS UNIMUS, and Klinik Pratama, providing accessible healthcare services for students, staff, and the wider community. These facilities strengthen the University's commitment to promoting health, well-being, and inclusive access to healthcare services.















WASTE MANAGEMENT

UNIMUS implements an integrated waste management system based on the principles of Reduce, Reuse, and Recycle (3R), including reducing plastic and paper consumption, reusing materials, recycling inorganic waste, treating organic waste through composting and eco-enzyme production, and managing hazardous waste separately and responsibly. These efforts are supported by the UNIMUS Waste Bank, waste collection and segregation facilities, collaboration with licensed third-party waste management providers, and educational initiatives that engage the academic community in promoting responsible consumption and production.

UNIMUS implements an integrated water management system focused on water conservation, recycling, efficiency, and pollution control. The programs include extensive green open spaces and water-absorbing surfaces, rainwater infiltration reservoirs and infiltration wells, water-saving fixtures, digital water meters and monitoring systems, and the reuse of treated wastewater through WWTP and biofilter systems. Rainwater and treated wastewater are reused for non-potable purposes such as irrigation, gardening, and campus cleaning, while wastewater quality is monitored regularly and separate drainage systems are implemented across campus buildings.
Additionally, the document reports that 90.04% of the campus area is designated for water absorption, supported by green open spaces, permeable paving, and infiltration infrastructure.









Shuttle Service
Free campus shuttle to reduce private vehicle use.



E-bikes
Electric bikes provided for a cleaner and more sustainable campus.



Bicycles
Bicycles available to support active and zero-emission mobility.



Provision of Bicycles in Dormitory Area
Bicycles are provided in the dormitory area to support sustainable and active mobility within the campus community.

UNIMUS promotes sustainable mobility by providing accessible, low-emission, and active transportation options across the campus. The University provides a free campus shuttle service to reduce reliance on private vehicles, alongside electric bikes and bicycles that support cleaner and more active mobility. These facilities are complemented by awareness activities that encourage the academic community to consider public transportation, cycling, and walking as sustainable alternatives for everyday travel. Through these initiatives, UNIMUS seeks to reduce transportation-related environmental impacts while creating a healthier, more connected, and sustainable campus environment.



MOVING SUSTAINABLY, CONNECTING COMMUNITIES

Pedestrian Facilities

UNIMUS also provides pedestrian facilities to encourage walking as a safe, accessible, and sustainable mode of mobility. Pedestrian pathways and walkable areas connect key facilities across the campus, allowing students, lecturers, staff, and visitors to move comfortably between buildings without relying on motorized vehicles. Together with shuttle services, e-bikes, and bicycles, these facilities support a more inclusive, healthy, and low-emission campus mobility system.







Support Inclusivity

UNIMUS is committed to creating a campus environment that is accessible and welcoming to all members of the university community. Pedestrian pathways and accessible campus spaces support safe and comfortable movement for students, staff, and visitors, including those with diverse mobility needs. By incorporating accessibility into campus infrastructure, UNIMUS promotes equal opportunities for participation and fosters a more inclusive campus community.



CREATING IMPACT FOR COMMUNITIES

Creating meaningful change begins by connecting knowledge with the needs of society. UNIMUS works with communities to transform academic knowledge, research, and innovation into practical solutions that improve well-being and strengthen resilience. Through education, health promotion, community empowerment, environmental initiatives, and strategic partnerships, we strive to create impact that goes beyond the campus. Our approach places communities at the heart of sustainable development, fostering collaboration that delivers meaningful and lasting benefits for society.

SOCIAL CONTRIBUTION & COMMUNITY ENGAGEMENT

UNIMUS strengthens its contribution to sustainable development through community engagement programs that connect academic knowledge, research, innovation, and community needs. Through community service, student-led initiatives, health programs, literacy activities, economic empowerment, and technology transfer, UNIMUS works collaboratively with communities and local partners to address social and economic challenges.

These initiatives are designed not only to provide short-term assistance, but also to **strengthen community capacity, promote self-reliance, and create sustainable solutions based on local needs and potential**. Across health, education, literacy, entrepreneurship, agriculture, and technology, UNIMUS continues to translate its academic expertise into meaningful social impact.





COMUNITY EMPOWERMENT


EDUCATION AND LITERACY



INNOVATION AND TECHNOLOGY



UNIMUS Research Contributions to the SDGs

In 2025, UNIMUS research publications demonstrated contributions across 15 of the 17 Sustainable Development Goals. SDG 3 (Good Health and Well-being) represented the strongest research contribution, with 41 publications, followed by SDG 2 (Zero Hunger) with 7 publications. Contributions were also identified across SDGs related to gender equality, decent work, responsible consumption, energy, innovation, reduced inequalities, and global partnerships. These contributions reflect UNIMUS' commitment to strengthening research that addresses global sustainability challenges, integrating the SDGs into its research and innovation agenda, and fostering impactful, responsible, and sustainability-oriented knowledge for society.

UNIMUS
Community Services Contributions to the SDGs

Universitas Muhammadiyah Semarang (UNIMUS) actively translates its commitment to sustainability into meaningful community engagement through integrated health, environmental, educational, and empowerment initiatives. Community service programs provide health education, basic health screening, nutrition and stunting-prevention education, and capacity building for community health cadres. Environmental initiatives promote waste segregation, environmental cleanliness, tree and mangrove planting, recycling, renewable energy awareness, and sustainable water management.



HEALTH PROMOTION AND BASIC SCREENING



ENVIRONMENTAL ACTION



EDUCATION AND COMMUNITY EMPOWERMENT

Programs such as the Fostered Village initiative, Community Service in Tambak Lorok Village, Development Area, and environmental sustainability campaigns demonstrate UNIMUS's commitment to empowering communities while addressing local health, social, and environmental challenges. Through these initiatives, UNIMUS strengthens the role of students and academic communities as agents of sustainable development and contributes to the achievement of the Sustainable Development Goals (SDGs).

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