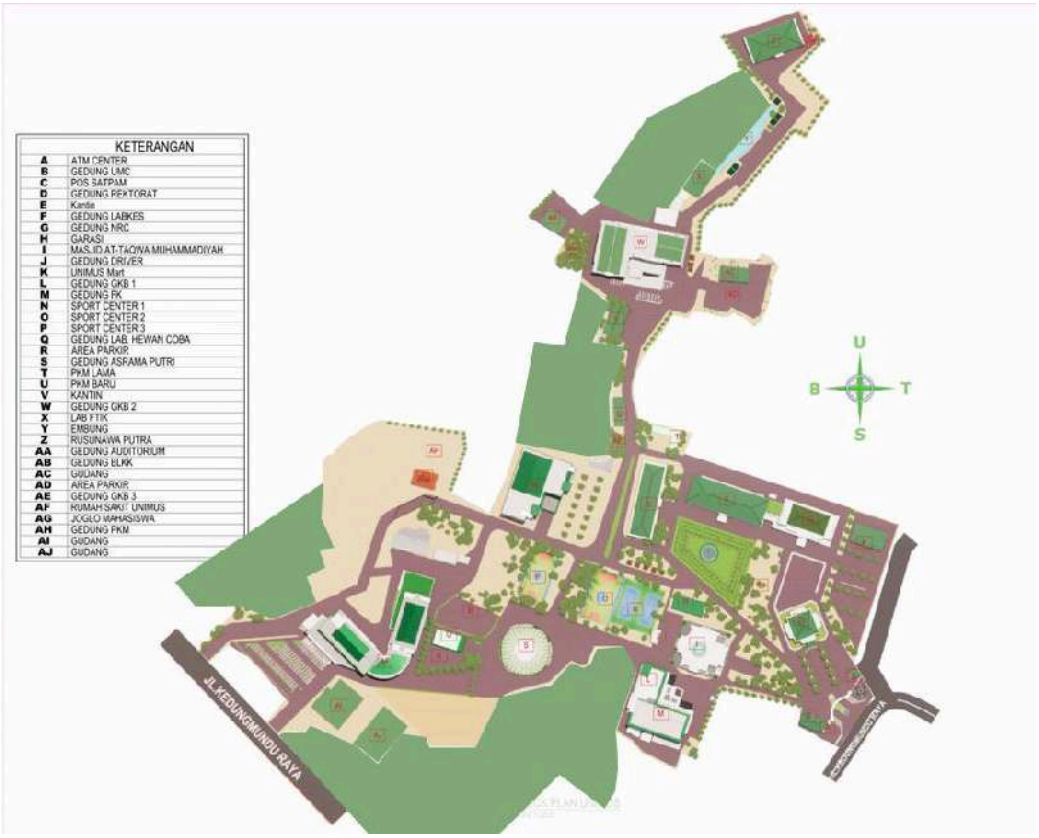
Evidence
UI GreenMetric Questionnaire

University : Universitas Muhammadiyah Semarang
Country : Semarang, Central Java, Indonesia
Web Address : https://greenmetric.unimus.ac.id/

[1] Setting and Infrastructure (SI)

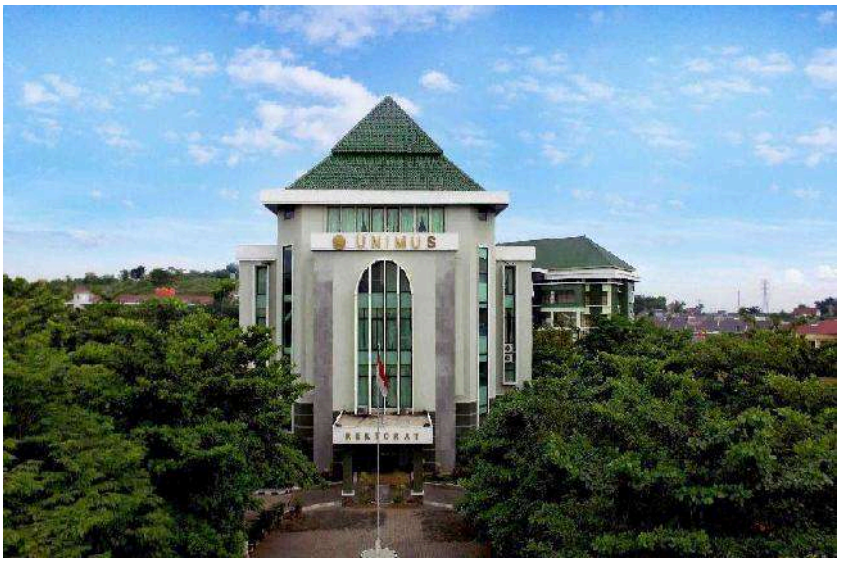
[1.3] Number of Campus Sites

	**Universitas Muhammadiyah Semarang**

Description:
Universitas Muhammadiyah Semarang (UNIMUS) has a main campus location that is the center of academic activities, research, and community service, with a comfortable, green, and strategic environment in the Kedungmundu area, Semarang City. The campus has an area of 212.834 m^2 located on Jalan Kedungmundu Raya No. 18 Semarang is the central campus as well as the main icon of UNIMUS. This campus began to be developed with the establishment of the Universitas Muhammadiyah Semarang in 1999, as a result of the merger of several Muhammadiyah high schools in Semarang. Over time, the campus area grew into an administrative center, with lecture activities and student activities across study programs. Its neatly arranged and beautiful environment creates a conducive academic atmosphere, reflecting the spirit of modernization of education rooted in Islamic values and Muhammadiyah.

The campus of Universitas Muhammadiyah Semarang consists of fifteen buildings whose layout is dedicated to creating a dynamic educational environment, having adequate functions, and paying attention to aspects of nature conservation. Full details of each building on this campus can be found below:

1. Rectorate Building



The Rectorate Building of the Universitas Muhammadiyah Semarang (UNIMUS) serves as the center for university administrative and management activities. This building occupies an area of approximately 2.789 m^2 and consists of four floors, designed with a modern, functional, and representative concept. This building is the center of university management, where various strategic activities are carried out. It contains the offices of university leaders, such as the Rector, Vice Chancellor, as well as supporting units such as the Academic Bureau, Finance Bureau, General Bureau, Quality Assurance Institute, Research and Community Service Institute, etc., as well as senate meeting rooms and official university meetings. In addition to its administrative function, the Rectorate Building is also a symbol of UNIMUS institutional identity, reflecting Islamic values, professionalism, and the spirit of progress. The surrounding area is designed with green landscapes and comfortable open areas, creating a productive working atmosphere while supporting a clean, eco-friendly, and modern campus image.

2. At Taqwa Mosque

The mosque building stands on an area of ±3.500 m², surrounded by an open area and a small garden that supports the comfort of worshippers and the circulation of pedestrians around it.
This mosque is designed to consist of the 1st floor as a meeting hall, the 2nd floor, and a mezzanine to accommodate the needs of male and female worship as well as other religious activities. The layout includes the main prayer room (spacious and without large columns in the central area), balcony/mezzanine for female worshippers, imam and muezzin room, mosque management admin/organization room, separate ablution room for men and women, and supporting facilities such as a warehouse of worship equipment and toilets.

3. Unimus Medical Center Building

Unimus Medical Center has an area of ±358 m² arranged over two floors specially designed to support primary health services and clinical education. On the ground floor, there are generally registration areas, waiting rooms, examination polyclinics, and supporting facilities such as mini pharmacies and administration. Meanwhile, the upper floor contains a minor action room, a short observation room, and a space for practice and student coaching. UMC doubles as a health service facility for the academic community and the surrounding community as well as a means of practice and applied learning for health study programs. With efficient spatial planning and good accessibility, UMC is the first referral point for handling mild cases as well as a training center for students' clinical skills.

4. Health Laboratory Building

The UNIMUS Health Laboratory Building occupies a large area of about ±2.615 m² and is composed of 4 floors that accommodate various specialized laboratories. The building is designed to house microbiology, clinical biochemistry, and pathology, as well as sample preparation and cold storage rooms. In addition to the student practicum room, there is also a lecturer research room, a data analysis room, a sterilization area, and laboratory work safety facilities (biosafety) to ensure the quality and safety of activities. The main function of the Labkes Building is as a center for practicum, research, and diagnostic services to support health education in strengthening academic and research capabilities and supporting community service activities that require laboratory services.

5. Nursing Research Center Building

This building acts as a center for research, collaboration, and consulting services. This building has an area of 3.630 m^2, and functionally, the NRC building is designed flexibly to accommodate the needs of lecture rooms, small laboratory spaces, research offices, meeting rooms, and workshop or research incubation facilities. Floor configurations typically range from one to two floors to facilitate integration between workspaces and research equipment. The strategic role of the NRC Building is to facilitate applied research activities, strengthen networks between study programs and external

partners, and become a forum for students and lecturers to develop innovation projects that can be replicated into community service or research-based entrepreneurship development.

6. Joint Lecture Building 1

The Joint Lecture Building 1 occupies an area of ±12.282 m². This building consists of 7 floors and serves as the main lecture center for the Faculty of Medicine. The layout is designed to accommodate a large auditorium, regular lecture rooms with medium to large capacity, tutorial rooms, and several seminar rooms and lecturer administration rooms. The ground floor functions as the main lobby, information services, waiting room, and supporting facilities such as public toilets and lecture rooms; The upper floors house flexible classes and seminar rooms for academic activities, seminars, exams, and campus events.

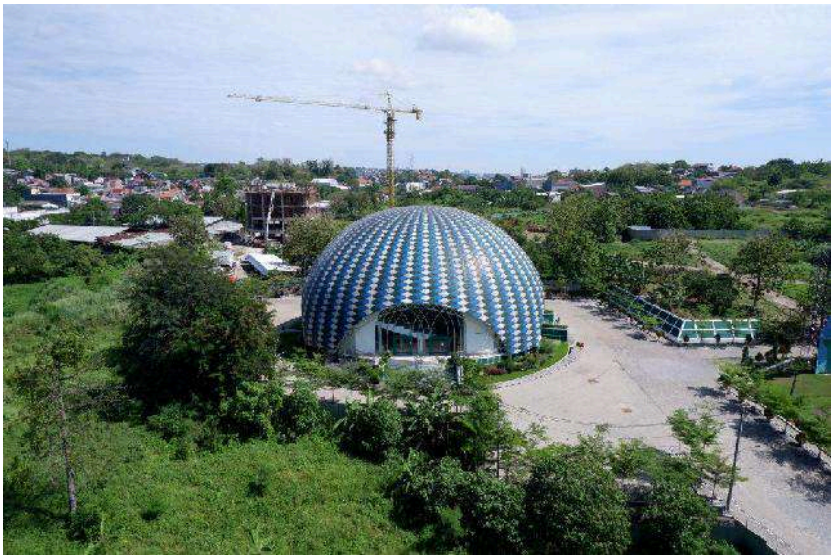
7. Joint Lecture Building 2

The building consists of 8 floors with an area of ±16.000 m² and specifically provides lecture rooms and more complete practicum facilities for lecture activities hosted by FTIK, FSTP, and FIPH. The rooms in it include large and small lecture rooms, laboratories, practice rooms, seminar rooms, and supporting facilities such as lecturer rooms, administrative rooms, laboratory equipment warehouses, and technical service areas. The 8 floor configuration allows for a separation of functions between theoretical, practicum, and administrative education rooms thereby supporting professional learning processes and clinical practice in a campus environment.

8. Joint Lecture Building 3

   Joint Lecture Building 3 occupies an area of ±16.534.4 m² and is composed of 9 floors (including the basement). This building accommodates the needs of small to medium lecture rooms, special studios or practicum rooms, thematic seminar rooms, as well as tutorial and meeting rooms for FEB, FKG, and FKM.

9. Multipurpose Building



This building is a multifunctional facility designed to accommodate a variety of medium to large-scale campus activities. With an area of approximately ±1.673 m², this building has a flexible spatial layout so that it can be changed according to the needs of events ranging from academic ceremonies, seminars, workshops, exhibitions, bazaars, to art performances and student activities. Supporting areas such as the lobby, dressing room, equipment warehouse, and sanitation facilities are strategically placed to support an efficient flow of activities. Because of its central function, the Multipurpose Building is a vital space in strengthening the lives of the academic community, becoming a forum for formal meetings and creative activities that enrich the dynamics of the campus.

10. Experimental Animal Laboratory Building

The Experimental Animal Laboratory serves as a special facility for research and education that requires animal models. They are typically housed in campus laboratory complexes and operated according to rigorous research ethics standards and biosafety protocols. Typical facilities include a cage room with environmental control (temperature, humidity), quarantine/isolation room, small procedure/procedure room, sterilization area, and feed and medicine storage room. In addition, workspaces are provided for researchers and research documentation. The Experimental Animal Lab supports biomedical research and student learning practices of health or biology programs, with the supervision of an animal ethics committee to ensure animal welfare and adherence to research standards.

11. Man’s Dormitory Building

The Man’s Dormitory Building is provided as a residential facility for male students of UNIMUS. With an area of ±1.800 m², its main function is to provide a bedroom/accommodation, a common area for learning or socializing, as well as sanitation facilities and basic supporting services. The arrangement of space in the The Man’s Dormitory Building generally emphasizes security, order, and study support facilities such as shared study spaces and access to campus services. The management of the dormitory includes the arrangement of resident administration, cleanliness, and nighttime security.

12. Women's Dormitory Building

The Women's Dormitory Building is a structured dormitory residence intended for UNIMUS female students. With an area of approximately ±4,500 m², this facility is designed to provide safe, comfortable, and affordable accommodation for female students, complete with bedrooms, common rooms/study rooms, shared kitchens or pantry, sanitation facilities, and service and security areas. The layout of the dormitory emphasizes privacy, learning comfort, and accessibility, accompanied by open spaces or relaxation areas for healthy social interaction between residents. Residential management usually includes a resident administration system, rules of order, cleaning services, and security systems to ensure the comfort of residents.

13. Unimus Mart Building

Unimus Mart is a retail service unit that plays a role in meeting the daily needs of the academic community in the campus environment, with a building area of 344 m^2 erected on 2 floors. Unimus Mart provides basic necessities such as snacks, drinks, stationery, as well as short services such as payment or package pickup, thus helping the comfort of lecture activities without having to leave the campus area.

14. Community Work Training Center Building (BLKK)

BLKK with an area of 195,42 m^2 is a functional facility designed for BLKK training to function as a skills training center, so this building is equipped with practice rooms, workshops/workshops, theory rooms, and supporting facilities for the development of students' vocational competencies and training for the surrounding community. The role of BLKK is to strengthen the application and non-academic aspects of UNIMUS, both in improving the employability skills of graduates and providing specific services for the community and external partners.

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15. Hospital Building

The Universitas Muhammadiyah Semarang Hospital is the main health facility that doubles as a public service hospital as well as a teaching hospital for students in the health sector, especially the Department of Medicine, Nursing, Midwifery, and other Health Sciences. UNIMUS Teaching Hospital has been fully accredited by the Komisi Akreditasi Rumah Sakit (KARS). With a building area of around ±29.935 m^2, this hospital is equipped with various medical service units such as emergency departments (IGD), inpatient rooms, operating rooms, maternity rooms, general and specialist polyclinics, laboratories, radiology, pharmaceuticals, as well as other medical and non-medical support facilities.

The hospital building is designed with a spatial layout that meets modern health service standards by prioritizing patient circulation efficiency, visitor comfort, and the safety of medical personnel. As a teaching hospital, UNIMUS Hospital also has a clinical learning room, observation room, case discussion room, and academic guidance facilities that are integrated with the patient service system.

Evidence
UI GreenMetric Questionnaire

University : Universitas Muhammadiyah Semarang
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Web Address : https://greenmetric.unimus.ac.id/

[1] Setting and Infrastructure (SI)

[1.4] Campus Setting

In City Center (Universitas Muhammadiyah Semarang, Indonesia)

Description:

Universitas Muhammadiyah Semarang (UNIMUS) is located in the urban area of eastern Semarang, Central Java Province. This campus is located in the neighborhood of Jalan Kedungmundu Raya, an area that is rapidly developing as a center of higher education and settlements. Geographically, the Kedungmundu area has a topographic character of light hills with an altitude of about 90-120 meters above sea level, thus providing a cool and relatively calm campus atmosphere from the hustle and bustle of the city center.

The city of Semarang itself has an area of about 373.8 km² with a population of more than 1.6 million people, resulting in a population density of around 4,300 people per km². In the midst of the city's dynamics, UNIMUS is a university that occupies an integrated campus area comprising various educational buildings, laboratories, teaching hospitals, religious facilities, and student residential areas.

The entire campus infrastructure is designed with the principles of sustainability and space efficiency, supporting educational, research, and community service activities that focus on improving the quality of life and promoting sustainable development in the Semarang area and its surroundings.

Evidence
UI GreenMetric Questionnaire

University : Universitas Muhammadiyah Semarang
Country : Semarang, Central Java, Indonesia
Web Address : https://greenmetric.unimus.ac.id/

[1] Setting and Infrastructure (SI)

[1.5] Total Campus Area (meter^2)

Siteplan Campus

Description:

Universitas Muhammadiyah Semarang consists of:

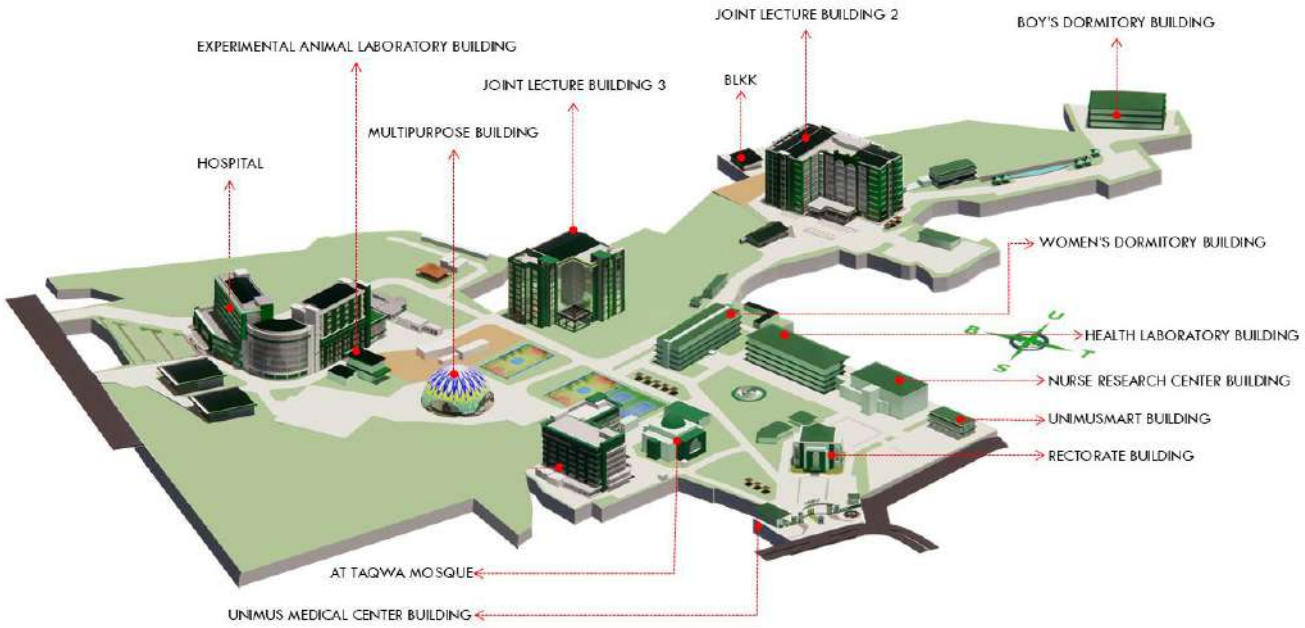
1. Total campus area : 212.834 m^2
2. 15 buildings with total building area on all floors: 105.442 m^2
3. 15 buildings with total building base area: 21.177 m^2
4. Covered area with grass, trees and blocks (parking area): 191.656 m^2
5. Total distance/circumference: 3,05 km (1,9 mi) = 3.057 m

Evidence
UI GreenMetric Questionnaire

University : Universitas Muhammadiyah Semarang
Country : Semarang, Central Java, Indonesia
Web Address : https://greenmetric.unimus.ac.id/

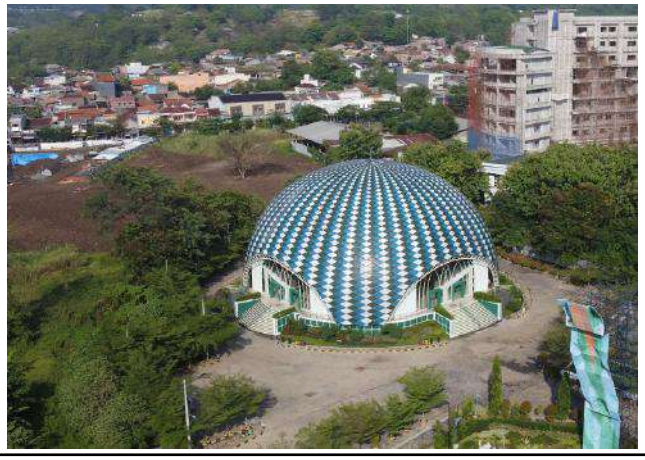
[1] [Setting & Infrastructure]

[1.7] Total campus buildings area



Rectorate Building	At Taqwa Mosque
	
The Rectorate Building is the center of university management, there is a leadership office as well as university support units. Area: 2789.4 m^2	The At Taqwa Mosque consists of the 1st floor as a meeting hall, the 2nd floor and a mezzanine for the worship area. Area: 5000 m^2

Unimus Medical Center Building	Health Laboratory Building
	
The UMC consists of a waiting room and an examination poly. Area: 358 m^2	The Health Laboratory consists of classrooms and a variety of laboratories specifically for health sciences. Area: 5.418 m^2
Nurse Research Center Building	**Joint Lecture Building 1**
	
The Nurse Research Center Building consists of lecture halls, small laboratory rooms, research offices, meeting rooms, and workshop or research incubation facilities. Area: 3.620 m^2	The Joint Lecture Building 1 consists of a hall, a lecture hall, a laboratory, a practice room, a seminar room, and supporting facilities such as lecturer rooms, administrative rooms, laboratory equipment warehouses, and technical service areas. Area: 12.282 m^2

Joint Lecture Building 2	Joint Lecture Building 3
	
The Joint Lecture Building 2 consists of a hall, lecture room, laboratory, clinical practice room, seminar room, and supporting facilities such as lecturer rooms, administrative rooms, laboratory equipment warehouses, and technical service areas. Area: 16.000 m^2	The Joint Lecture Building 3 consists of a hall room, lecture room , laboratory, practice room, seminar room, and supporting facilities such as lecturer rooms, administrative rooms, laboratory equipment warehouses, and technical service areas. Area: 21.231 m^2
Multipurpose Building	**Experimental Animal Laboratory Building**
	
The Multipurpose Building is a multifunctional facility designed to accommodate a variety of campus activities. Area: 1.734 m^2	The Experimental Animal Laboratory Building consists of a space with special facilities for research and education that require animal models. Area: 391 m^2

Man's Dormitory Building	The Women's Dormitory Building
	
The Man's Dormitory Building provides a bedroom/accommodation, a common area for studying or socializing, as well as sanitation facilities and basic support services. Area: 1.800 m^2	The Women's Dormitory Building consists of a bedroom, common room/study room, shared kitchen or pantry, sanitation facilities, and service and security areas. Area: 4.500 m^2
Unimus Mart Building	**Community Work Training Center Building (BLKK)**
	
Unimus Mart consists of a retail space and a cashier. Area: 395,93 m^2	BLKK consists of practice rooms, workshops/workshops, theory rooms, and supporting facilities. Area: 195 m^2

Hospital Building

The hospital consists of various medical service units such as emergency installations, inpatient rooms, operating rooms, maternity rooms, general and specialist polyclinics, laboratories, radiology, pharmaceuticals, and other medical and non-medical support facilities. Area: 29.935 m^2

Description:
The area of the building is as follows:

No	Area	Luas Bangunan	Satuan
1	Unimus Medical Center Building	358	m2
2	Rectorate Building	2.789	m2
3	Health Laboratory Building	5.418	m2
4	Nurse Research Center Building	3.620	m2
5	At Taqwa Mosque	3.500	m2
6	Joint Lecture Building 1	12.282	m2
7	Multipurpose Building	1.734	m2
8	Experimental Animal Laboratory Building	391	m2
9	Women's Dormitory Building	4.500	m2
10	Joint Lecture Building 2	16.000	m2
11	Unimus Mart Building	395	m2
12	Community Work Training Center Building (BLKK)	195	m2
13	Man's Dormitory Building	1.800	m2
14	Hospital Building	29.935	m2
15	Joint Lecture Building 3	21.231	m2
Total Campus Building Area		**105.442**	**m2**

Evidence
UI GreenMetric Questionnaire

University : Universitas Muhammadiyah Semarang
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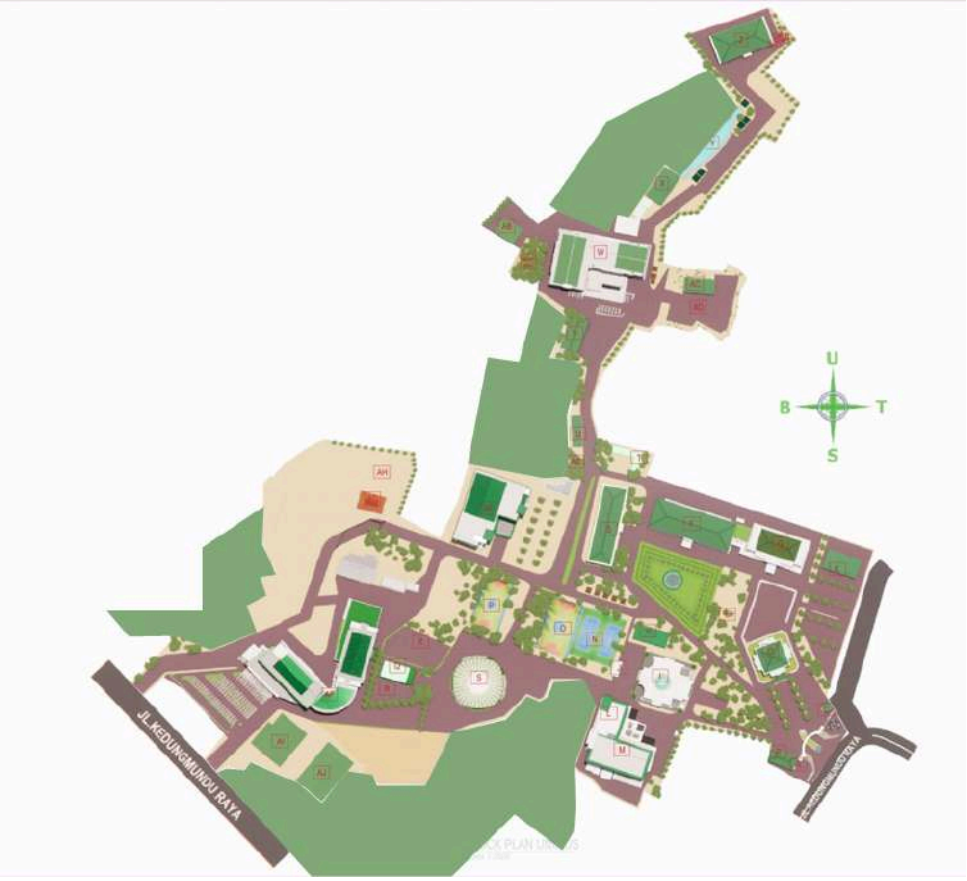
[1] Setting & Infrastructure

[1.8] The ratio of open space area to total area (SI.1)



Description:

Perbandingan Antara Ruang Terbuka dengan Total Area Fakultas: 78.98%

Total Campus Area	:	212.834,00	m2
Total Base Building Area	:	21.177,92	m2
Total Open Area	:	191.656,08	m2
Perbandingan	**:**	**90,05 %**	

Evidence
UI GreenMetric Questionnaire

University : Universitas Muhammadiyah Semarang
Country : Semarang, Central Java, Indonesia
Web Address : https://greenmetric.unimus.ac.id/

[1] Setting and Infrastructure (SI)

[1.9] Total area on campus covered in forest vegetation used for research, teaching, and/or community engagement (meter^2) (SI.2)

Location of Forest Vegetation Used for Research, Teaching, and Community Engagement

A. Area Community Engagement
Area = 8.029,92 m^2

B. Forest Campus
Area = 14.576,4 m^2

C. Urban Farming
Area = 35.604,54 m^2

Description:

Area on campus covered in forest vegetation used for research, teaching, and/or community engagement terdiri dari :

A. Area Community Engagement

Garden and Gazebo that are comfortable for students to use for homework, organizing and other activities that support the lecture system.

B. Urban Farming

Forest and Urban Farming was developed as an educational and research medium in the implementation of an efficient, environmentally friendly, and productive urban agricultural system on limited land. In this area, students can practice hydroponic and vertical plant cultivation which is also an example of the application of the concept of green living in the campus environment.

C. Forest Campus

The green area functions as the campus lung as well as an educational space for the academic community. This area is planted with various types of shade trees and conservation plants that play a role in maintaining ecological balance, improving air quality, and creating a cool and comfortable campus atmosphere. In

addition, the Forest Campus is also used as a means of learning and environmental research, reflecting UNIMUS' commitment to the concept of green campus and environmental sustainability.

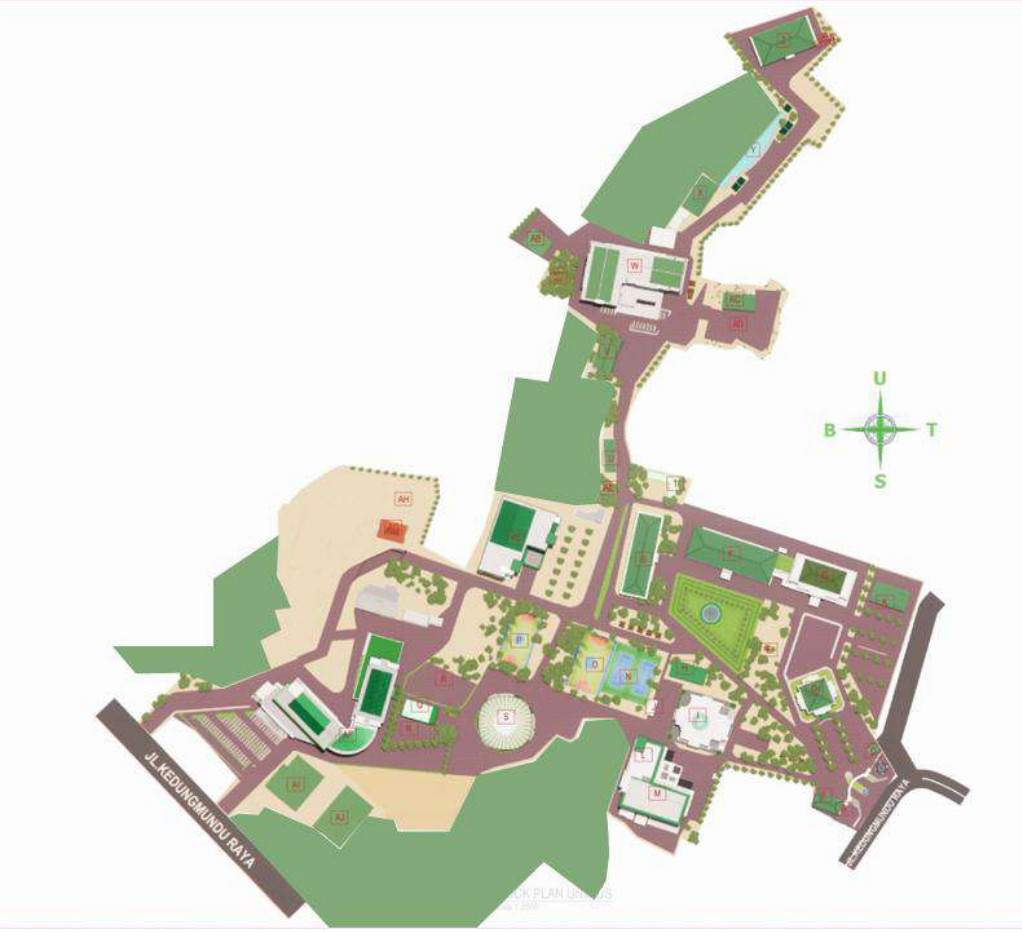
Total area: **58.210,86 m^2**
Total distance/circumference: **2.651 m = 2,65 km**

Evidence
UI GreenMetric Questionnaire

University : Universitas Muhammadiyah Semarang
Country : Semarang, Central Java, Indonesia
Web Address : https://greenmetric.unimus.ac.id/

[1] Setting and Infrastructure (SI)

[1.10] Total area on campus covered in planted vegetation (meter^2) (SI.3)



	
Taman Area Gazebo	Unimus Healing Garden

Area Gazebo

Planted Vegetation

Description:
There are 205 types of plants spread throughout the campus area, including small plants, shrubs, and large plants.

Universitas Muhammadiyah Semarang also has a Garden and Gazebo that is comfortable for students to use to do assignments, organize and other activities that support the lecture system. Another public facility owned by Unimus is the *Healing Garden* or a healing garden is a garden concept that is said to bring healing to its users. The purpose of creating this park is to reduce stress, calm the mind, and complement one's emotional health needs.

Total of main area: 212.834,00 m^2
Total of base building Area :21.177,92 m^2
Total area of concrete block : 31.604,18 m^2
Total of planted vegetation area: 160.051,91 m^2

Percentage area: 75,20 %

Additional evidence link :
https://docs.google.com/spreadsheets/d/1b92UWT3e5p7WJr80Bny3z7JUAe3Tb3cY/edit?usp=sharing&ouid=107343076289939063123&rtpof=true&sd=true

Evidence
UI GreenMetric Questionnaire

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Country : Semarang, Central Java, Indonesia
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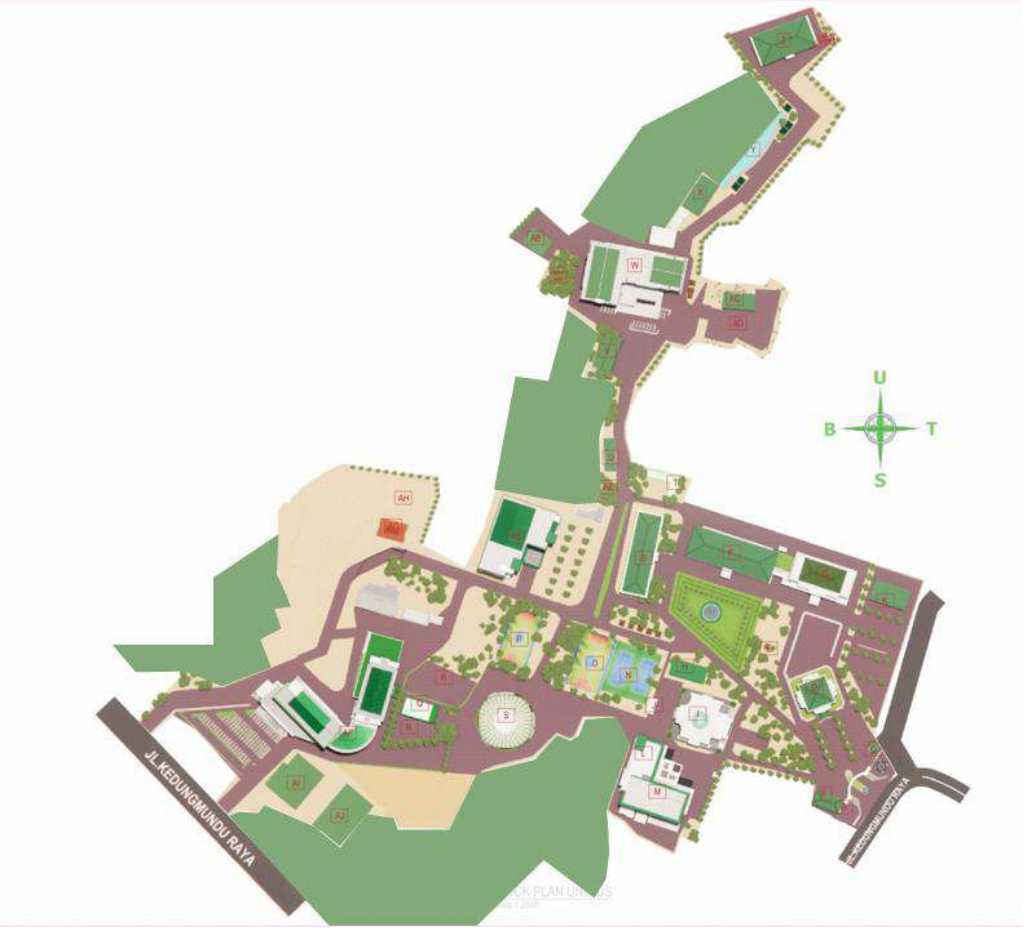
[1] Setting and Infrastructur
[1.11] Percentage of Surface Area in the Environment of Universitas Muhammadiyah Semarang That Can Absorb Water (including soil, gardens, and con-block areas)

1. Universitas Muhammadiyah Semarang implements a vertical development pattern as an effort to expand green open space. This can be seen from the design of the building, which has begun to work with high-rise buildings, and currently, in accordance with the height permit, is 40 m or 10 floors. By implementing tall buildings, an area of catchment area, and a green environment as part of the conservation, it will continue to be maintained.
2. The placement of planted open areas and the use of con-blocks in road and parking areas are expected to provide a broader role and contribution to environmental conservation.
3. With the use of Paving Blocks and Grass Blocks, it is hoped that rainwater can seep into the soil naturally, which can be directly absorbed by plants in the environment.
4. Effective rainwater management is also carried out with the availability of infiltration reservoirs that are very effective in controlling the rate of rainwater.
5. The combination of the garden and the environment provides a sense of beauty and naturalness, growing environmental conservation that grows a variety of animals and plants that share.



	
Parks and grass-block use in parking areas	The garden is laid out in a neat and comfortable manner
	
Reservoir and rainwater infiltration	Arrangement of an open environment with plants

Universitas Muhammadiyah combines buildings and open areas not only to create beautiful spaces but also to contribute to environmental management and create sufficient rainwater infiltration, as well as a sustainable conservation environment, as can be seen from the area provided:

Total of main area	=	212.834 m^2
Total of base building area	=	21.177 m^2
Total of covered hallway area	=	9.712 m^2

Percentage area: **((212.834 – (21.177+ 9.712))/212.834) X 100% = 85.48%**

Evidence
UI GreenMetric Questionnaire

University : Universitas Muhammadiyah Semarang
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[1] Setting and Infrastructure (SI)

[1.17] University budget for sustainability effort (in US Dollars)

Types of Funds	Amount of Funds (USD)			Sum (USD)
	2023	2024	2025	
Budget Total	5.221.610	6.141.430	6.664.321	**18.027.361**
Sustainability Budget	839.768	953.457	1.091.153	**2.884.378**
			Percentage	**16,00**

Description:
For the last three years (2023–2025), the Universitas Muhammadiyah Semarang has allocated a total budget of IDR 297.45 USD to support the implementation of campus sustainability within the framework of the Tridharma of Higher Education.
Funding focuses include:

1. Continuous education through curriculum development, training, and seminars with environmental themes.
2. Green research and innovation include renewable energy, water conservation, and organic farming.
3. Community service by empowering residents around the campus through green village programs, waste banks, and water conservation.
4. Improvement of green infrastructure such as conservation ponds, educational parks, waste management systems, and the application of solar energy.
5. Monitoring & evaluation through energy audits, GreenMetric reporting, and Sustainability Office operations.

The average percentage university budget for our university is 16%

Here is the University's total budget in 2023-2025:

BUDGET OF THE UNIVERSITAS MUHAMMADIYAH SEMARANG FOR 2023-2025

No.	Source of Funds	Types of Funds	Amount of Funds (USD)			Sum (USD)
			2023	2024	2025	
1	2	3	4	5	6	7
1	Student	SPP	4.268.112	4.822.802	4.981.637	14.072.550
		Other donations	740.642	968.014	1.295.992	3.004.648
	Sum (1)		**5.008.754**	**5.790.816**	**6.277.629**	**17.077.198**
2	Ministries/ Foundations	Research grants	114.875	157.576	93.496	365.947
		Community Service grants	2.709	5.159	10.045	17.913
		Other	4.364	6.061	10.424	20.848
	Sum (2)		**121.948**	**168.795**	**113.965**	**404.708**
3	Research and Community Service Fund	Research Fund	60.606	121.212	181.818	363.636
		Community Service Fund	30.303	60.606	90.909	181.818
	Sum (3)		**90.909**	**181.818**	**272.727**	**545.455**
Total Amount (1 + 2 + 3)			**5.221.610**	**6.141.430**	**6.664.321**	**18.027.361**

Describe the details of the budget for sustainability as follows:

SUSTAINABILITY BUDGET OF THE UNIVERSITAS MUHAMMADIYAH SEMARANG FOR 2022-2024

No.	Type of Use	Budget (USD)			Sum (USD)
		2023	2024	2025	
1	2	3	4	5	6
1	**Education & Curriculum Continuing**				
a	Integration of *Sustainable Development courses* in various study programs	113.614	124.031	135.659	**373.304**
b	Training of lecturers and students on the *Eco-campus*, *energy efficiency*, and *waste management*	77.825	84.658	88.639	**251.122**
c	National workshops & seminars on continuing education	40.753	44.339	49.232	**134.325**
Sum (1)		**232.192**	**253.028**	**273.530**	**758.750**
2	**Environmental & Green Energy-Based Research**				
a	Research grants on renewable energy, clean water, waste, and organic farming	91.687	147.722	189.551	**428.960**
b	Scientific publications and *patents* resulting from green research	43.178	47.589	50.681	**141.448**
c	Research collaboration with the government and the green industry	74.960	80.146	84.925	**240.032**
Sum (2)		**209.825**	**275.457**	**325.158**	**810.440**
C	**Sustainability-Based Community Service**				
1	Green village programs, urban farming, and community waste banks	89.366	81.017	116.573	**286.955**
2	Public education on water and energy management	31.781	35.374	37.670	**104.825**
Sum (3)		**121.147**	**116.391**	**154.242**	**391.780**
D	**Eco-friendly Infrastructure & Facilities**				
1	Development of campus green areas, educational parks, and conservation ponds	110.584	128.205	143.571	**382.360**
2	Development of rainwater and liquid waste management systems	74.886	83.311	90.810	**249.007**
3	Development of rainwater and liquid waste management systems	47.403	50.087	52.950	**150.440**
Sum (4)		**232.873**	**261.603**	**287.331**	**781.807**
E	**Manajemen, Monitoring & Evaluasi Sustainability**				
1	Campus energy, water, and waste management audits	19.050	20.409	21.724	**61.183**
2	Establishment and operation of *the Sustainability Office* (Green Office)	24.682	26.568	29.168	**80.418**
Sum (4)		**43.732**	**46.977**	**50.891**	**141.601**
Total Amount (1 + 2 + 3+4)		**839.768**	**953.457**	**1.091.153**	**2.884.378**

Evidence
UI GreenMetric Questionnaire

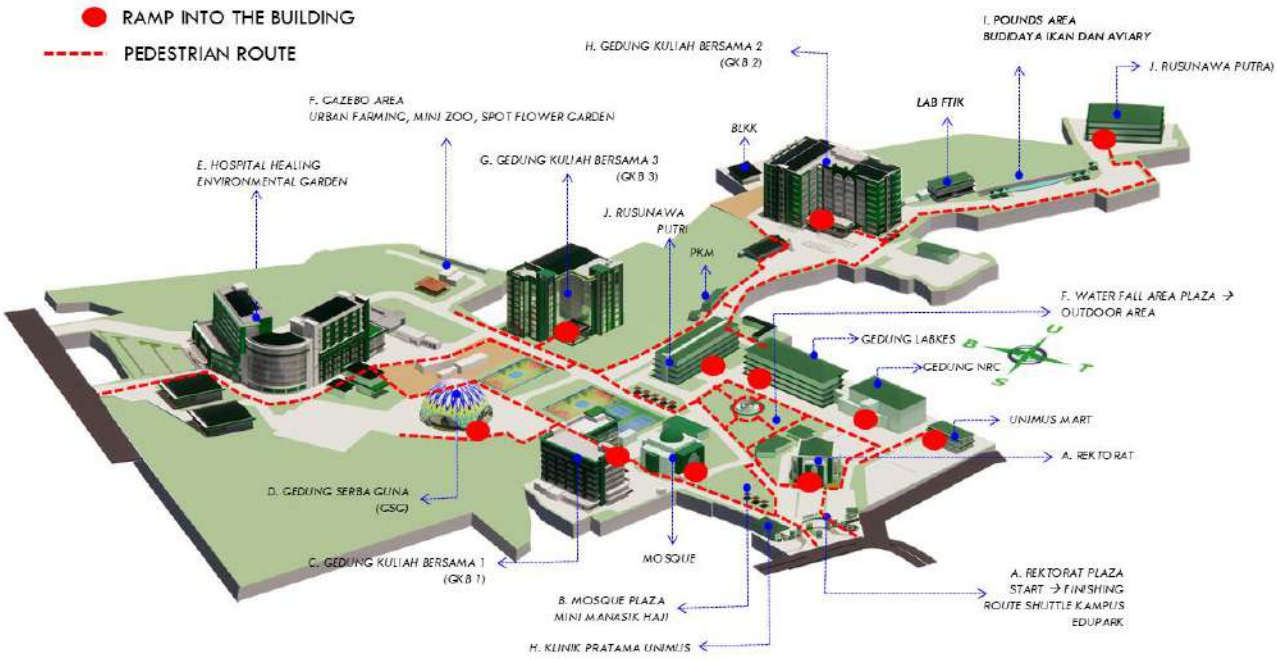
University : Universitas Muhammadiyah Semarang
Country : Semarang, Central Java, Indonesia
Web Address : https://greenmetric.unimus.ac.id/

[1] Setting and Infrastructure (SI)

[1.19] Campus facliities for disable, special needs and or maternity care (SI.7)

<table>
<tr><td>  </td><td>  </td></tr>
<tr><td>Disabled parking</td><td>Accessible toilet</td></tr>
<tr><td>  </td><td> 
</td></tr>
<tr><td>Lactation Room</td><td>Guiding Block untuk Disabilitas</td></tr>
</table>

Drop Off Entry into the Building for the Disabled



Description:

Universitas Muhammadiyah Semarang (UNIMUS) is committed to creating an inclusive, safe, and welcoming campus environment for people with disabilities. This effort is realized through the provision of various supporting facilities that facilitate access and activities of the entire academic community without physical barriers.

1. UNIMUS provides a special parking area for people with disabilities located in strategic locations, close to the main buildings where academic activities are held. This parking area is equipped with special signs and easy-to-reach lanes to make it easier for users to access the campus area.
2. Each building access in the UNIMUS environment has been designed to be disability-friendly by providing ramps, handrails, and barrier-free areas that allow wheelchair users or individuals with physical limitations to enter and exit the building safely and independently. This access design shows the university's commitment to building an inclusive infrastructure for all.

3. Each building lobby in the campus environment also functions as a drop-off area for people with disabilities, so that vehicles can stop for a moment to drop off users at the nearest point to the main entrance. UNIMUS also provides electric wheelchair facilities that can be used by students with disabilities to support their mobility during activities in the campus area.
4. The campus provides ergonomically designed disability-only toilets, with more room to move, handrails, and sanitation equipment that is easy to reach and safe to use. This facility ensures comfort and independence for people with disabilities while on campus.
5. As a form of support for the health and welfare of the academic community, UNIMUS has a Unimus Medical Center (UMC), which is equipped with medical professionals and a comfortable health service room. There is also a lactation room for lecturers and female students who breastfeed, so as to support a healthy, family-friendly, and gender-fair campus environment.

Additional evidence link (i.e., for videos, more images, or other files that are not included in this file):

- https://drive.google.com/drive/search?q=disabilitas

Evidence
UI GreenMetric Questionnaire

University : Universitas Muhammadiyah Semarang
Country : Semarang, Central Java, Indonesia
Web Address : https://greenmetric.unimus.ac.id/

[1] Setting and Infrastructure
[1.21] Safety and Security Facilities

Universitas Muhammadiyah Semarang implements an integrated campus security system to ensure a safe, orderly, and conducive academic environment for all academics. Security is carried out through the placement of security personnel at several strategic points, both at the main guard post and in building areas and parking locations.

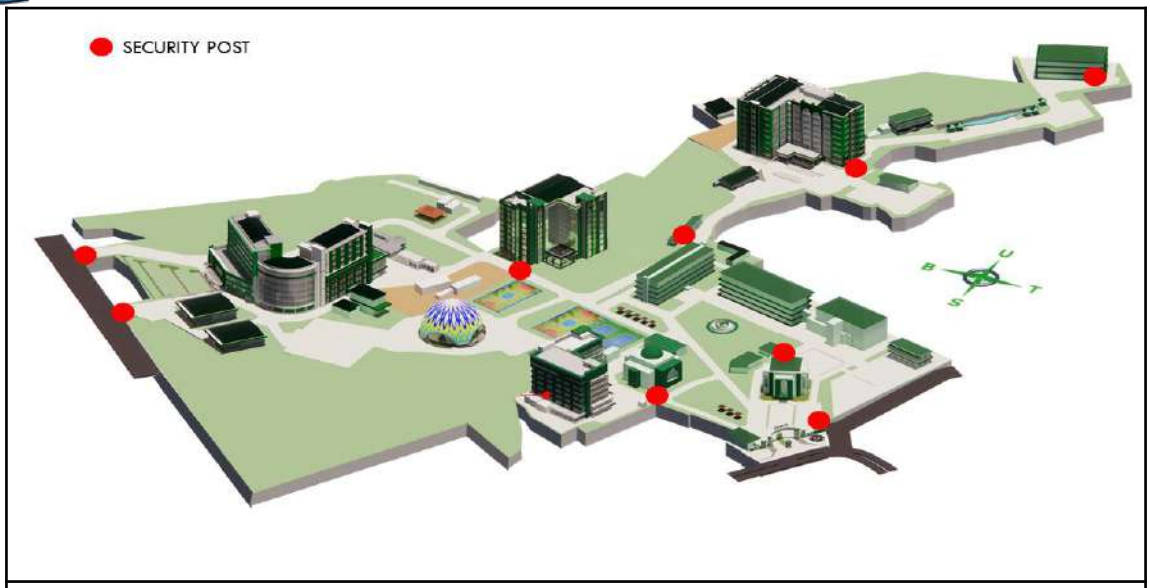
All security personnel on duty at UNIMUS are professional personnel who have Garda Pratama certification, so that they are able to carry out their duties in a disciplined manner and in accordance with applicable security operational standards. At the main gate of the campus, a main security post is provided, which functions as a control and monitoring center for the entry and exit of vehicles and campus guests.

In addition, the campus is also equipped with guard posts and parking posts in building areas to ensure thorough supervision of parking activities and movements in the campus environment. In each area of the building, security officers are placed in turns and equipped with uniforms and official security guard attributes, so that they are easily recognized and can provide services and a sense of security for the entire academic community.

To increase the effectiveness of supervision, UNIMUS has also installed CCTV cameras at various points, both indoors in the building and outdoors in the outdoor area, so that campus activities can be monitored for 24 hours. In addition to stationary surveillance, security personnel also conduct routine patrols using bicycles and patrol motorcycles to reach all campus areas quickly and respond to any potential security disturbances.

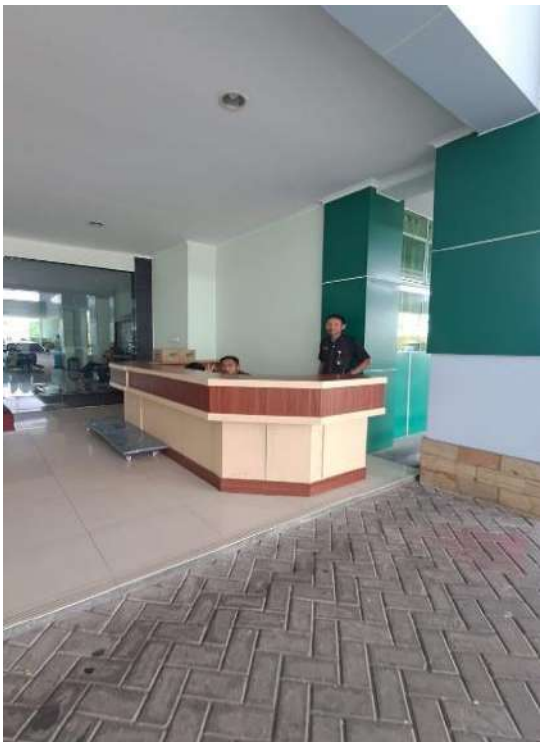
With this coordinated security system, Universitas Muhammadiyah Semarang is committed to creating a safe, orderly, and comfortable campus environment for all users of campus facilities. Building security all buildings equipped :

1. APAR
2. Fire Alarm
3. Smoke Detector
4. Springler Sistem
5. Hydrant Sistem
6. CCTV
7. Sound Paging
8. Emergency Ladder and Fire Resistant Door
9. Evacuation Signs
10. Regular training and testing of equipment with the Semarang City Fire Service.



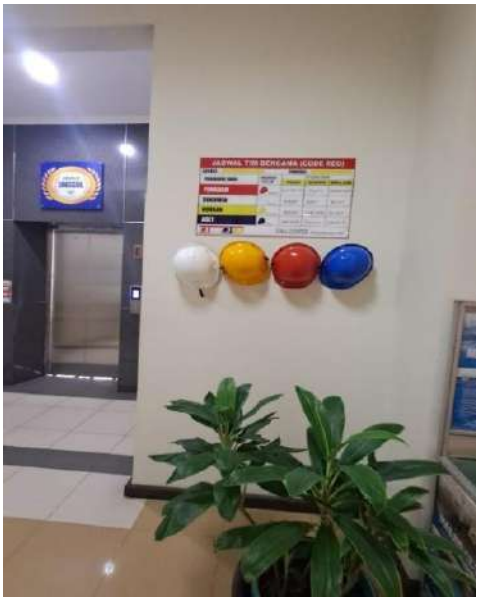
Placement Of Security Guard Posts

Security Post

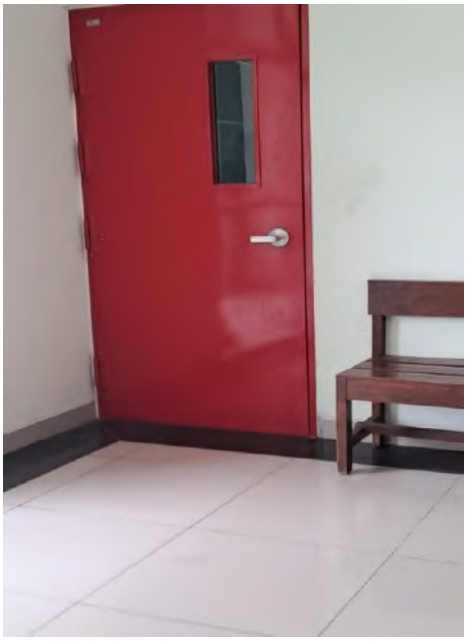



Receptionists Inside and Outside the Building

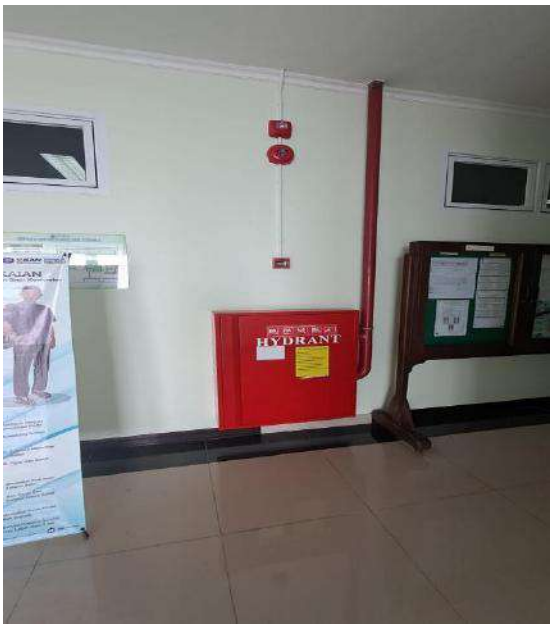

CCTV environment and in the building



Helmets and Watchlists in Each Building




Emergency Ladders And Fireproof Emergency Extinguishers



Fire Alarm and Hydran Box in the Building

APAR

Smoke Detector, Springler and Speaker Paging

Hydrant Pump and Springler System

Evidence
UI GreenMetric Questionnaire

University : Universitas Muhammadiyah Semarang
Country : Semarang, Central Java, Indonesia
Web Address : https://greenmetric.unimus.ac.id/

[1] Setting and Infrastructure
[1.21] Health Facilities for the Well-Being of Students, Academics, and Administrative Staff

Universitas Muhammadiyah Semarang offers optimal health services to its academic community, ensuring easy access to health facilities equipped with the necessary resources.

1. Availability of First Aid Boxes in Accidents in each unit and building.
2. The availability of Unimus Medical Center with guard officers, which can be accessed by students or employees, as well as lecturers, and the general public.
3. Ambulance is available.
4. Hospital health services that have been fully accredited with excellent equipment and services.
5. Doctor on duty and poly facilities, as well as Emergency Installation and inpatient services.

Health Facilities at Unimus Location

Unimus Medical Centre

UNIMUS Hospital

Evidence
UI GreenMetric Questionnaire

University : Universitas Muhammadiyah Semarang
Country : Semarang, Central Java, Indonesia
Web Address : https://greenmetric.unimus.ac.id/

[1] Setting and Infrastructure (SI)

[1.22] Conservation: plant, animal, and wildlife, genetic resources for food and agriculture secured in either medium or long-term conservation facilities (SI.10)

Conservation Area

Retention Basin

Unimus Farm

Green House

Description:

Universitas Muhammadiyah Semarang has several conservation areas that function as a space for the preservation of natural resources as well as an educational vehicle for the academic community. This conservation area is an important part of supporting the concept of a green and sustainable campus.

1. Retention Basin

   One form of conservation owned by UNIMUS is the campus reservoir, which functions as a rainwater storage area as well as a means of water conservation. The reservoir not only supports the availability of

water for the needs of the campus park and landscape, but also serves as a microhabitat area for various types of local vegetation and fauna in the vicinity.

2. UNIMUS Farm
   Unimus Farm is an integrated agricultural conservation and education land managed with environmentally friendly principles. This area is used for student practice and research activities in the fields of sustainable agriculture, animal husbandry, and natural resource management. The existence of Unimus Farm supports soil and water conservation activities and is a means of direct learning related to sustainable agricultural practices.

3. Greenhouse
   The greenhouse functions as an educational and research vehicle for the Agribusiness Study Program. This greenhouse is used for learning plant conservation, horticultural cultivation, and modern agricultural innovations based on environmentally friendly technology. Activities in the greenhouse directly contribute to the preservation of plant germplasm as well as the reduction of open land use that is at risk of erosion.

The three conservation areas, namely the retention basin, Unimus Farm, and greenhouse, are a tangible manifestation of the commitment of the University of Muhammadiyah Semarang to supporting sustainable environmental management, natural resource conservation, and the development of ecology-based education and green technology.

Evidence
UI GreenMetric Questionnaire

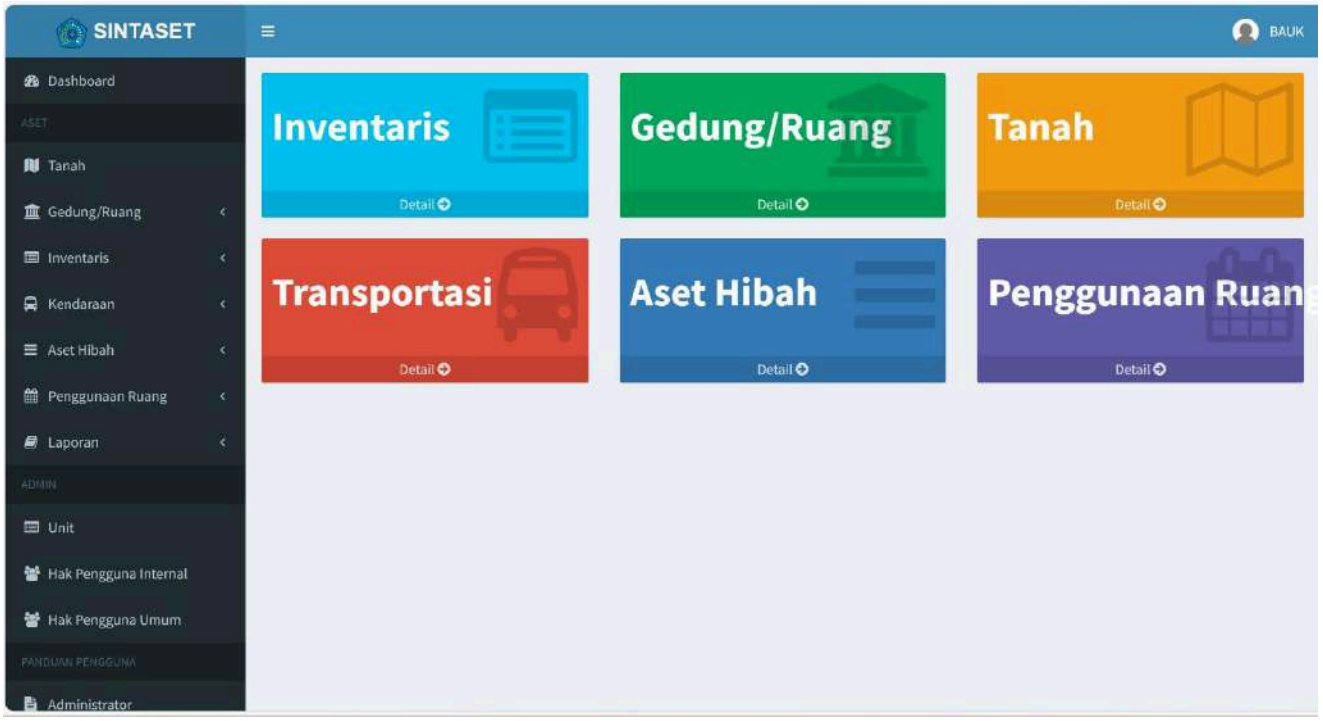
University : Universitas Muhammadiyah Semarang
Country : Semarang, Central Java, Indonesia
Web Address : https://greenmetric.unimus.ac.id/

[1] Setting and Infrastrcuture (SI)

[1.23] Planning, implementation, monitoring and/or evaluation of all programs related to Setting and Infrastructure through the utilization of Information and Communication Technology (ICT) (SI.11)

Stage	Activities/Programs	ICT Utilization	Evidence	Timeline	Responsible Team/Department
Planning	Development of a comprehensive Sintaset (Asset Management System)	Development of Sintaset, including the integration of the system with other modules (finance, procurement) and the use of advanced technology (e.g., AI for asset monitoring)	Development plan documents, new feature blueprint	July 2025 - September 2025	ICT Department, Finance Department, Asset Management
Implementation	Implementation of New Features and System Integration	Integrating new features into Sintaset, such as AI-based asset monitoring, automated reporting, and integration with finance and procurement systems	Implementation reports, system integration documentation, and data on system usage	October 2025 - December 2025	ICT Department, Finance Department, Asset Management
Monitoring	Monitoring of Sintaset System Usage and New Feature Performance	Monitoring system usage and performance to ensure smooth functioning	Monitoring reports, system performance metrics, and user feedback	January 2025 - Ongoing	ICT Department, Asset Management, Finance Department

Stage	Activities/Programs	ICT Utilization	Evidence	Timeline	Responsible Team/Department
		and identify areas for improvement			
Evaluation	Evaluation of Sintaset's Impact on Asset Management	Collecting feedback from system users (staff, asset managers, and other stakeholders) to assess	Survey results, evaluation reports, system usage analysis reports	Mei 2026	ICT Department, Asset Management



Development of the UNIMUS Asset System (SINTASET)

Description:

Benefits of Sintaset Development:

1. **Enhanced Asset Management Efficiency**: Integration with financial and procurement systems will streamline the asset management process, ensuring that asset records are kept more accurate and well-documented.
2. **Improved Asset Monitoring**: AI-based monitoring will provide real-time insights into the condition of assets, enabling quicker detection of issues and more efficient maintenance.
3. **Faster and More Accurate Reporting**: The automated reporting feature will speed up the creation of asset status reports and provide more precise data to support decision-making.
4. **Transparency and Security**: The more integrated system will increase transparency in asset management, while ensuring the security and reliability of asset data.

Planning: Development of UNIMUS Asset Management System (Sintaset)

- **Activities/Programs**: In this phase, the university will develop **Sintaset** by adding new features and integrating it with other systems, such as finance and procurement systems. This development will also include the application of **AI for asset monitoring** and enhancement of the **automated reporting system**.
- **ICT Utilization**: Project management tools (e.g., Microsoft Project, Asana) and digital collaboration tools (e.g., Microsoft Teams, Slack) will be used to coordinate planning activities, document discussions, and manage timelines.
- **Evidence**: Evidence for this phase includes project proposals outlining the scope and objectives of the Sintaset development, minutes from planning meetings detailing discussions and decisions made, and digital documents incorporating the development plan for Sintaset.
- **Timeline**: July 2025 - September 2025
- **Responsible Team/Department**: ICT Department, Finance Department, Asset Management

Implementation: Deployment of New Features and System Integration for Sintaset

- **Activities/Programs**: This phase focuses on deploying new features within **Sintaset**, including **AI for automatic asset condition monitoring**, and integrating with finance and procurement systems to streamline asset management and recording.
- **ICT Utilization**: Cloud computing technology and AI will be used to manage and monitor assets in real-time. The new system will also be integrated with software used for budgeting and procurement management.
- **Evidence**: Implementation reports, system integration documentation, and data on system usage will serve as evidence. This includes reports on the procurement of hardware or software required for development.
- **Timeline**: October 2025 - December 2025
- **Responsible Team/Department**: ICT Department, Finance Department, Asset Management

Monitoring: Monitoring of Sintaset System Usage and New System Performance

- **Activities/Programs**: Monitoring will be conducted to ensure that the **Sintaset** system functions properly and to identify areas that need improvement. This involves tracking the use of new features and optimizing system performance.
- **ICT Utilization**: Network monitoring tools (e.g., Nagios, PRTG Network Monitor) and system usage analytics tools will be used to track **Sintaset**'s performance and the effectiveness of new features.
- **Evidence**: Monitoring reports summarizing the results of regular checks, system performance metrics, and statistics on the usage of new features within **Sintaset**. Audit results and systematic reports will also serve as evidence.
- **Timeline**: January 2026 - Ongoing
- **Responsible Team/Department**: ICT Department, Asset Management, Finance Department

Evaluation: Evaluation of the Impact of Sintaset Development on Asset Management

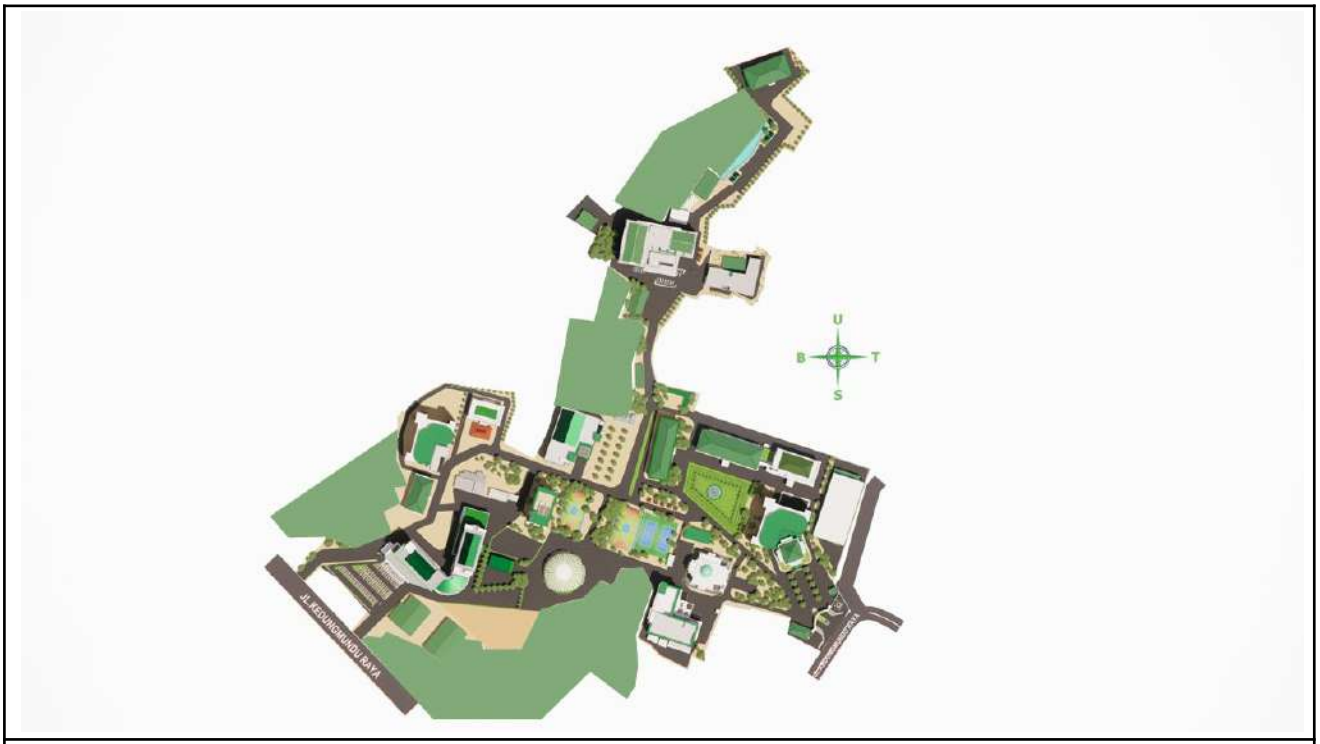
- **Activities/Programs**: The evaluation phase aims to assess how effective the development of **Sintaset** has been in improving asset management efficiency. This evaluation will be carried out by collecting feedback from system users and analyzing relevant operational data.
- **ICT Utilization**: Surveys and feedback forms will be distributed through digital platforms (e.g., Google Forms, SurveyMonkey) to collect data about user experiences. Data analysis tools (e.g., SPSS, Excel) will be used to analyze the evaluation results.
- **Evidence**: Survey results showing user perceptions of the new system, summaries of collected feedback, and operational data comparing asset management before and after **Sintaset** development.
- **Timeline**: May 2026
- **Responsible Team/Department**: Institutional Research, ICT Department, Asset Management

Template for Evidence(s)
UI GreenMetric Questionnaire

University : Universitas Muhammadiyah Semarang
Country : Semarang, Central Java, Indonesia
Web Address : https://greenmetric.unimus.ac.id/

[1] Setting and Infrastrcuture (SI)

[1.24] Impact of Setting and Infrastructure programs in supporting the Sustainable Development Goals (SDGs)



Masterplan UNIMUS has been committed to buildings that are not only functional but also environmentally friendly.

SINTASET to support sustainable infrastructure management

Description:

Universitas Muhammadiyah Semarang has implemented various regulatory and infrastructure programs that have a direct impact on achieving the Sustainable Development Goals (SDGs). These programs encompass various aspects of development, including energy efficiency, natural resource management, and enhancing the welfare of the campus community and its surroundings. The following is a more detailed description of the programs implemented:

1. **Construction and Revitalization of Environmentally Friendly Buildings**
   UNIMUS has been committed to buildings that are not only functional but also environmentally friendly. Some of the buildings built prioritize green building principles, such as the use of natural lighting systems, cross-ventilation to reduce the use of air conditioning, and the installation of solar panels to support the use of renewable energy. Additionally, these buildings are designed with energy efficiency in mind, which helps reduce the campus's carbon footprint.

2. **Increasing Green Open Space (RTH) for Air Quality and Biodiversity**
   In an effort to improve air quality and support biodiversity in the campus environment, UNIMUS has increased the area of green open space on campus. Currently, around 83.60% of the total campus area consists of open space used for parks, pedestrian paths, as well as parking areas integrated with greenery. The program supports SDG 11 (Sustainable Cities and Communities) and SDG 13 (Action on Climate Change), by creating a healthy and climate-friendly environment.

3. **Rainwater Management and Greening for Natural Resources Conservation**
   To manage rainwater and reduce the risk of flooding, this campus has installed rainwater storage systems and infiltration wells at several strategic points. This system helps conserve groundwater and prevent flooding that can damage the surrounding ecosystem. This program is in line with SDG 6 (Clean Water and Sanitation) and SDG 15 (Life on Land), by supporting the conservation of natural resources through wise management.

4. **Eco-Friendly Sanitation and Inclusive Facilities**
   UNIMUS has also provided environmentally friendly and inclusive sanitation facilities, which are accessible to everyone, including people with disabilities. Facilities such as eco-friendly toilets, as well as waste segregation systems for more efficient waste management, are part of the campus's efforts to support SDG 6 (Clean Water and Sanitation) and SDG 10 (Reducing Inequality), by ensuring that all members of the campus community have equal access to basic facilities.

5. **Promotion of Low Emission Mobility through Infrastructure Development**
   The campus also prioritizes the construction of pedestrian and bicycle paths to support low-emission mobility. The integration of public transportation systems and restrictions on motor vehicles in some areas of the campus support air pollution reduction as well as promote green transportation. The program supports SDG 11 (Sustainable Cities and Communities) and SDG 13 (Action on Climate Change) by reducing reliance on private vehicles.

6. **Utilization of Digital Technology in Infrastructure Management**
   In order to support sustainable infrastructure management, UNIMUS utilizes digital technology to monitor energy and water consumption, as well as to manage infrastructure assets efficiently. This system allows for better supervision of the use of resources, as well as improving the operational efficiency of the campus. The use of this technology supports SDG 9 (Industry, Innovation, and Infrastructure) by applying the latest technology in sustainable infrastructure management.

7. **Inclusive Learning and Accessibility for All Facilities**
   The construction of inclusive and disability-friendly learning facilities is part of UNIMUS' commitment to provide a space that is accessible to all groups. These facilities include not only comfortable lecture halls, but also open spaces that support diversity, as well as support the empowerment of women and marginalized groups. The program is linked to SDG 4 (Quality Education) and SDG 5 (Gender Equality), by ensuring equal access for all individuals to quality education.

8. **Cooperation with External Parties in Sustainable Campus Development**
   UNIMUS also collaborates with various external parties, such as the government and international partners, in developing a sustainable campus master plan. This collaboration aims to optimize campus environmental management and create global partnerships that support SDG 17 (Partnership for Goals), by sharing knowledge and technology in efforts to manage greener and more sustainable campuses

The following **are the programs that support the SDGs** in all aspects of the 17 SDGs, compiled with an in-depth explanation for each goal:

1. **SDG 1: No Poverty**
   Program: Provision of Skills Education and Training Facilities
   Universitas Muhammadiyah Semarang provides various education and training programs for the surrounding community, including skills training and capacity building programs to increase employment opportunities, especially for economically vulnerable groups. This includes competency-based education and entrepreneurial development that empowers the poor.

2. **SDG 2: No Hunger**
   Program: Sustainable Agriculture at Unimus Farm
   UNIMUS has Unimus Farm as an agricultural area that supports sustainable farming practices. In addition to educational and research activities, this farm also supports food security by developing an environmentally friendly agricultural system, using the latest technology to increase agricultural yields and reduce crop losses.

3. **SDG 3: Good Health and Well-Being**
   Program: Health Services at Unimus Medical Center
   UNIMUS provides optimal health services through the Unimus Medical Center which can be accessed by the entire academic community and the surrounding community. UNIMUS Hospitals, which have been accredited, also provide excellent healthcare services to support well-being, including emergency services and maternal and child health services.

4. **SDG 4: Quality Education**
   Program: Inclusive Learning and Accessibility for All Facilities
   UNIMUS is committed to providing learning facilities that can be accessed by all groups, including people with disabilities. The campus also offers technology-based educational programs and innovative approaches that blend theory and practice, providing equal and high-quality educational opportunities for all students.

5. **SDG 5: Gender Equality**
   Program: Women's Empowerment in Education and Leadership
   UNIMUS supports gender equality by providing scholarships and equal opportunities for women to participate in education and leadership programs. Entrepreneurship training and leadership development programs are held for women so that they can play a greater role in decision-making in the community and on campus.

6. **SDG 6: Clean Water and Sanitation**
   Program: Eco-Friendly Water Management and Sanitation
   The UNIMUS campus implements a rainwater management system through reservoirs and infiltration wells to conserve water resources and prevent flooding. In addition, campus sanitation facilities are environmentally friendly, with a waste separation system that supports efficient waste management.

7. **SDG 7: Affordable and Clean Energy**
   Program: Use of Renewable Energy through Solar Panels
   UNIMUS utilizes solar panels in various campus buildings to reduce dependence on fossil energy sources and support the use of renewable energy that is more environmentally friendly. The program also includes energy efficiency in building operations to reduce the campus's carbon footprint.

8. **SDG 8: Decent Work and Economic Growth**
   Program: Skills and Entrepreneurship Training
   UNIMUS provides entrepreneurship and skills development training for students and the surrounding community to increase decent and sustainable employment opportunities. In addition, the campus also collaborates with various companies and industries to provide internship programs for students.

9. **SDG 9: Industry, Innovation and Infrastructure**
   Program: Sustainable Campus Infrastructure Development and Technology
   UNIMUS invests in the development of environmentally friendly infrastructure, such as energy-efficient and environmentally friendly buildings. In addition, the campus also utilizes digital technology in the management of facilities and assets to improve operational efficiency.

10. **SDG 10: Reducing Inequality**
    Program: Equal Access to Education for All
    UNIMUS provides scholarships and assistance programs for students from underprivileged families. The campus also encourages the active participation of students from diverse backgrounds to ensure that everyone has equal access to quality education.

11. **SDG 11: Sustainable Cities and Communities**
    Program: Green Open Space Development and Green Transportation
    With an area of green open space that reaches more than 80% of the total campus area, UNIMUS creates a healthy environment and supports biodiversity. The campus also develops eco-friendly transportation facilities, such as bicycle and pedestrian paths, and promotes the use of public transportation to reduce pollution.

12. **SDG 12: Responsible Consumption and Production**
    Program: Waste Management and Recycling
    UNIMUS implements a campus-wide waste separation system to support better waste management and reduce environmental impact. The campus also applies the principles of responsible consumption in its operations, including reducing the use of single-use plastics.

13. **SDG 13: Action on Climate Change**
    Program: Tree Planting and Greening
    UNIMUS is actively involved in greening activities on campus, such as tree planting and maintenance of green open spaces. The program aims to reduce carbon emissions and improve air quality, while creating a greener and healthier environment.

14. **SDG 14: Underwater Life**
    Program: Natural Resources Conservation and Environmental Education
    As **part** of environment-based education, UNIMUS educates students about the importance of natural resource conservation, including underwater ecosystems. The program includes conservation research and projects that involve communities in efforts to preserve aquatic ecosystems.

15. **SDG 15: Life on Earth**
    Program: Conservation of Natural Life and Ecosystems
    UNIMUS has several conservation areas, such as Unimus Farm, which are used for education and research on nature conservation, including efforts to preserve local vegetation and biodiversity around the campus.

16. **SDG 16: Peace, Justice and Strong Institutions**
    Program: Education on Social Justice and Ethics
    UNIMUS organizes various activities to educate students about the importance of social justice, human rights, and transparent and accountable institutional development. The program supports the development of strong institutional capacity through training and capacity-building activities.

17. **SDG 17: Partnerships for the Goals**
    Program: Partnerships with Governments and International Institutions
    UNIMUS establishes partnerships with various government agencies and international partners to develop sustainable campuses. This collaboration aims to share knowledge, enhance research, and create solutions that can be implemented to achieve the SDGs more effectively.