



Template for Evidence(s) UI GreenMetric Questionnaire

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

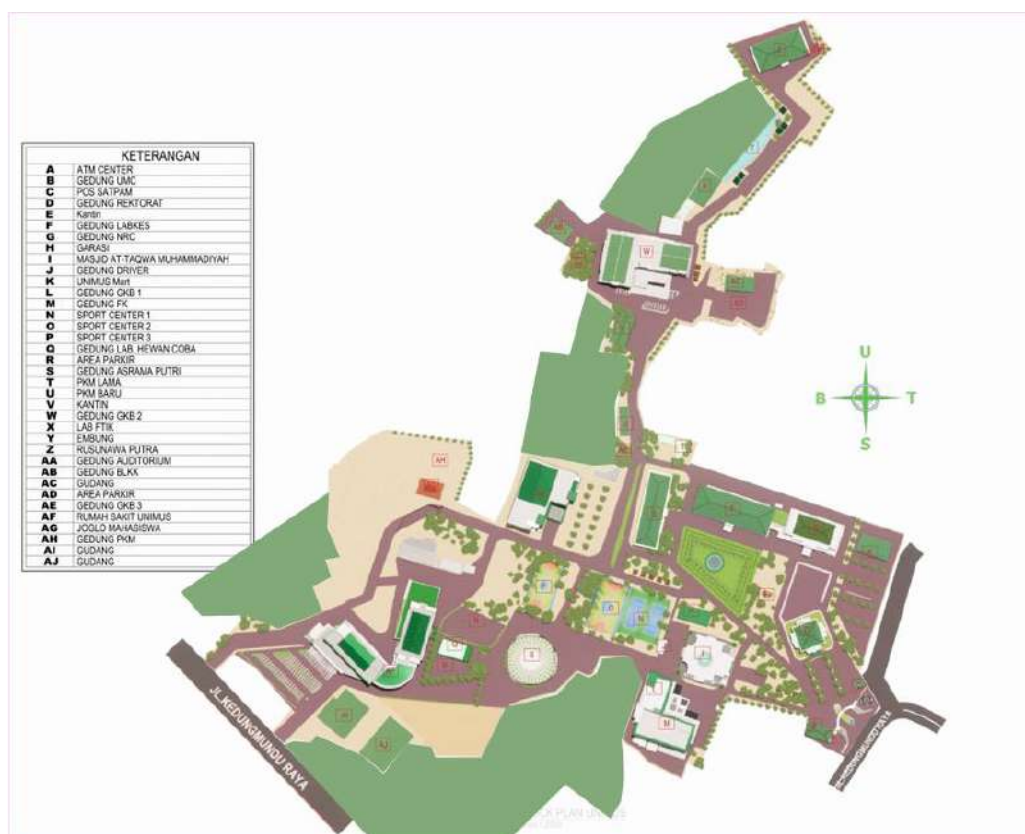
[1] Setting and Infrastructure (SI)

[1.3] Number of Campus Sites



Campus Site,
**Universitas
Muhammadiyah
Semarang**





Campus Site Universitas Muhammadiyah Semarang

Description:

Universitas Muhammadiyah Semarang (UNIMUS) reports one integrated campus site located at Jl. Kedungmundu Raya No. 18, Semarang, Central Java, Indonesia. The campus site covers approximately 212,834 m² and functions as the main academic, administrative, research, community service, student activity, and health-service environment of the university.

UNIMUS was formally established on 4 August 1999 after a development process initiated by Muhammadiyah leaders in Central Java. Since then, the Kedungmundu Campus has grown into a compact urban campus that brings together learning facilities, laboratories, student support services, religious facilities, dormitories, commercial support units, and university health services within one managed site boundary.

The campus layout is designed to support efficient academic operations and shared facilities. High-rise joint lecture buildings allow academic activities to be concentrated vertically, while surrounding green areas, shaded pedestrian corridors, mosque open space, dormitory areas, and public service zones contribute to a more comfortable and environmentally oriented campus setting. This integrated model helps reduce unnecessary land expansion, supports walkability between facilities, and improves the efficiency of utilities and campus maintenance.



Campus Site Summary 2026

Component	2026 Evidence Information
Campus site reported	1 integrated campus site: Kedungmundu Main Campus, Semarang
Site address	Jl. Kedungmundu Raya No. 18, Semarang, Central Java, Indonesia
Total site area	212,834 m ²
Establishment background	Officially established in 1999 and developed from Muhammadiyah higher education initiatives in Semarang and Central Java
Main functions	Academic learning, laboratories, research, community service, student activities, dormitories, worship facilities, health services, and university administration
Facility approach	Integrated and compact campus development with shared buildings, vertical lecture facilities, pedestrian-oriented circulation, green/open areas, and centralized institutional management

Main Building and Facility Inventory

The Kedungmundu Campus comprises fifteen main facility groups that support the university's education, research, community service, student welfare, and health service missions. The inventory below strengthens the evidence by showing the function of each building and its relevance to campus operations and sustainability-oriented management.

No.	Building / Facility	Scale / Area	Main Function	Contribution to Integrated & Sustainable Campus Management
1	Rectorate Building	±2,789 m ² ; 4 floors	Central governance, rector and vice-rector offices, academic/finance/general bureaus, quality assurance, research and community service administration, senate and institutional meeting rooms.	Centralized administration improves coordination, avoids duplicated office functions, and supports integrated campus management.
2	At-Taqwa Mosque	±3,500 m ² ; main hall, upper floor, mezzanine	Worship facility, religious activities, meeting hall, separate ablution areas, mosque management room, toilets, and supporting rooms.	Open surroundings and pedestrian access support social interaction, shaded gathering, and daily low-emission movement within campus.
3	UNIMUS Medical Center	±358 m ² ; 2 floors	Primary health service, registration, waiting area, examination rooms, minor treatment, pharmacy, observation, and student clinical practice support.	Provides on-campus health access, reducing off-campus travel for basic health services and supporting community care.
4	Health Laboratory Building	±2,615 m ² ; 4 floors	Microbiology, clinical biochemistry, pathology, sample preparation, cold storage,	Supports laboratory-based education and research with



No.	Building / Facility	Scale / Area	Main Function	Contribution to Integrated & Sustainable Campus Management
			sterilization, lecturer research, and biosafety facilities.	controlled spaces and safety procedures.
5	Nursing Research Center	±3,630 m ²	Research, collaboration, consultation, lecture rooms, small laboratories, research offices, meetings, workshops, and innovation incubation.	Strengthens applied research and community-service innovation within the main campus.
6	Joint Lecture Building 1	±12,282 m ² ; 7 floors	Main lecture center for the Faculty of Medicine with auditorium, classrooms, tutorial rooms, seminar rooms, lobby, student services, and lecturer administration.	Vertical academic building optimizes land use and concentrates learning facilities efficiently.
7	Joint Lecture Building 2	±16,000 m ² ; 8 floors	Lecture rooms, practicum facilities, laboratories, studios, seminar rooms, lecturer rooms, administration, and technical service spaces for FT, FSTP, FIPH, and FIKOMDIGI.	Shared multi-faculty facility improves space utilization and reduces duplicated infrastructure.
8	Joint Lecture Building 3	±16,534.4 m ² ; 9 floors including basement	Lecture rooms, special studios/practicum rooms, seminar rooms, tutorial rooms, and meeting rooms for FEB, FKG, and FKM.	Dense and integrated vertical development supports compact campus growth and efficient circulation.
9	Multipurpose Building	±1,673 m ²	Academic ceremonies, seminars, workshops, exhibitions, bazaars, art performances, student activities, lobby, dressing room, equipment storage, and sanitation facilities.	Flexible shared space reduces the need for separate single-purpose halls and supports inclusive campus activities.
10	Experimental Animal Laboratory	Laboratory complex facility	Research and education facility with animal model rooms, quarantine/isolation, procedure rooms, sterilization, storage, researcher workspace, and documentation area.	Operated under research ethics, biosafety, and animal-welfare supervision to maintain responsible research practice.
11	Men's Dormitory	±1,800 m ²	Residential rooms, shared study/social areas, sanitation, basic support services, resident administration, cleanliness, and security.	Supports safe housing, men's student accessibility, and reduced transportation demand.
12	Women's Dormitory	±4,500 m ²	Female student residence with bedrooms, common rooms/study rooms, pantry, sanitation, service areas, security, and open/social spaces.	Supports safe housing, women's student accessibility, and reduced transportation demand.



No.	Building / Facility	Scale / Area	Main Function	Contribution to Integrated & Sustainable Campus Management
13	UNIMUS Mart	±344 m ² ; 2 floors	Retail support unit for daily needs, stationery, food and beverages, payment/package services, and academic-community convenience.	On-campus retail service reduces short trips outside campus and supports daily activity efficiency.
14	Community Work Training Center (BLKK)	±195.42 m ²	Skills training center with practice room, workshop, theory room, and supporting vocational training facilities for students and the community.	Strengthens community empowerment and practical competency development in the campus ecosystem.
15	UNIMUS Hospital	±29,935 m ²	Teaching hospital and public health service facility with emergency unit, inpatient rooms, operating rooms, maternity rooms, specialist clinics, laboratories, radiology, pharmacy, and clinical learning spaces.	Integrates health services, clinical education, and community benefit within the university environment.

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

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UNIMUS Location on Google Maps:

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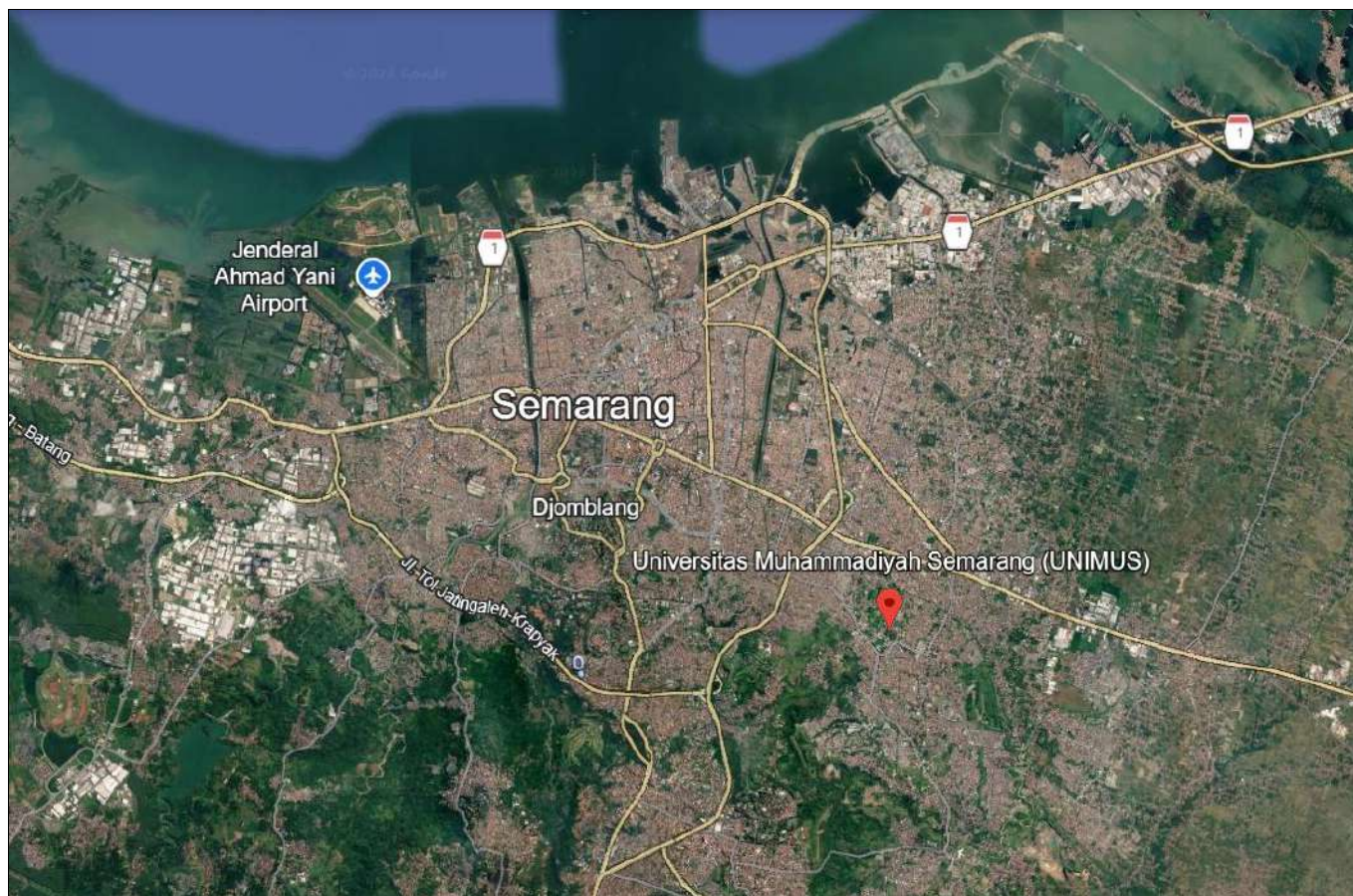


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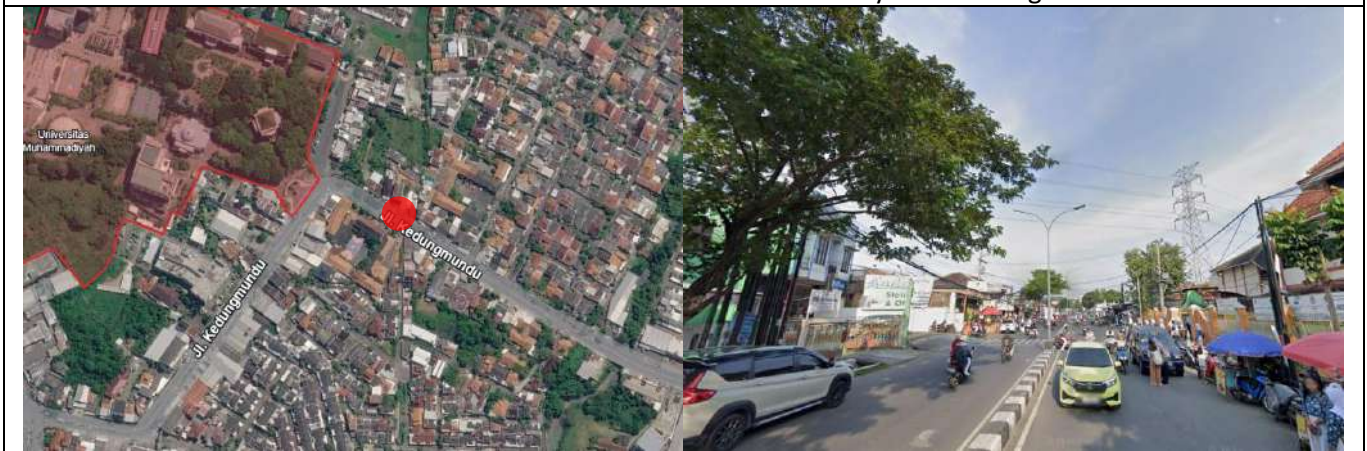
[1.4] Campus Setting



Position of Universitas Muhammadiyah Semarang in Semarang City



The front area of the Universitas Muhammadiyah Semarang



Areas Around University of Muhammadiyah Semarang



Area Belakang Universitas Muhammadiyah Semarang



In Urban Area (Universitas Muhammadiyah Semarang, Indonesia)

Description:

Universitas Muhammadiyah Semarang (UNIMUS) classifies its main campus setting as an urban campus located within the urban area of Semarang, Central Java, Indonesia. The main campus is situated on Jl. Kedungmundu Raya No. 18, in the eastern part of Semarang, an area that has developed into a mixed educational, residential, health-service, and urban community zone. This setting places UNIMUS within a compact urban environment while still allowing the campus to maintain green open spaces, pedestrian circulation, and integrated academic facilities inside one main campus boundary.

The campus location is directly connected to Semarang's urban road network and public service environment, making it accessible for students, lecturers, staff, patients, visitors, and surrounding communities. Although UNIMUS is positioned in an urban setting, the Kedungmundu area has a gently elevated topographic character, approximately 90-120 meters above sea level, which supports a relatively comfortable microclimate compared with the lower coastal parts of Semarang. This condition strengthens the campus's potential for sustainable landscape management, shaded outdoor spaces, natural air circulation, and environmentally responsive building orientation. The City of Semarang covers approximately 373.78 km² and consists of 16 districts and 177 urban villages. Recent municipal statistics also indicate that Semarang is a densely populated metropolitan city, with an average population density of around 4,608 inhabitants per km². Within this urban context, UNIMUS applies a compact campus development approach by concentrating academic, administrative, research, worship, student residential, health service, and supporting facilities in one integrated main campus area. The use of multi-storey buildings and shared facilities helps optimize land use, reduce unnecessary land expansion, and support efficient mobility between campus functions.

As an urban campus, UNIMUS has a strategic role in linking higher education with public services and community needs. The presence of lecture buildings, laboratories, student facilities, At-Taqwa Mosque, Unimus Medical Center, and the UNIMUS Teaching Hospital within the same campus environment creates a multifunctional academic ecosystem. This arrangement supports education, research, clinical learning, community service, and social activities while encouraging more efficient resource use across campus facilities.

Campus UNIMUS demonstrates a land efficient setting through compact building placement, functional zoning, shared infrastructure, pedestrian oriented internal movement, and the integration of green landscape elements.



These aspects are important because they show that the campus setting is aligned with sustainable urban campus planning, accessibility, and responsible land management.

Campus Setting Summary

Aspect	Information
Campus setting category	In Urban Area
Main campus location	Jalan Kedungmundu Raya No. 18, Semarang, Central Java, Indonesia
Urban context	Semarang City: approximately 373.78 km ² ; dense metropolitan population context
Site development approach	Compact and integrated main campus with multi storey buildings and shared facilities
Sustainability emphasis	Green landscape elements, pedestrian circulation, functional zoning, and an integrated academic-health service ecosystem

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

UNIMUS GreenMetric website: <https://greenmetric.unimus.ac.id/>

History of UNIMUS: <https://unimus.ac.id/sejarah-unimus/>

Badan Pusat Statistik Kota Semarang Website: <https://semarangkota.bps.go.id/>

Semarang dalam Angka 2025: <https://ppid.semarangkota.go.id/kota-semarang-dalam-angka/>



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[1] Setting and Infrastructure (SI)

[1.5] Total Campus Area (meter²)



Description:

The main campus of Universitas Muhammadiyah Semarang (UNIMUS) is located within one integrated campus boundary in the Kedungmundu area of Semarang, Central Java, Indonesia.

No.	Campus Area Component	2026 Value	Information
1	Total main campus area	212,834 m ²	Equivalent to 0.212834 km ² or 21.2834 hectares within the main UNIMUS campus boundary.



No.	Campus Area Component	2026 Value	Information
2	Number of buildings included in the main campus inventory	15 buildings	Recorded as the primary physical facilities located within the integrated main campus site.
3	Total building area on all floors	105,442 m ²	Represents the accumulated floor area of campus buildings used for academic, administrative, research, health service, worship, residential, and supporting functions.
4	Total building base area/building footprint	21,177 m ²	Represents the ground-level building coverage within the campus boundary, approximately 9.95% of the total campus area.
5	Open and covered surface area with grass, trees, circulation, blocks, and a parking area	191,656 m ²	Represents approximately 90.05% of the main campus area outside the building footprint, including vegetated areas, pedestrian/circulation spaces, paved blocks, and parking-support zones.
6	Total distance/circumference of campus boundary	3.05 km = 3,057 m	Measured around the main campus perimeter based on the campus boundary/siteplan.

Land use verification summary:

- Total campus area: 212,834 m² = 0.212834 km² = 21.2834 hectares.
- Building footprint ratio: 21,177 m² / 212,834 m² = approximately 9.95%.
- Open/covered non-building area ratio: 191,656 m² / 212,834 m² = approximately 90.05%.
- Site perimeter/circumference: approximately 3,057 m around the integrated main campus boundary.

UNIMUS main campus is managed as a compact and integrated urban campus. The campus area accommodates academic buildings, laboratories, the rectorate and administration facilities, the At-Taqwa Mosque, student dormitories, health service facilities, supporting commercial services, training facilities, and the UNIMUS Teaching Hospital, while maintaining a significant proportion of non-building surface areas for circulation, green/open space, and supporting infrastructure. The data on land use are therefore not only stated as figures, but also interpreted as evidence of campus spatial management and sustainable infrastructure reporting.

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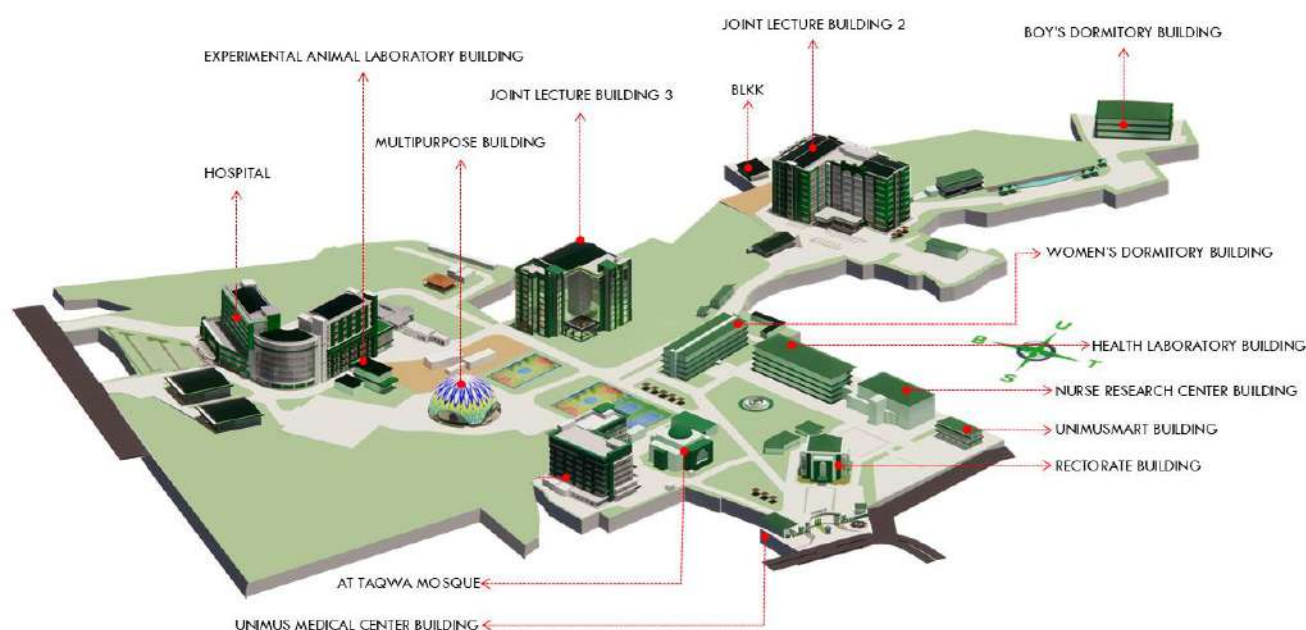


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[1] [Setting & Infrastructure]

[1.7] Total campus buildings area



Main Campus Layout and Building Distribution of Universitas Muhammadiyah Semarang

Rectorate Building	At Taqwa Mosque
	
Area: 2789.4 m ²	Area: 5000 m ²



Unimus Medical Center Building  Area: 358 m²	Health Laboratory Building  Area: 5.418 m²
Nurse Research Center Building  Area: 3.620 m²	Joint Lecture Building 1  Area: 12.282 m²
Joint Lecture Building 2  Area: 16.000 m²	Joint Lecture Building 3  Area: 21.231 m²



Multipurpose Building  Area: 1.734 m²	Experimental Animal Laboratory Building  Area: 391 m²
Man's Dormitory Building  Area: 1.800 m²	The Women's Dormitory Building  Area: 4.500 m²
Unimus Mart Building  Area: 395,93 m²	Community Work Training Center Building (BLKK)  Area: 195 m²

Hospital Building



Area: 29.935 m²

Description:

The total campus building area of Universitas Muhammadiyah Semarang (UNIMUS) of 105,442 m² and a building footprint of 21,177 m², UNIMUS exhibits a compact campus development pattern that facilitates efficient land use, vertical space utilization, and the availability of non-building areas for circulation, landscaping, parking, and environmental management. This approach strengthens the documentation of campus infrastructure while also supporting sustainability-oriented campus planning.

The total campus buildings area of Universitas Muhammadiyah Semarang (UNIMUS) is documented as the consolidated gross floor area of all permanent buildings located within the main campus boundary in Kedungmundu, Semarang. The calculation covers academic buildings, administrative offices, laboratories, student support facilities, religious facilities, residential facilities, training facilities, commercial support units, and the UNIMUS Teaching Hospital.

Item	2026 Value	Unit	Information
Total main campus area	212,834	m ²	Reference area for campus land-use calculation
Total campus buildings area	105,442	m ²	Gross floor area of buildings used for academic and supporting activities
Total number of buildings	15	buildings	Permanent facilities located inside the main campus boundary
Building footprint/base area	21,177	m ²	Indicates compact building placement and remaining open land potential
Gross building area to campus area ratio	49.54	%	Shows optimized vertical and shared-space development
Building footprint to campus area ratio	9.95	%	Supports land efficiency and preservation of non-building areas

Building Area Inventory

No.	Building Name	Main Function / Facility Coverage	Total Area	Unit
1	Unimus Medical Center Building	Primary health service, student clinical practice, and community health support.	358	m ²
2	Rectorate Building	Central university governance, leadership offices, academic administration, finance, quality assurance, and institutional management.	2,789	m ²



No.	Building Name	Main Function / Facility Coverage	Total Area	Unit
3	Health Laboratory Building	Laboratory-based learning, health science practicum, research, sample handling, and laboratory support facilities.	5,418	m ²
4	Nurse Research Center Building	Applied research, collaborative workspaces, lecture support rooms, meeting facilities, and research incubation activities.	3,620	m ²
5	At-Taqwa Mosque	Worship, Islamic learning, community gathering, and spiritual development facility within the campus.	4,793	m ²
6	Joint Lecture Building 1	Lecture halls, classrooms, tutorial rooms, seminar facilities, and academic support areas.	12,282	m ²
7	Multipurpose Building	Flexible facility for seminars, ceremonies, exhibitions, workshops, student activities, and university events.	1,734	m ²
8	Experimental Animal Laboratory Building	Specialized laboratory facility for research and education requiring animal models, with controlled research support spaces.	391	m ²
9	Women's Dormitory Building	Student residence facility with rooms, shared study areas, sanitation facilities, pantry/support areas, and security services.	4,500	m ²
10	Joint Lecture Building 2	Integrated lecture, studio, laboratory, practicum, administration, and technical service spaces.	16,000	m ²
11	Unimus Mart Building	Campus retail and daily-needs support service for students, lecturers, staff, and visitors.	396	m ²
12	Community Work Training Center Building (BLKK)	Training, workshop, vocational practice, and community skill-development facility.	195	m ²
13	Man's Dormitory Building	Male student residence with accommodation rooms, common areas, study support spaces, and basic services.	1,800	m ²
14	Hospital Building	Teaching hospital and public health service facility with emergency, inpatient, outpatient, laboratory, pharmacy, radiology, operating, and clinical education units.	29,935	m ²
15	Joint Lecture Building 3	Multi-floor academic building supporting lecture rooms, studios, laboratories, seminar rooms, tutorials, and faculty administration.	21,231	m ²
Total Campus Buildings Area		Consolidated gross floor area of 15 campus buildings	105,442	m²

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[1] Setting & Infrastructure

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



UNIMUS Main Campus Siteplan Showing the Distribution of Buildings and Open Areas

Description:

Universitas Muhammadiyah Semarang (UNIMUS) has a total land area of 212,834.00 m². The total building base area occupies 21,177.92 m², while the remaining 191,656.08 m² is classified as open area. Therefore, the ratio of open space area to total campus area is 90.05%.

Open space areas include landscaped areas, tree-covered areas, internal circulation, pedestrian routes, courtyards, plazas, parking areas, and other non-building surfaces within the campus boundary. These open areas support environmental comfort, safer campus mobility, outdoor social interaction, air circulation, and opportunities for further landscape improvement and water infiltration management.

This evidence is strengthened by presenting the calculation formula, consistent area data, and a visual siteplan. This helps ensure that the open space figure is transparent and measurable, particularly the total campus area and the total campus building footprint.



Ratio of open space towards total area: 90.05%

No	Indicator	Value	Unit
1	Total campus area	212,834.00	m2
2	Total building base area	21,177.92	m2
3	Total open area	191,656.08	m2
4	Open space area to total area ratio	90.05	%

Calculation formula

Open space ratio = (Total open area / Total campus area) x 100% = (191,656.08 / 212,834.00) x 100% = 90.05%

Open Space Area Classification

Open Space Component	Description	Area Status	Accessibility/Function
Landscaped and tree-covered areas	Green landscape elements, planted areas, and shaded outdoor zones distributed within the campus site.	Included in open area	Supports microclimate quality, visual comfort, and outdoor campus activity.
Pedestrian and internal circulation areas	Walkways, access routes, and internal movement corridors connecting academic, service, and public facilities.	Included in open area	Improves campus connectivity and encourages walkability within the site.
Courtyards, plazas, and social outdoor spaces	Outdoor spaces used for informal interaction, waiting areas, and student activities.	Included in open area	Provides shared spaces for social learning and campus community interaction.
Parking and other uncovered service areas	Uncovered areas used for parking and campus service circulation.	Included in open area	Supports campus accessibility while remaining outside building footprint.

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UNIMUS Facility of Open Space Area: <https://unimus.ac.id/taman-dan-gazebo/>

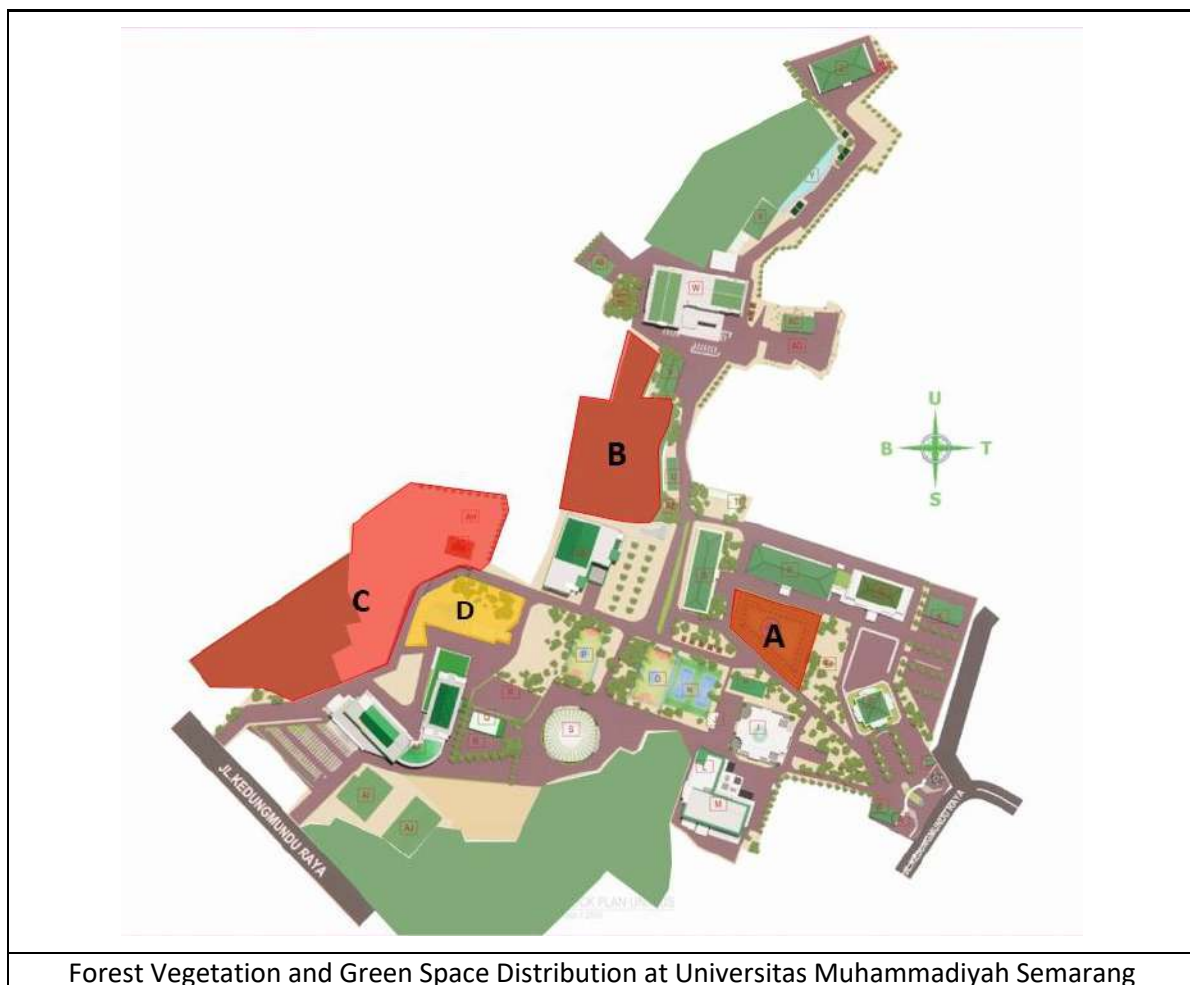


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[1] Setting and Infrastructure (SI)

[1.9] Total area on campus covered in forest vegetation used for research, teaching, and/or community engagement (meter²) (SI.2)



	
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	D. Hutan Wakaf Area = 3.000,4 m ²

Description:

The forest vegetation area of Universitas Muhammadiyah Semarang (UNIMUS) is documented as an integrated green infrastructure system presented not only as landscaped open space, but also as a functional ecological asset used for learning, applied research, student activities, and community engagement. The documented forest vegetation network consists of community engagement areas, the campus forest, urban farming/productive green areas, and in the year of 2026 update of Hutan Wakaf as a strengthened forest site for conservation and environmental education.

Indicator item	Information
Total campus area	212.834,00 m ²
Total forest-vegetation area used for research, teaching, and/or community engagement 2025	58.210,86 m ²
2026 forest site update	Hutan Wakaf is added as a documented forest site within the campus forest-vegetation network 3.000,4 m ²
Total forest-vegetation area used for research, teaching, and/or community engagement 2026	61.001,26 m ²
Forest-vegetation ratio to total campus area	34.89%



Indicator item	Information
Total distance/circumference of mapped vegetation area	2.914 m = 2.914 km

Calculation note: Forest-vegetation ratio = $61.001,26 \text{ m}^2 / 212.834,00 \text{ m}^2 \times 100$ = approximately 34.89%. The ratio is reported to show the contribution of forest vegetation to the total campus area and to keep this evidence consistent with other Setting and Infrastructure submissions.

Forest-Vegetation Components and Functions

No	Forest Vegetation Area/Site	Area information	Research, teaching, and/or community engagement function
1	Community Engagement Area	8,029.92 m ²	Garden, gazebo, and shaded outdoor learning area for student discussion, organization activities, informal teaching, and public/community interaction.
2	Forest Campus	14,576.40 m ²	Tree-dominated campus forest zone functioning as an ecological buffer, outdoor classroom, biodiversity learning space, and living laboratory for green campus studies.
3	Urban Farming and Productive Green Area	35,604.54 m ²	Productive vegetation area supporting urban agriculture, hydroponics, vertical gardening, student practice, community education, and applied sustainability projects.
4	Hutan Wakaf (2026 forest site update)	3.000,4 m ²	Forest-waqf area documented as of 2026 update to strengthen tree conservation, environmental education, community engagement, and long-term green stewardship.

1. Community Engagement Area

This area consists of garden spaces, shaded gazebos, and outdoor seating areas that support informal learning, student organization activities, mentoring, and community interaction. The presence of vegetation improves thermal comfort, provides shaded gathering points, and encourages the academic community to use outdoor spaces for healthy, collaborative, and environmentally aware campus activities.

2. Forest Campus

The Forest Campus area functions as the ecological lung of UNIMUS. It is planted with shade trees and conservation-oriented vegetation that help improve microclimate quality, reduce heat exposure, absorb carbon, enhance visual comfort, and support biodiversity within an urban campus setting. The area can be used as an outdoor classroom and living laboratory for topics such as green campus planning, biodiversity observation, urban ecology, environmental health, and sustainable landscape management.

3. Urban Farming and Productive Green Area

The urban farming area strengthens the practical dimension of sustainability education. This productive green zone is used to demonstrate efficient urban agriculture on limited land, including plant cultivation, hydroponic/vertical planting practices, and environmentally friendly food-production learning. The area is relevant for teaching, student practice, applied research, and community engagement programs related to household-scale food security, healthy living, and productive green space development.



4. Hutan Wakaf - 2026 Forest Site Update

Hutan Wakaf is added in the 2026 evidence as an updated forest site that strengthens UNIMUS forest-vegetation documentation. This site supports long-term green stewardship through tree planting, environmental education, conservation campaigns, and community-based sustainability activities. The concept of Hutan Wakaf also reinforces the university's Islamic and Muhammadiyah values by linking environmental protection with social responsibility and public benefit. As part of the campus forest-vegetation network, Hutan Wakaf provides added value for UI GreenMetric assessment because it shows an active and mission-based effort to expand and manage forest related campus functions beyond ornamental landscaping.

Compared with the previous submission, the 2026 explanation of forest vegetation clearly connects the green areas to research, teaching, and community engagement functions. The additional identification of Hutan Wakaf demonstrates that UNIMUS is improving the management and documentation of its forest-related campus assets. This update supports a stronger assessment because the forest vegetation area is presented as a measurable, functional, and educational sustainability resource rather than merely as general open space.

Total area: 61.001,26 m²

Total distance/circumference: 2.914 m = 2.914 km

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Launching of Hutan Wakaf: <https://unimus.ac.id/berkolaborasi-dengan-lkhp-pp-muhammadiyah-dan-latin-unimus-luncurkan-hutan-wakaf-pendidikan-di-lingkungan-kampus/>



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[1] Setting and Infrastructure (SI)

[1.10] Total area on campus covered in planted vegetation (meter²) (SI.3)



Taman Area Gazebo



Unimus Healing Garden



Area Gazebo



Planted Vegetation

Description:

Universitas Muhammadiyah Semarang (UNIMUS) continues to maintain planted vegetation as an important part of its sustainable campus landscape. The planted vegetation areas are distributed across the main campus and include lawns, ornamental gardens, shade-tree corridors, shrubs, small plants, vegetated pedestrian buffers, landscape areas around academic buildings, the gazebo garden area, and the UNIMUS Healing Garden.

Based on plant inventory, UNIMUS has recorded approximately 205 plant types spread throughout the campus area, ranging from small ground-cover plants and shrubs to medium and large shade trees.

This vegetation is not only used as aesthetic landscape treatment, but also contributes to thermal comfort, air-quality improvement, rainwater absorption, outdoor learning support, and student well-being.

The planted vegetation area is calculated by separating the total campus area from the building footprint and hardscape/concrete-block surfaces. This method provides a clearer and more accountable estimation of the vegetated surface within the campus boundary.

UNIMUS specifically strengthens two representative planted vegetation zones: the Garden and Gazebo Area, which functions as an outdoor learning and student interaction space, and the UNIMUS Healing Garden, which supports restorative campus experiences by providing a calm, green, and accessible environment for reducing stress and improving emotional comfort. Together with other planted landscape pockets, these areas demonstrate UNIMUS commitment to maintaining a green, healthy, and human-centered campus environment.

Area Calculation Summary

No	Area Component	Area (m ²)	Remarks
1	Total main campus area	212,834.00	Campus boundary used consistently for Setting and Infrastructure indicators
2	Total building base area	21,177.92	Building footprint excluded from open/vegetated area calculation
3	Total concrete block / hardscape area	31,604.18	Non-vegetated open surface such as paved circulation and parking support area
4	Total planted vegetation area	160,051.91	Green landscape area including gardens, lawns, shrubs, and planted vegetation zones
5	Percentage of planted vegetation to total campus area	75.20%	$160,051.91 \text{ m}^2 / 212,834.00 \text{ m}^2 \times 100$



No	Area Component	Area (m ²)	Remarks
6	Percentage of planted vegetation to total open space	83.51%	$160,051.91 \text{ m}^2 / 191,656.08 \text{ m}^2 \times 100$

Planted Vegetation Distribution and Functions

No	Planted Vegetation Component	Main Function	Contribution to Integrated & Sustainable Campus Management
1	Garden and Gazebo Area	Outdoor study, student gathering, organization activities, and informal learning	Shows accessible green open space that directly supports campus life and learning activities
2	UNIMUS Healing Garden	Restorative garden for relaxation, stress reduction, and emotional well-being	Supports a healthy campus environment and student-centered sustainability
3	Landscape around academic and service buildings	Shade, microclimate improvement, building-front greenery, and visual comfort	Demonstrates integration of vegetation with campus infrastructure
4	Planted pedestrian corridors and open landscape pockets	Pedestrian comfort, dust reduction, and greenery continuity	Strengthens walkability and climate-sensitive campus design
5	Shrubs, small plants, and shade trees across campus	Biodiversity support, carbon absorption, and air-quality improvement	Provides measurable green coverage and supports long-term green-campus maintenance

Total Planted Vegetation Area

Total planted vegetation area: 160,051.91 m²

Total campus area: 212,834.00 m²

Percentage area: 75.20%

Note: planted vegetation represents approximately 83.51% of the total open space area within the main campus boundary.

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

UNIMUS GreenMetric website: <https://greenmetric.unimus.ac.id/>

UNIMUS Official Website: <https://unimus.ac.id/>

UNIMUS Garden and Plant Inventory:

https://drive.google.com/file/d/1IKLp7BqA_7w-poPG5i1qbtj3_V-FbO9I/view?usp=sharing

UNIMUS Facility of Open Space Area: <https://unimus.ac.id/taman-dan-gazebo/>



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 Infrastructure (SI)

[1.15] Campus facilities for disable, special needs and or maternity care (SI.15)



Campus Accessibility Facilities Map



Disabled parking



Accessible toilet



Lactation Room



Guiding Block untuk Disabilitas



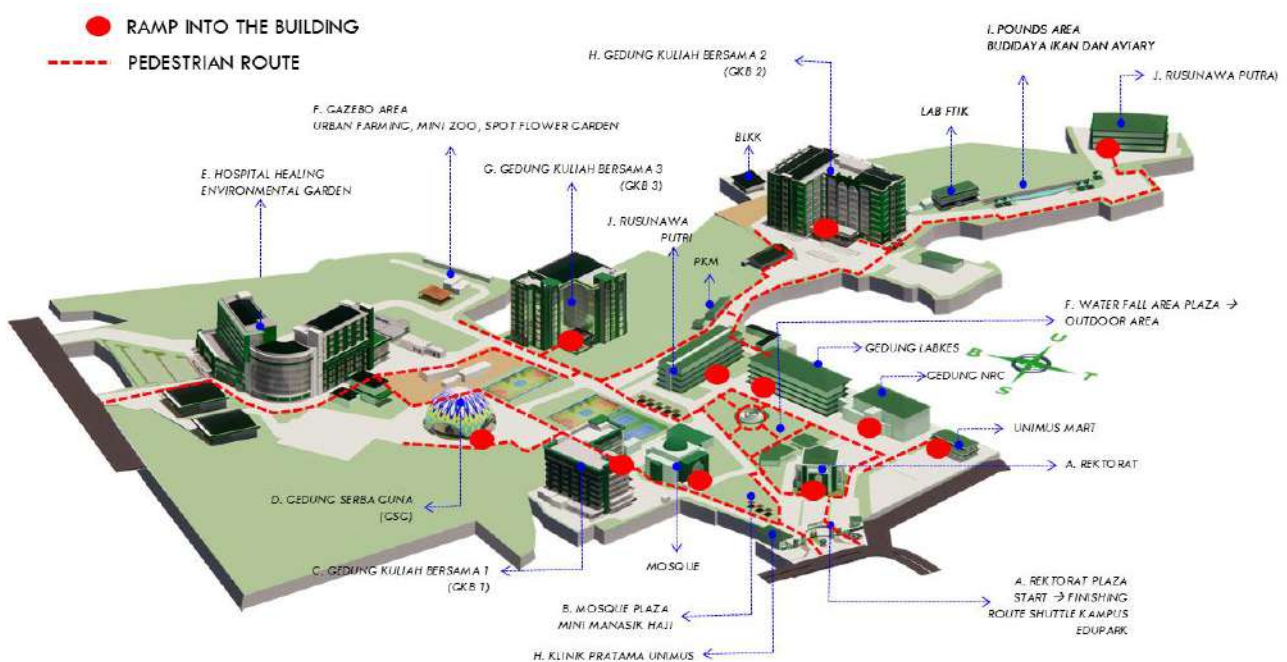
Discussion Room for Students with Disabilities



Student Counseling Services for Mental Health Support



Drop Off Entry into the Building for the Disabled



Campus Accessibility Distribution Map

Description:

Universitas Muhammadiyah Semarang (UNIMUS) strengthens its inclusive campus environment by providing accessibility and welfare facilities for persons with disabilities, users with special mobility needs, and mothers who require maternity or lactation support. The facilities are placed at strategic points within the main campus area to reduce physical barriers and to support safe, independent, and comfortable movement for students, staff, visitors, and the surrounding community.

The facilities include disabled parking, accessible toilets, ramp and handrail access, barrier-free entrances, drop-off zones near building lobbies, guiding block/accessible circulation support, wheelchair assistance, lactation room facilities, and basic health support through the Unimus Medical Center.



The facilities for daily campus activities are not only provided as physical infrastructure, but also as part of UNIMUS commitment to equal access, health protection, gender-responsive services, and inclusive campus governance. The integration of these facilities across the academic, administrative, health-service, and public-use areas helps ensure that campus activities can be accessed by a wider range of users.

No.	Facility Type	Main Location / Coverage	Function	Contribution to Integrated & Sustainable Campus Management
1	Disabled parking	Strategic parking spaces near main campus buildings	Provides priority parking for users with disabilities and special mobility needs.	Improves access from the vehicle area to academic and service buildings.
2	Accessible toilet	Selected academic and service buildings	Provides wider movement space, handrails, and reachable sanitary equipment.	Supports safety, dignity, and independence for users with disabilities.
3	Ramp, handrail, and barrier-free entrance	Main building entrances and lobby areas	Facilitates wheelchair access and safer mobility for users with limited movement.	Reduces physical barriers and improves universal access.
4	Guiding block / accessible circulation support	Pedestrian circulation and building approach areas	Assists users in navigating campus pathways and building entrances.	Strengthens orientation, safety, and accessibility of campus circulation.
5	Drop-off entry point	Lobby areas of main buildings	Allows vehicles to stop closer to building entrances for users requiring assistance.	Shortens walking distance and improves accessibility during arrival/departure.
6	Wheelchair assistance	Campus service points / building lobby support	Supports mobility for users who need temporary or continuous assistance.	Enhances emergency readiness and daily mobility services.
7	Lactation room	Health/support-service area and designated room	Provides a private, comfortable, and hygienic space for breastfeeding mothers or staff/students who need to express breast milk.	Supports maternity care, gender equity, and family-friendly campus services.
8	Unimus Medical Center (UMC)	Campus health service facility	Provides basic medical support, consultation, and first response services for the academic community.	Connects maternity care, health protection, and inclusive welfare services.
9	Student Counseling Services for Mental Health Support	Campus health service facility	Support the mental and physical well-being of its students through comprehensive guidance and counseling services.	Services are designed to assist students in managing academic challenges, personal development, and emotional health, creating a supportive and



No.	Facility Type	Main Location / Coverage	Function	Contribution to Integrated & Sustainable Campus Management
				inclusive campus environment that promotes overall well-being.

1. Disabled parking and priority access. UNIMUS provides disabled parking spaces near major activity nodes so that users with disabilities can reach campus buildings with shorter and safer travel distances. The parking area is supported by visible markings and is connected to pedestrian access toward building entrances.
2. Accessible entrances, ramps, and handrails. Building entrances are supported by ramps, handrails, and barrier-free transition areas. This design allows wheelchair users, elderly visitors, pregnant women, and users with temporary injuries to enter buildings more safely and independently.
3. Drop-off points and mobility assistance. Main lobbies function as short-stop drop-off points for users who require closer access to the building entrance. Wheelchair assistance is also provided to support mobility within the campus environment, especially for users who need temporary help during academic, administrative, or health-service activities.
4. Accessible toilet facilities. Accessible toilets are provided with larger movement spaces, supporting handrails, and sanitary equipment that can be reached safely. These facilities help ensure comfort, privacy, and independence for users with disabilities and special needs.
5. Lactation and maternity support. The lactation room provides a private and comfortable facility for breastfeeding mothers, including female staff, lecturers, students, and visitors. This facility supports a family-friendly and gender-responsive campus environment.
6. Health-service support through UMC. Unimus Medical Center strengthens campus welfare services by providing health support for the academic community and visitors. Its presence complements accessibility and maternity-care facilities, particularly for first aid, consultation, and basic health assistance.

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

UNIMUS Official Website: <https://unimus.ac.id/>

UNIMUS Facilities: <https://unimus.ac.id/kampus-unimus/>

UNIMUS Equality, Diversity, and Inclusion (EDI) Facilities: <https://sustainability.unimus.ac.id/social-impact/2025-social-impact/>

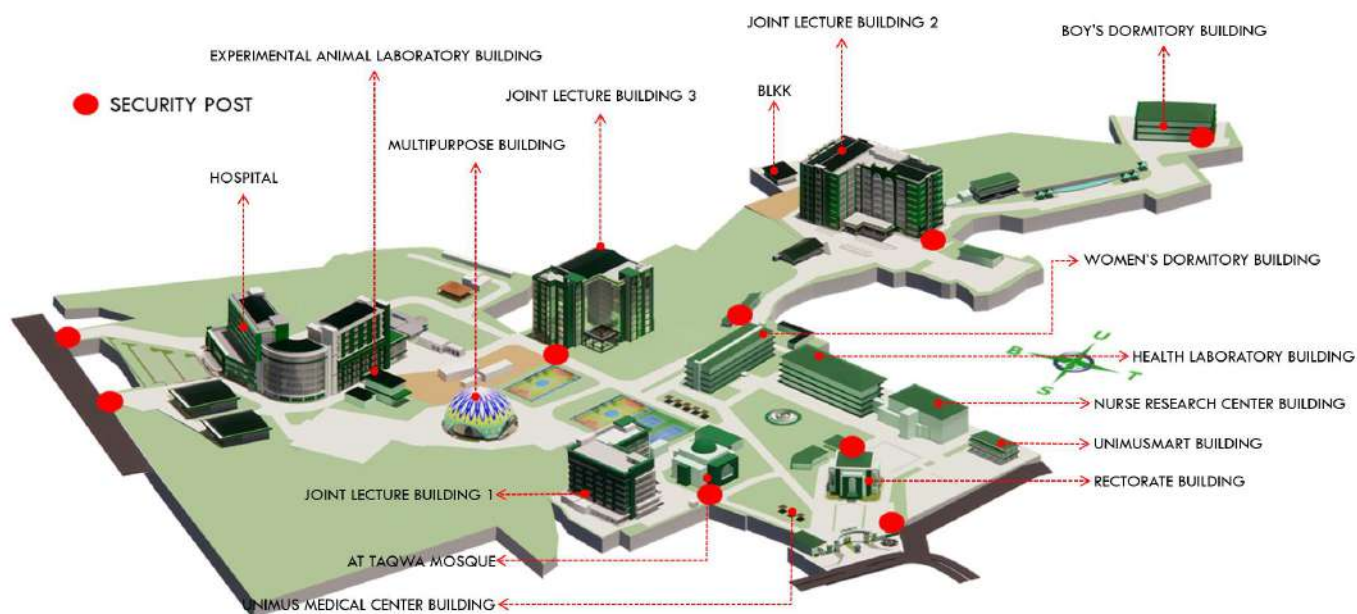


Template for Evidence(s) UI GreenMetric Questionnaire

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

[1] Setting and Infrastructure (SI)

[1.16] Security and safety facilities (SI.6)



Security Post Map



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

Description:

Universitas Muhammadiyah Semarang (UNIMUS) strengthens campus security and safety through an integrated system that combines trained security personnel, monitored access points, surveillance technology, fire protection facilities, and emergency response equipment. The system is arranged to support safe learning, research, health services, worship, public services, and student activities across the campus environment.



The facilities are presented as an integrated safety-management arrangement. This helps demonstrate that security and emergency facilities are distributed throughout the campus and are used to reduce risk, support early detection, and improve response readiness.

Summary of Security and Safety Facilities

No.	Facility Category	Location/Distribution	Function for Safety and Security
1	Security personnel and guard posts	Main gate, parking zones, building lobbies, and strategic campus points	Access control, visitor direction, vehicle flow control, and prevention of unsafe activities.
2	CCTV surveillance	Indoor and outdoor areas, including entrances, lobbies, corridors, and selected public spaces	Continuous monitoring to support incident prevention, documentation, and rapid response.
3	Reception and monitoring desks	Inside and outside selected buildings	First-contact service, visitor management, information assistance, and reporting point.
4	Fire safety equipment	Campus buildings and technical/service areas	APAR/fire extinguisher, hydrant box, fire alarm, smoke detector, sprinkler system, hydrant pump, sound paging, emergency stairs, and fire-resistant doors.
5	Emergency guidance and protection	Building corridors, emergency routes, and selected evacuation points	Evacuation signs, emergency direction, helmets, watchlists, and response-support equipment.
6	Training and equipment testing	Campus safety units in coordination with relevant external emergency services	Regular training and testing of equipment to improve emergency preparedness, including fire response readiness.

Operational Description

1. Security guards are assigned at the main security post, parking areas, and building access points to maintain order, control vehicle movement, and provide direct assistance to students, staff, guests, and visitors.
2. Security personnel are supported by Garda Pratama certification and are arranged in shifts to maintain consistent supervision of campus activities.
3. CCTV cameras are installed at various strategic points, both inside buildings and in outdoor campus areas, to support 24-hour monitoring and incident documentation.
4. Reception areas and building front desks strengthen visitor control, direct reporting, and immediate coordination with security officers when assistance is needed.
5. Fire protection facilities are provided in buildings, including APAR, hydrant boxes, fire alarms, smoke detectors, sprinkler systems, hydrant pumps, sound paging systems, emergency stairs, and fire-resistant emergency doors.
6. Evacuation signs and emergency guidance facilities are installed to assist building users in identifying safe routes during emergencies.
7. Routine checks, watchlists, and safety equipment testing are used to maintain the functionality of emergency devices and improve campus preparedness.



Main Safety and Security Facility List

1. APAR / portable fire extinguishers
2. Fire alarm system
3. Smoke detectors
4. Sprinkler system
5. Hydrant system and hydrant pump
6. CCTV monitoring
7. Sound paging / emergency announcement system
8. Emergency stairs and fire-resistant emergency doors
9. Evacuation signs and emergency routes
10. Security guard posts and campus patrols
11. Reception and visitor monitoring points
12. Safety helmets, watchlists, and response-support equipment
13. Regular training and equipment testing with the Semarang City Fire Service

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

UNIMUS Safety Workshop: <https://unimus.ac.id/fakultas-teknik-gelar-webinar-nasional-pelatihan-k3/>

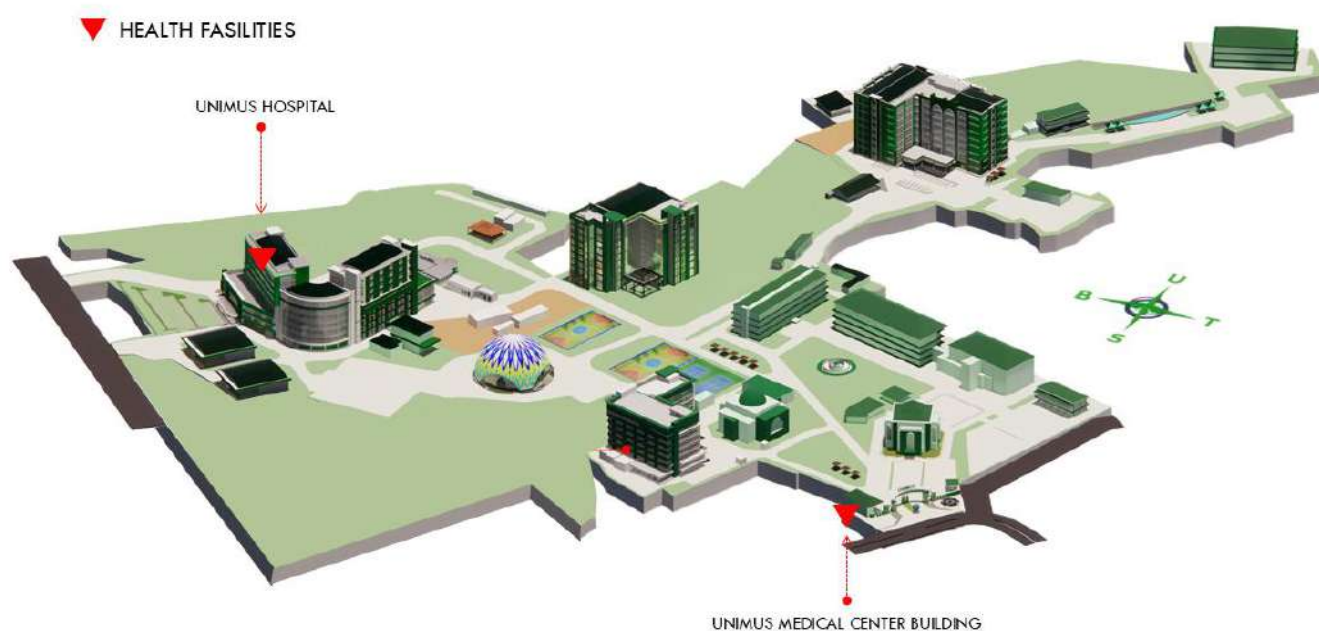


Template for Evidence(s) UI GreenMetric Questionnaire

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

[1] Setting and Infrastructure (SI)

[1.17] Health infrastructure facilities for students, academics and administrative staffs' wellbeing (SI.7)



Health Facilities at Unimus Map



Unimus Medical Centre



UNIMUS Hospital

Description:

Universitas Muhammadiyah Semarang (UNIMUS) provides campus health infrastructure to support the wellbeing, safety, and daily activities of students, lecturers, academic staff, administrative staff, visitors, and the surrounding community. The health-support system is arranged through basic first-aid readiness in campus units, direct campus health services through the Unimus Medical Center (UMC), ambulance availability for urgent mobility needs, and referral-based services through the fully accredited UNIMUS Hospital. These facilities strengthen the university's commitment to a healthy, responsive, and inclusive campus environment.

- 1. First-aid readiness in campus buildings.** First aid boxes are provided in units and buildings as basic safety equipment for handling minor accidents or initial health complaints. This facility helps ensure that the academic community can receive immediate first response before being referred to UMC or UNIMUS Hospital if necessary.
- 2. Unimus Medical Center (UMC).** UMC functions as the primary campus health service point. It can be accessed by students, lecturers, employees, and visitors for basic medical consultation and first response. Its location within the campus area makes it easier for campus users to obtain health assistance without leaving the university environment.
- 3. Ambulance and emergency mobility support.** Ambulance availability strengthens emergency preparedness by supporting patient mobility and referral when urgent treatment is required. This facility complements first-aid readiness and the presence of nearby health-service units.
- 4. UNIMUS Hospital.** UNIMUS Hospital provides broader health services and functions as a health-service and teaching hospital facility. The hospital supports the wellbeing of the university community through medical services, emergency installation, polyclinic services, inpatient care, and supporting medical facilities.
- 5. Doctor on duty, polyclinic, emergency, and inpatient services.** The availability of professional medical personnel, outpatient/poly services, emergency installation, and inpatient care improves the continuity of health services from basic consultation to further medical treatment.
- 6. Maternity-care and family-friendly health support.** The presence of health infrastructure, including UMC and UNIMUS Hospital, also supports maternity-care needs and family-friendly campus services. This strengthens the university's commitment to wellbeing, gender-responsive facilities, and inclusive campus support.



Health Infrastructure Facility Inventory

No.	Health Infrastructure	Main Location / Coverage	Service Function	Contribution to Campus Wellbeing
1	First Aid Boxes	Available in campus units and buildings	Provides initial first-aid support for minor accidents, injuries, or sudden health complaints before further medical handling.	Improves basic emergency readiness in academic, administrative, and public-use areas.
2	Unimus Medical Center (UMC)	Campus primary health facility	Provides accessible health consultation, basic examination, first response, and daily health support for students, lecturers, staff, and visitors.	Strengthens campus health protection and provides a first point of contact for medical support.
3	Ambulance Service	Campus health-support facility	Supports emergency transportation and patient mobility when immediate referral or evacuation is required.	Improves emergency response capacity and referral readiness.
4	UNIMUS Hospital	Integrated teaching hospital and public health-service facility	Provides comprehensive health services, supported by medical personnel, specialist services, emergency unit, inpatient services, and supporting facilities.	Ensures stronger referral access, clinical education support, and wider health service for the academic community and public.
5	Doctor on Duty and Polyclinic Services	UMC and UNIMUS Hospital	Provides professional medical assessment, consultation, and outpatient services.	Supports early detection, treatment, and routine health access.
6	Emergency Installation (IGD) and Inpatient Services	UNIMUS Hospital	Provides emergency medical handling and inpatient care for cases requiring further treatment.	Strengthens campus resilience through nearby emergency and referral care.
7	Maternity and Lactation-Related Support	UMC / UNIMUS Hospital and designated support areas	Supports women's health, maternity-related consultation, and family-friendly health services when needed.	Promotes gender-responsive, inclusive, and family-friendly campus welfare.



Service Coverage and Wellbeing Relevance

Service Category	Facilities / Support	Users Served	Contribution to Campus Wellbeing
Preventive and promotive health	Health information, basic consultation, first-aid readiness, and health-support access through UMC	Students, lecturers, academic staff, administrative staff, and visitors	Supports wellbeing, safety awareness, and healthy campus behavior.
Curative services	UMC, doctor on duty, polyclinic services, and hospital care	The academic community and the surrounding public	Provides accessible treatment and supports community-oriented health services.
Emergency response	First aid boxes, ambulance service, emergency unit, and referral pathway	Campus users requiring urgent support	Improves campus preparedness and risk response.
Referral and advanced care	UNIMUS Hospital with emergency installation, inpatient services, and medical support facilities	Campus community and general public	Provides comprehensive health infrastructure linked to teaching, service, and community engagement.
Inclusive and family-friendly support	Maternity-care support, lactation-related facilities, and accessible health-service points	Female students, lecturers, staff, visitors, and users with special health needs	Strengthens inclusive welfare and gender-responsive health support.

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

UNIMUS Official Website: <https://unimus.ac.id/>

UNIMUS Health infrastructure facilities: <https://fk.unimus.ac.id/layanan-kesehatan/>

UNIMUS Health and Wellness Services: <https://sustainability.unimus.ac.id/social-impact/2025-social-impact/>

UNIMUS Hospital Website: <https://rsunimus.com/>

Unimus Medical Center (UMC): <https://unimus.ac.id/layani-kesehatan-masyarakat-unimus-buka-klinik-pratama/>



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 Infrastructure (SI)

[1.18] Conservation: plant, animal, and wildlife, genetic resources for food and agriculture secured in either medium or long-term conservation facilities (SI.8)



Conservation Area Map



Retention Basin



Unimus Farm



Green House



Hutan Wakaf

Description:

Universitas Muhammadiyah Semarang (UNIMUS) maintains conservation facilities that support the protection of plant resources, agricultural biodiversity, water resources, and campus-based animal conservation. These facilities are used not only as physical green assets, but also as living laboratories for teaching, applied research, student practice, and community engagement related to sustainable campus management.

The conservation area is presented in a more integrated way by connecting the retention basin, UNIMUS Farm, greenhouse, campus biodiversity area, and Hutan Wakaf/Forest Campus as part of UNIMUS conservation-oriented infrastructure. This improvement clarifies the function of each conservation site and strengthens the evidence that the facilities contribute to medium- and long-term sustainability goals, including biodiversity preservation, food and agriculture education, water conservation, and ecological awareness.

The conservation facilities are located within the main campus environment and function as outdoor learning spaces. They support interdisciplinary activities involving agriculture, environmental management, health, architecture, engineering, and community service. The facilities also help create a greener campus setting by increasing vegetation cover, improving microclimate quality, supporting infiltration and water retention, and providing areas for biodiversity observation.

Conservation Facilities and Their Functions

No.	Conservation Facility	Main Conserved Resource	Contribution to to Integrated & Sustainable Campus
1	Retention Basin	Rainwater, aquatic microhabitat, surrounding vegetation, and local fauna.	Water conservation, rainwater retention, runoff control, landscape irrigation support, and environmental learning.
2	UNIMUS Farm	Agricultural land, food crops, small livestock/animal husbandry resources, and soil-water conservation practices.	Field practice and community engagement for sustainable farming, food/agriculture education, and resource management.
3	Greenhouse	Horticultural plants, seedlings, vegetables, hydroponic plants, and controlled-cultivation materials.	Controlled cultivation, plant propagation, hydroponic learning,



No.	Conservation Facility	Main Conserved Resource	Contribution to Integrated & Sustainable Campus
			applied research, and efficient land-use demonstration.
4	Hutan Wakaf / Forest Campus	Shade trees, campus forest vegetation, native/local plants, and habitat-supporting greenery.	Outdoor conservation education, biodiversity support, carbon sequestration potential, ecological connectivity, and campus microclimate improvement.
5	Campus Biodiversity Support Area (Fish Pond, Aviary, Mini Zoo, and Flower Garden)	Fish, birds, ornamental plants, pollinator-friendly plants, and small-scale biodiversity resources.	Direct observation, biodiversity literacy, wildlife and plant care education, and engagement with students and communities.

Detailed Conservation Use

1. The retention basin serves as a water-conservation facility and a microhabitat that can be observed in teaching activities related to landscape, drainage, and environmental management.
2. UNIMUS Farm provides an applied learning space for sustainable agriculture, animal care, and community-based food-resource education.
3. The greenhouse supports horticultural cultivation, hydroponic practice, seedling management, and plant conservation activities under a controlled environment.
4. Hutan Wakaf/Forest Campus strengthens the year of 2026 conservation by adding a long-term campus forest site for tree conservation, biodiversity improvement, and green campus engagement.
5. The biodiversity support area, including fish pond, aviary, mini zoo, and flower garden elements, enriches animal and plant conservation learning within the campus environment.

Overall, the retention basin, UNIMUS Farm, greenhouse, Hutan Wakaf/Forest Campus, and biodiversity support areas demonstrate UNIMUS commitment to conserving plant, animal, wildlife, and genetic resources for food and agriculture. These areas also provide educational, research, and community engagement benefits while supporting sustainable infrastructure, green campus development, and long-term ecological stewardship.

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

UNIMUS Official Website: <https://unimus.ac.id/>

UNIMUS Conservation Facilities: <https://agribisnis.unimus.ac.id/fasilitas/>

Launching of Hutan Wakaf: <https://unimus.ac.id/berkolaborasi-dengan-lkhp-pp-muhammadiyah-dan-latin-unimus-luncurkan-hutan-wakaf-pendidikan-di-lingkungan-kampus/>

UNIMUS conservation support actions through assisted villages: <https://unimus.ac.id/panen-perdana-padi-unimus-bersama-petani-kendal-wujud-nyata-sinergi-kampus-dan-desa-untuk-kemandirian-pangan/>



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 Infrastructure (SI)

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



Integrated Green Campus Masterplan

SINTASET: Sustainable Infrastructure Data Management

Integrated campus masterplan and SINTASET digital asset system as supporting evidence for sustainable infrastructure governance

Description:

Universitas Muhammadiyah Semarang (UNIMUS) continues to strengthen the role of campus setting and infrastructure as a practical instrument for supporting the Sustainable Development Goals (SDGs). In 2026, the evidence is presented in a more impact-oriented manner by linking infrastructure planning, green open space management, conservation areas, inclusive access, health and safety facilities, digital asset governance, and community-oriented campus services to measurable SDG contributions.

The campus is not only described as a collection of buildings and open spaces, but as an integrated environment that supports learning, wellbeing, resource efficiency, climate awareness, biodiversity protection, and social inclusion.

Key Setting and Infrastructure Indicators Used as SDG Evidence

Indicator	Information	Sustainability Relevance	Related SDGs
Total main campus area	212,834.00 m ²	Provides the spatial baseline for sustainable campus planning and infrastructure management.	SDG 9, 11



Open space area	191,656.08 m ² / 90.05%	Supports air quality, climate comfort, stormwater absorption, and healthier campus activities.	SDG 3, 11, 13, 15
Planted vegetation area	160,051.91 m ² / 75.20%	Strengthens shading, thermal comfort, carbon absorption, biodiversity, and outdoor learning spaces.	SDG 4, 11, 13, 15
Forest vegetation and conservation-related areas	58,210.86 m ² / ±27.35% of total campus area	Used to support environmental education, research, conservation awareness, community engagement, and biodiversity maintenance.	SDG 4, 13, 15, 17
Accessible and inclusive facilities	Disabled parking, accessible toilets, ramps/handrails, drop-off points, guiding blocks, wheelchair assistance, lactation room, and UMC support	Improves equitable access, safety, gender-responsive services, and welfare for students, staff, and visitors.	SDG 3, 4, 5, 10, 11
Health, safety, and emergency facilities	UMC, UNIMUS Hospital, first aid boxes, ambulance, doctor on duty, fire safety equipment, CCTV, security posts, and evacuation facilities	Supports wellbeing, emergency readiness, and safe campus operations.	SDG 3, 9, 11, 16
Digital infrastructure asset governance	SINTASET asset information system	Improves the monitoring of land, buildings/rooms, inventory, transportation, grants, and room usage for accountable infrastructure governance.	SDG 9, 12, 16

Main Programs and Their Impact on SDGs

1. Sustainable campus masterplan and compact infrastructure planning

UNIMUS applies an integrated campus planning approach that combines academic buildings, green open spaces, health facilities, worship areas, student facilities, and service areas within one main campus setting. This planning supports efficient land use, inclusive circulation, and better coordination of campus resources.

Impact: Contributes to resilient campus infrastructure, sustainable urban development, and accountable institutional planning. Related SDGs: SDG 9, 11, 16, 17.

2. Green open space expansion and planted vegetation management

The campus maintains large open spaces and planted vegetation that function as outdoor learning areas, thermal comfort buffers, oxygen-producing landscapes, and campus biodiversity zones. These areas include



gardens, gazebo areas, healing garden elements, tree-lined pedestrian routes, and planted zones surrounding buildings.

Impact: Improves air quality, reduces heat stress, supports outdoor learning, and strengthens climate adaptation within an urban campus context. Related SDGs: SDG 3, 4, 11, 13, 15.

3. Forest vegetation, Hutan Wakaf, and conservation-based learning spaces

The forest campus area, Hutan Wakaf, urban farming, and conservation spaces are used as environmental learning media and community engagement areas. These areas support planting activities, biodiversity awareness, ecological observation, and green campus education.

Impact: Strengthens long-term conservation culture, biodiversity protection, and environmental literacy among students and the surrounding community. Related SDGs: SDG 4, 13, 15, 17.

4. Rainwater, retention basin, and ecological water management

The retention basin and water-related landscape elements support rainwater retention, runoff control, groundwater conservation, and microhabitat development. These facilities also provide learning opportunities related to water-sensitive campus planning.

Impact: Reduces flood risk, supports water conservation, and promotes ecological landscape management. Related SDGs: SDG 6, 11, 13, 14, 15.

5. Inclusive access and universal design facilities

Accessible toilets, ramps, handrails, guiding blocks, drop-off points, disabled parking, wheelchair assistance, and maternity-support facilities are provided to improve access for users with disabilities, pregnant women, elderly visitors, and users with temporary mobility limitations.

Impact: Promotes equal access to education and campus services, reduces physical barriers, and strengthens gender-responsive and inclusive campus governance. Related SDGs: SDG 3, 4, 5, 10, 11.

6. Health, wellbeing, safety, and emergency readiness

UNIMUS provides health-service support through the Unimus Medical Center and UNIMUS Hospital, supported by ambulance access, first-aid boxes, emergency services, safety equipment, hydrants, alarms, CCTV, security posts, and evacuation facilities.

Impact: Improves campus wellbeing, emergency response, and safety readiness for students, lecturers, staff, visitors, and surrounding communities. Related SDGs: SDG 3, 9, 11, 16.

7. Low-emission mobility and pedestrian-oriented campus circulation

The campus supports pedestrian movement through connected routes, accessible pathways, shuttle route integration, drop-off organization, and circulation arrangements that encourage safer and more efficient movement within the campus.

Impact: Reduces dependency on short-distance motorized movement, improves walkability, and supports healthier daily mobility. Related SDGs: SDG 3, 11, 13.

8. Digital asset management and evidence-based infrastructure governance

SINTASET is used to record and manage campus assets such as land, building/room data, inventory, transportation assets, grant assets, and room utilization. This digital approach improves data availability for planning, maintenance, accountability, and sustainability reporting.

Impact: Supports transparent asset governance, efficient resource management, and evidence-based decision-making in campus operations. Related SDGs: SDG 9, 12, 16, 17.

SDG Contribution Matrix

SDG	Infrastructure-Based Support	Main UNIMUS Program	Expected Impact
SDG 1 No Poverty	Equitable access to campus learning spaces and community-oriented facilities.	Training facilities, inclusive public campus spaces, community engagement areas, and	Supports capacity building and access to educational opportunities.



SDG	Infrastructure-Based Support	Main UNIMUS Program	Expected Impact
		community service activities.	
SDG 2 Zero Hunger	Sustainable agriculture and food-resource learning.	UNIMUS Farm, urban farming, greenhouse, fish pond, and food/agriculture-related conservation areas.	Supports food-system literacy, applied learning, and sustainable agriculture practice.
SDG 3 Good Health and Wellbeing	Health services, safe circulation, green spaces, and emergency readiness.	UMC, UNIMUS Hospital, healing garden, first aid boxes, ambulance, safety facilities, and accessible campus routes.	Improves wellbeing, health access, safety, and stress-reduction environment.
SDG 4 Quality Education	Infrastructure as a living laboratory for sustainability education.	Green campus areas, conservation area, laboratories, outdoor learning space, SINTASET data, and inclusive learning facilities.	Strengthens practice-based learning and sustainability literacy.
SDG 5 Gender Equality	Gender-responsive and family-friendly facilities.	Lactation room, maternity-care support through UMC/Hospital, safe and accessible facilities.	Supports women, mothers, and family-friendly campus participation.
SDG 6 Clean Water and Sanitation	Water management and sanitation accessibility.	Retention basin, infiltration/rainwater management support, accessible toilets, and eco-sanitation facilities.	Improves water conservation, sanitation access, and flood-risk reduction.
SDG 7 Affordable and Clean Energy	Energy efficiency in building operation and renewable-energy orientation.	Green building principles, natural lighting/ventilation, and solar panel utilization as reported in previous evidence.	Supports reduced energy demand and cleaner campus operation.
SDG 8 Decent Work and Economic Growth	Campus facilities that support skills development, entrepreneurship, and employability.	BLKK, laboratories, practice spaces, collaborative facilities, and community training support.	Improves practical competence and sustainable economic readiness.
SDG 9 Industry, Innovation, and Infrastructure	Resilient, inclusive, and digitally managed infrastructure.	Integrated masterplan, digital asset management through SINTASET, laboratories, campus building facilities.	Improves infrastructure accountability, innovation, and operational efficiency.
SDG 10 Reduced Inequalities	Universal access and inclusive campus design.	Disabled parking, accessible toilets, ramps/handrails, guiding	Reduces physical barriers and supports equal access for all users.



SDG	Infrastructure-Based Support	Main UNIMUS Program	Expected Impact
		blocks, drop-off points, wheelchair assistance.	
SDG 11 Sustainable Cities and Communities	Urban green campus planning and low-emission circulation.	Open space, planted vegetation, pedestrian routes, compact campus layout, health and safety facilities.	Supports a safer, greener, and more resilient urban campus environment.
SDG 12 Responsible Consumption and Production	Efficient asset and resource management.	SINTASET, waste separation support, infrastructure inventory, and sustainable campus operations.	Supports transparent use of assets and more responsible campus operations.
SDG 13 Climate Action	Climate-responsive campus setting.	Green open space, planted vegetation, forest vegetation, Hutan Wakaf, tree planting, and low-emission mobility support.	Supports carbon absorption, heat reduction, and climate awareness.
SDG 14 Life Below Water	Aquatic ecosystem awareness and water-body conservation.	Retention basin, fish pond, environmental education, water-sensitive campus landscape.	Supports water ecosystem literacy and responsible water management.
SDG 15 Life on Land	Terrestrial biodiversity and conservation spaces.	Forest campus, Hutan Wakaf, UNIMUS Farm, greenhouse, mini zoo, aviary, flower garden, and planted vegetation.	Supports biodiversity maintenance, habitat learning, and conservation culture.
SDG 16 Peace, Justice, and Strong Institutions	Safe, accountable, and well-governed campus environment.	Security posts, CCTV, safety facilities, emergency procedures, SINTASET data governance.	Supports safety, transparency, institutional accountability, and risk management.
SDG 17 Partnerships for the Goals	Collaboration and external engagement for sustainable campus development.	Partnerships with government, health-service units, community engagement programs, and GreenMetric reporting.	Strengthens cooperation, shared learning, and sustainability reporting culture.

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

UNIMUS Official Website: <https://unimus.ac.id/>

UNIMUS SDG'S Report: <https://sustainability.unimus.ac.id/>