



**UMY** UNIVERSITAS  
MUHAMMADIYAH  
YOGYAKARTA  
Unggul & Islami



# Universitas Muhammadiyah Yogyakarta Sustainability Report 2020

Oktober 2020



## Evidence(s) UI GreenMetric Questionnaire

University : Universitas Muhammadiyah Yogyakarta  
Country : Indonesia  
Web Address : [www.umy.ac.id](http://www.umy.ac.id)

### [1] Setting and Infrastructure (SI)

#### [1.3] Number of Campus Sites





Figure 1. Universitas Muhammadiyah Yogyakarta located in Brawijaya Street, Kasihan District, Bantul Regency, Special Region of Yogyakarta

**Description:**

Universitas Muhammadiyah Yogyakarta is a centralized university with a total area of 217,905.4-meter squares located in Brawijaya Street, Kasihan District, Bantul Regency, Special Region of Yogyakarta, Indonesia. Officially established in March of 1981, Universitas Muhammadiyah Yogyakarta comprises 10 faculties and offers various undergraduate, master, and doctorate programs. To support the academic and non-academic activities, Universitas Muhammadiyah Yogyakarta provides many facilities such as an administration building, mosque, auditorium, sports and entertainment facilities, university residence, food court, etc.



## Evidence(s) UI GreenMetric Questionnaire

University : Universitas Muhammadiyah Yogyakarta  
Country : Indonesia  
Web Address : [www.umy.ac.id](http://www.umy.ac.id)

### [1] Setting and Infrastructure (SI)

#### [1.3] Campus Setting



Figure 1. Sky View of Universitas Muhammadiyah Yogyakarta



Figure 2. Setting of Universitas Muhammadiyah Yogyakarta

**Description:**

Universitas Muhammadiyah Yogyakarta is located in Bantul Regency, Special Region of Yogyakarta Province, approximately 6 Km from the city center. Universitas Muhammadiyah Yogyakarta falls in a sub-urban region. Specifically, the campus is located among the Yogyakarta city, nature forest and the farming communities, as depicted in Figure 2. Hence, the campus can be accessed easily from the city, and at the same time, it offers a comfortable teaching and learning environment since the surrounding region of the campus is dominated by agricultural/ farming area with low population/building density.



## Evidence(s) UI GreenMetric Questionnaire

University : Universitas Muhammadiyah Yogyakarta  
Country : Indonesia  
Web Address : www.umy.ac.id

### [1] Setting and Infrastructure (SI)

#### [1.5] Total Campus Area (meter<sup>2</sup>)

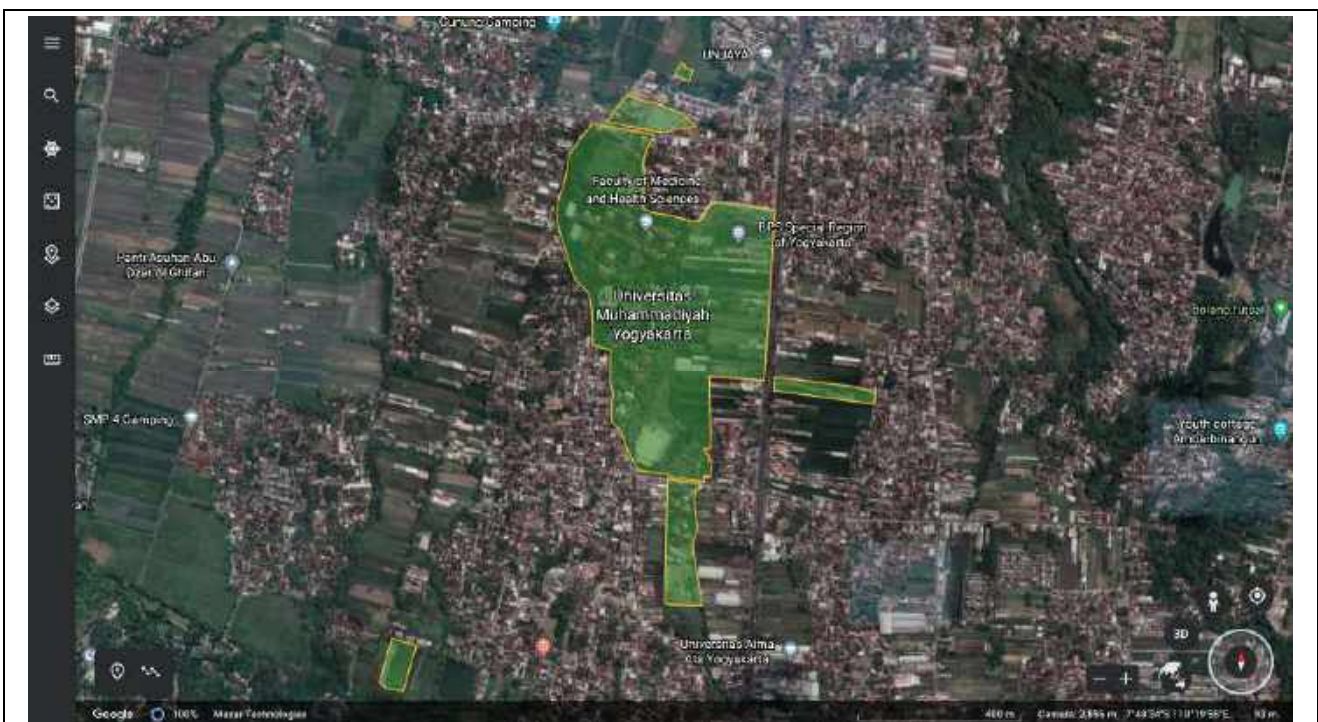


Figure 1. The Area of Universitas Muhammadiyah Yogyakarta  
(Indicated in green color)

#### Description:

Total area : 330,384.38 m<sup>2</sup>  
Total distance/circumference : 5,008.93 m

## Evidence(s) UI GreenMetric Questionnaire

University : Universitas Muhammadiyah Yogyakarta  
Country : Indonesia  
Web Address : [www.umy.ac.id](http://www.umy.ac.id)

### [1] Setting and Infrastructure (SI)

#### [1.7] Total Campus Building Area (meter<sup>2</sup>)



Figure 1. Receptorate Buliding  
Area: 9,028 (m<sup>2</sup>)



Figure 2. Admission Building  
Area: 2,100 (m<sup>2</sup>)



Figure 3. Postgraduate Buliding  
Area: 7,471.9 (m<sup>2</sup>)



Figure 4. Ki Bagus Hadikusumo (E1-E5) Buildings  
Area: 9,973 (m<sup>2</sup>)





Figure 6. K.H. Ibrahim (E6-E7) Buildings  
Area: 6,576 (m<sup>2</sup>)



Figure 7 Siti Walidah (F1-F7) Buildings  
Area: 12,040 (m<sup>2</sup>)



Figure 8. K.H. Sudja (G1-G7) Buildings  
Area: 12,442 (m<sup>2</sup>)



Figure 9. Mosque Building  
Area: 6,448 (m<sup>2</sup>)



Figure 10. Library Building  
Area: 952.1 (m<sup>2</sup>)



Figure 11. Sportorium, An Auditorium Building  
Area: 5,165 (m<sup>2</sup>)



**Description:**

Bulding Name	Area (m <sup>2</sup> )
Rectorate building	9,028
Admission Building	2,100
Postgraduate Building	7,471.9
Ki Bagus Hadikusumo (E1-E5) Buildings	9,973
K.H. Ibrahim (E6-E7) Buildings	6,576
Siti Walidah (F1-F7) Buildings	12,040
K.H. Sudja (G1-G7) Buildings	12,442
Mosque Building	6,488
Library Building	952.1
Sportorium Building	5,165
<b>Total Area</b>	<b>72,236</b>

Universitas Muhammadiyah Yogyakarta consists of several buildings used to support teaching and learning activities. Based on the data listed in the table, the total campus building area is 72,236 m<sup>2</sup>.

## Evidence(s)

### UI GreenMetric Questionnaire

University : Universitas Muhammadiyah Yogyakarta  
Country : Indonesia  
Web Address : www.umy.ac.id

#### [1] Setting and Infrastructure (SI)

##### [1.8] The Ratio of Open Space to Total Area (meter<sup>2</sup>)

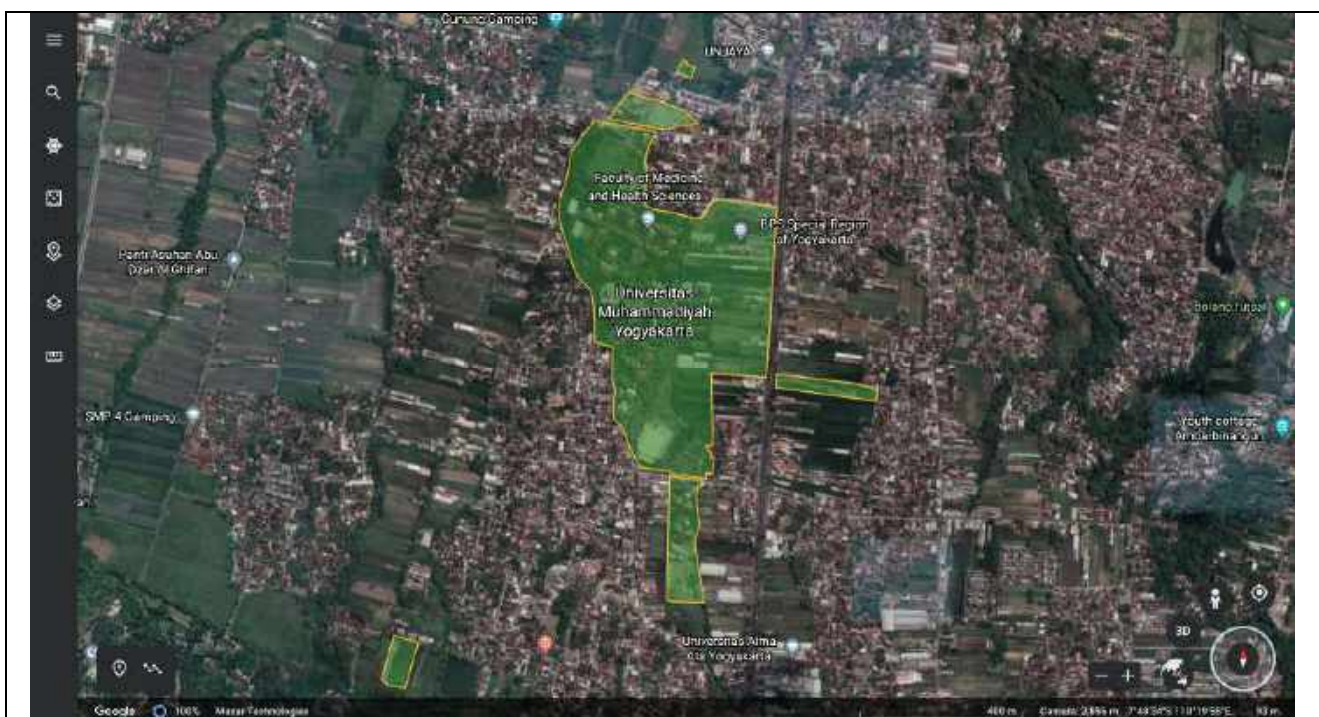


Figure 1. The Area of Universitas Muhammadiyah Yogyakarta

#### Description:

Total main campus area : 330,384.38 m<sup>2</sup>  
Total campus ground floor area of buildings Area : 26,442 m<sup>2</sup>  
Percentage : 91.99%

The ratio of open space to total area =  $\frac{\text{Total main campus area} - \text{Total campus ground floor area of buildings}}{\text{Total main campus area}}$

The ratio of open space to total area =  $\frac{330,384.38 - 26,442}{330,384.38} = 91.99\%$



## Evidence(s) UI GreenMetric Questionnaire

University : Universitas Muhammadiyah Yogyakarta  
Country : Indonesia  
Web Address : [www.umy.ac.id](http://www.umy.ac.id)

### [1] Setting and Infrastructure (SI)

#### [1.9] Total Area on Campus Covered in Forest Vegetation (meter<sup>2</sup>)



Figure 1. Total Forest Vegetation Area  
(Indicated in green color)





Figure 2. An Overview of The Forest Vegetation  
(Universitas Muhammadiyah Yogyakarta, Indonesia)

Total area forest vegetation	: 66,253.25 m <sup>2</sup>
Total distance/circumference forest vegetation	: 4,824.09 m
Total area	: 330,384.38 m <sup>2</sup>
Percentage	: 20%

**Description:**

In Figure 1. Total Forest Vegetation Area, it is observed that every part of Universitas Muhammadiyah Yogyakarta campus is planted with large-size trees growing. Therefore, the area of forest vegetation can be measured by subtracting the total area with the building ground floor, vehicle road, pedestrian path, field, parking area, and ponds. Using the online map area calculator, we found the number of 66,253.25 m<sup>2</sup> as the forest vegetation in Universitas Muhammadiyah Yogyakarta.



## Evidence(s) UI GreenMetric Questionnaire

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Web Address : [www.umy.ac.id](http://www.umy.ac.id)

### [1] Setting and Infrastructure (SI)

#### [1.10] Total Area on Campus Covered in Planted Vegetation (meter<sup>2</sup>)



Figure 1. Area of Universitas Muhammadiyah Yogyakarta covered in planted vegetation (highlighted in green)



Figure 2. Examples of planted vegetation area in Universitas Muhammadiyah Yogyakarta

Total planted vegetation area	: 98,567.31 m <sup>2</sup>
Total area	: 330,384.38 m <sup>2</sup>
Percentage	: 30%

**Description:**

Figure 1. shows the area of Universitas Muhammadiyah Yogyakarta covered in planted vegetation (excluding forest) that includes lawns and gardens. The total area on campus covered in planted vegetation is 98,567.31 m<sup>2</sup>, which is 30% of total area.



## Evidence(s) UI GreenMetric Questionnaire

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

#### [1.11] Total Area on Campus for Water Absorption Besided Forest and Planted vegetation (meter<sup>2</sup>)



Figure 1. Area of The Universitas Muhammadiyah Yogyakarta Intended for Water Absorption (highlighted in green)





Figure 2. Examples of Water absorption Area in Universitas Muhammadiyah Yogyakarta

Total water absorption area	: 91,097.38 m <sup>2</sup>
Total area	: 330,384.38 m <sup>2</sup>
Percentage	: 28%

**Description:**

Figure 1. shows the area of Universitas Muhammadiyah Yogyakarta intended for water absorption (excluding forest and planted vegetation). The total area on campus intended for water absorption is 91,097.38 m<sup>2</sup>, which is 28% of total area.



## Evidence(s)

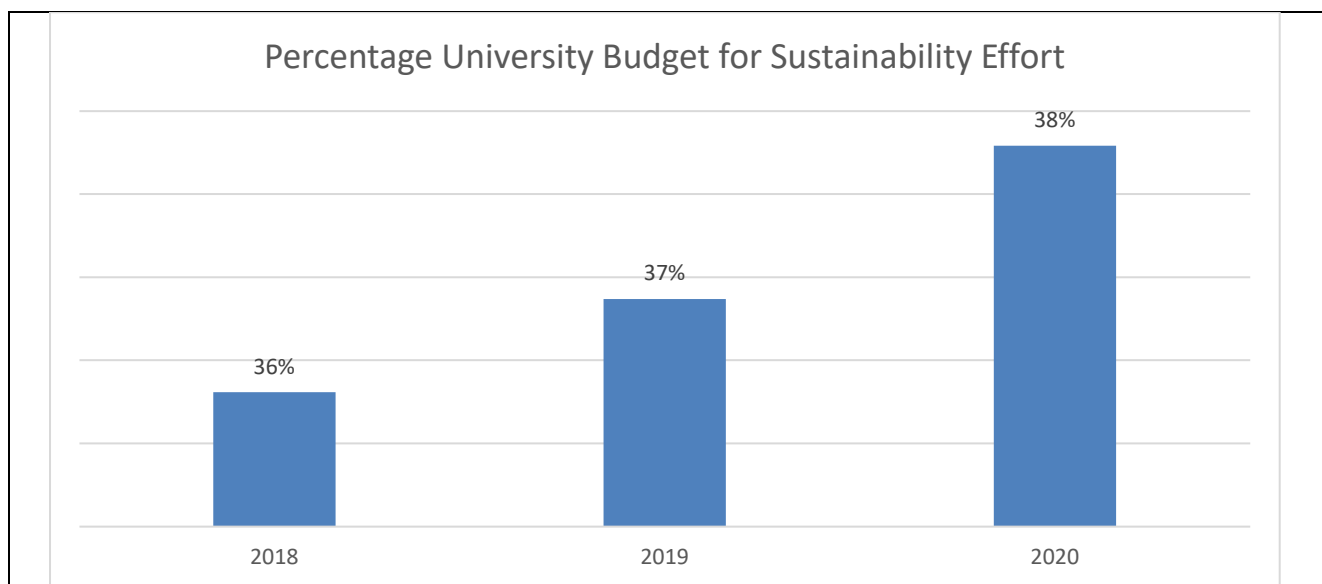
### UI GreenMetric Questionnaire

University : Universitas Muhammadiyah Yogyakarta  
Country : Indonesia  
Web Address : www.umy.ac.id

#### [1] Setting and Infrastructure (SI)

##### [1.18] University Budget for Sustainability Effort (in US Dollars)

1.18	2018	2019	2020	Average
University Budget	20,668,520	22,291,122	19,990,750	20,983,464
University Budget for Sustainability	7,504,225	8,218,405	7,554,666	7,759,099
<b>Percentage</b>	36%	37%	38%	<b>37%</b>



#### Description:

The average budget for sustainability efforts is USD 7,759,009 which varies for education, research, community service, and student activities.

## Evidence(s) UI GreenMetric Questionnaire

University : Universitas Muhammadiyah Yogyakarta  
Country : Indonesia  
Web Address : [www.umy.ac.id](http://www.umy.ac.id)

### [1] Setting and Infrastructure (SI)

#### [1.20] Percentage of Operation and Maintenance Activities During Covid-19 Pandemic



Figure 1. Air Conditioning Maintenance



Figure 2. Lighting Maintenance





Figure 3. Toilet maintenance



Figure 4. Handwashing maintenance



Figure 5. Operation of Paving Blocks Area



Figure 6. Operation of Ceiling

Total campus buildings area	: 72,236 m <sup>2</sup>
Total operated and maintenance building	: 72,236 m <sup>2</sup>
Percentage building that operated and maintained	: 100%

**Description:**

During pandemic, lectures, research and community service at Universitas Muhammadiyah Yogyakarta were still held online, all activities were carried out, including operation and maintenance of facilities. Universitas Muhammadiyah Yogyakarta periodically operates and maintains buildings and all existing facilities. Operation and maintenance are to maintain the comfort, safety, beauty and efficiency of water and energy. During pandemic, Universitas Muhammadiyah Yogyakarta also operates and maintains facilities, especially the addition of handwash and sanitation facilities.



## Evidence(s) UI GreenMetric Questionnaire

University : Universitas Muhammadiyah Yogyakarta  
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Web Address : [www.umy.ac.id](http://www.umy.ac.id)

### [1] Setting and Infrastructure (SI)

#### [1.2.1] Campus Facilities for Disable, Special Needs and or Maternity Care



Figure 1. Wheel Chair Access at Postgraduate Building



Figure 2. Wheel Chair Access at Admission Building



Figure 3. Wheel Chair Access at Sportorium Building



Figure 4. Wheel Chair Access at Rectorate Building



Figure 4. Wheel Chair Access at UMY Café

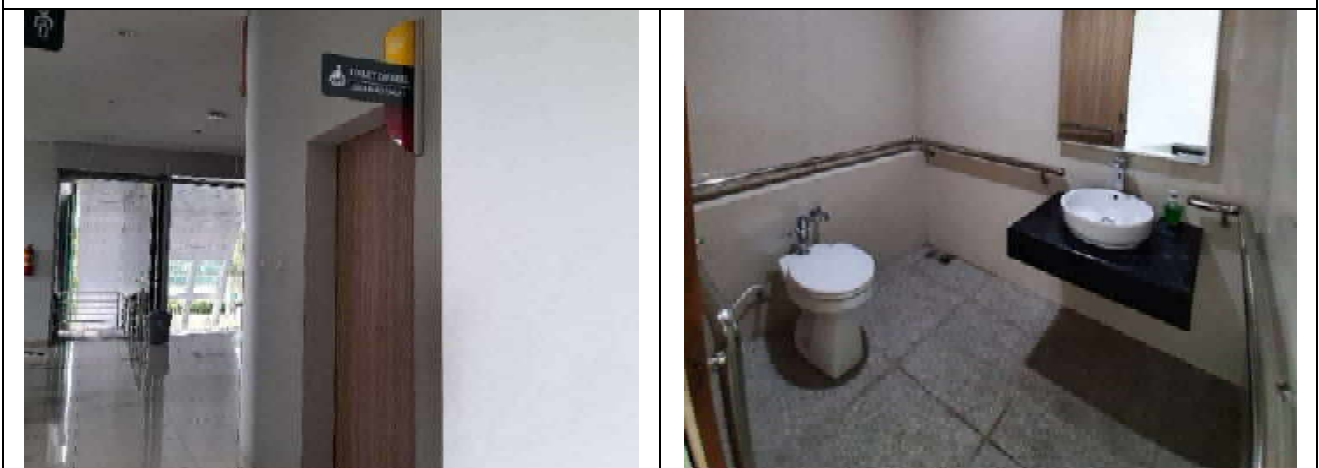


Figure 4. Accessible toilet (Universitas Muhammadiyah Yogyakarta, Indonesia)



Figure 5. Disabled Parking Postgraduate Building



Figure 6. Disabled Parking AMC Hospital Building



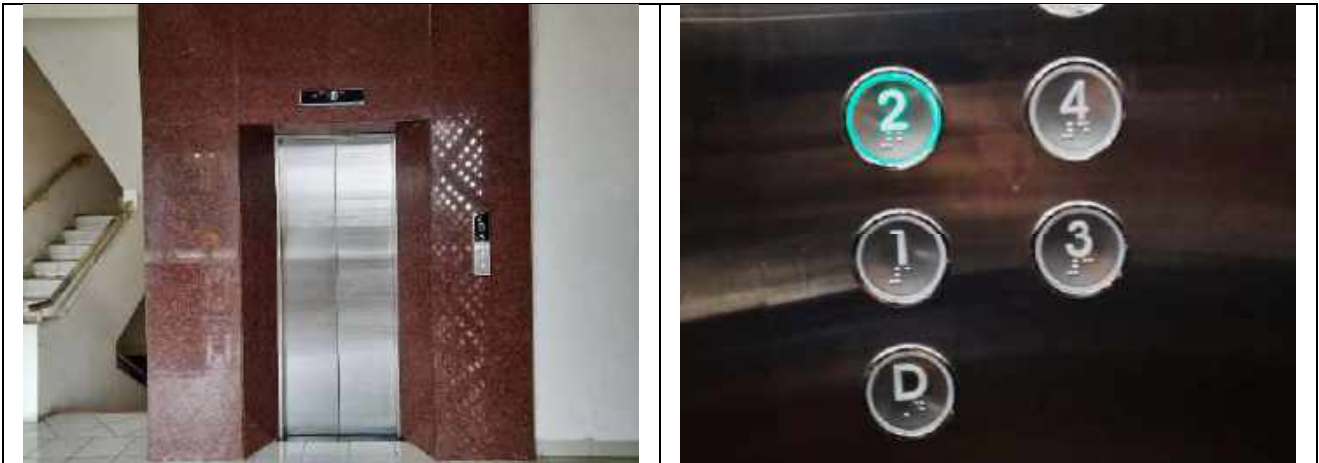


Figure 7. Elevators elevators with braille buttons

**Description:**

Universitas Muhammadiyah Yogyakarta provides equal access to all, including people with disabilities. There are various supporting facilities to support people with disabilities such as, wheelchair ramp, toilets, disabled parking and elevators.

All elevators at Universitas Muhammadiyah Yogyakarta equipped with braille buttons. The number of elevators is 12 units in 8 buildings (5 floors building).

## Evidence(s) UI GreenMetric Questionnaire

University : Universitas Muhammadiyah Yogyakarta  
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Web Address : [www.umy.ac.id](http://www.umy.ac.id)

### [1] Setting and Infrastructure (SI)

#### [1.22] Security and safety facilities

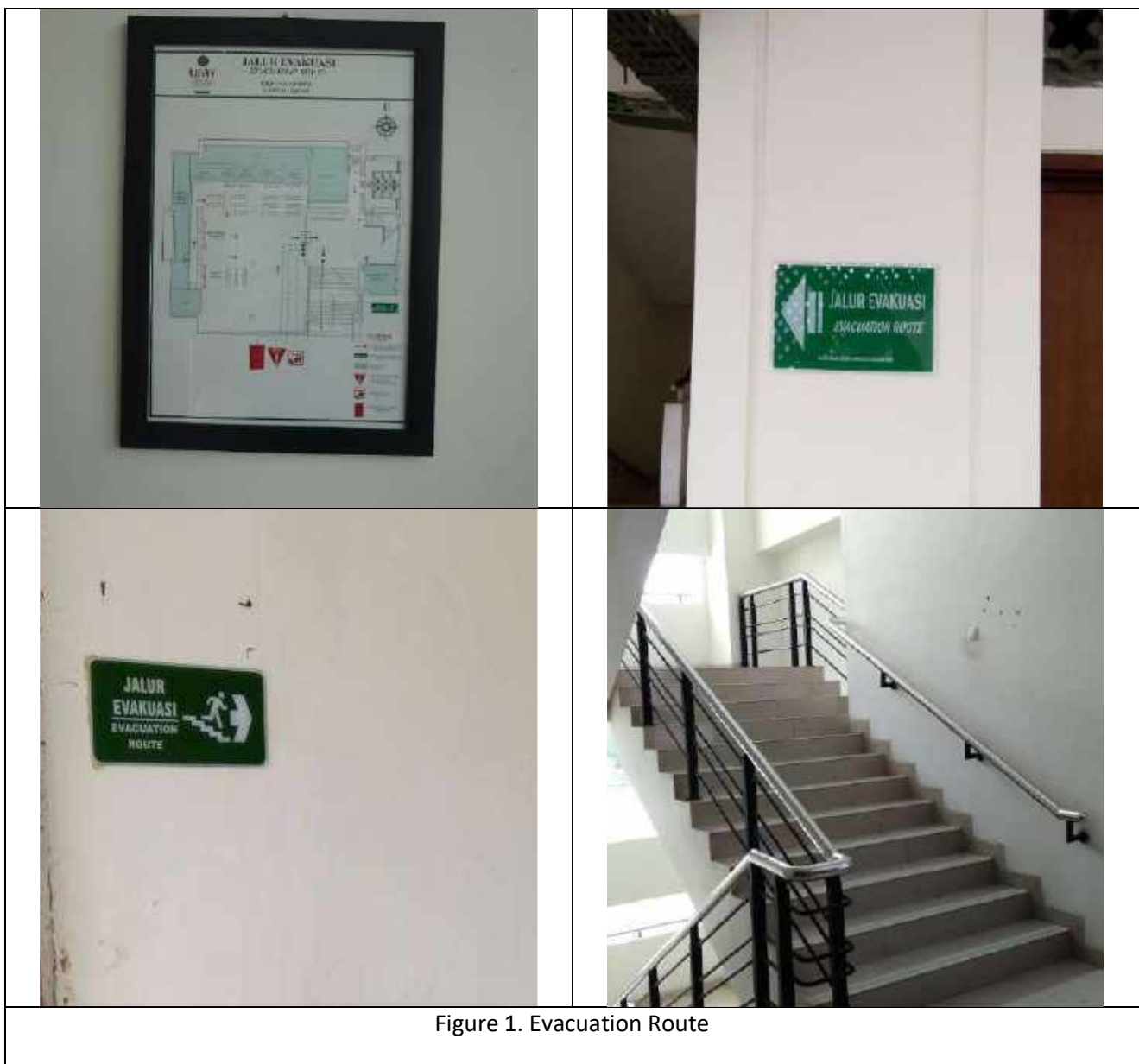


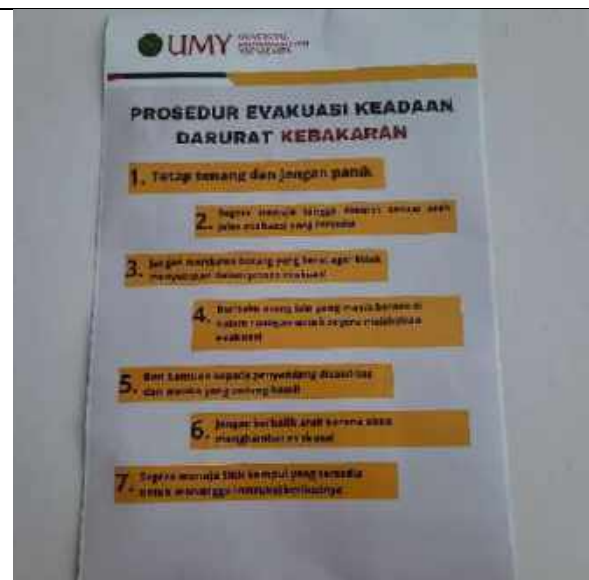




Figure 2. Emergency Exit



Figure 3. Earthquake Procedure



4. Fire Procedure



Figure 5. Hydrant



Figure 6. Fire Extinguisher



Figure 7. Fire/Emergency Alarm



Figure 8. First Aid Box





Figure 9. Assembly Point



Figure 10. Arrestor/Lightning rod



Figure 11. Security Post



Figure 12. CCTV



**Description:**

Universitas Muhammadiyah Yogyakarta has security and safety facilities including:

1. Evacuation Routes on each floor of the building
2. Emergency Exits on each floor of the building
3. Disaster Procedures (Earthquake Procedur & Fire Procedure) on each floor of the building
4. Hydrant sand Fire Extinguishers on each floor of the building. Distance to access  $\pm$  20 meters
5. First Aid Boxs on each floor of the building. Distance to access  $\pm$  20 meters
6. Assembly Points in all open areas
7. Arrestors/Lightning rods on each building
8. Security posts are spread over 3 areas, that is main gate, south sector and north sector
9. CCTV on strategic location

With the availability of security infrastructure, the security response time for accidents, crimes, fires and natural disasters is less than 10 minutes

## Evidence(s) UI GreenMetric Questionnaire

University : Universitas Muhammadiyah Yogyakarta  
Country : Indonesia  
Web Address : [www.umy.ac.id](http://www.umy.ac.id)

### [1] Setting and Infrastructure (SI)

#### [1.23] Health Infrastructure Facilities for Students, Academics and Administrative Staffs' Wellbeing

<b>Asri Medical Center</b>		
Figure 1. Asri Medical Center Hospital		
<b>Polyclinic of Universitas Muhammadiyah Yogyakarta</b>		
Figure 2. Polyclinic of Universitas Muhammadiyah Yogyakarta		

**Firdaus Clinic**



Figure 3. Firdaus Clinic

**Educational Hospital of Universitas Muhammadiyah Yogyakarta**



Figure 4. PKU Gamping Hospital  
(Educational Hospital of Universitas Muhammadiyah Yogyakarta)

**Description:**

Universitas Muhammadiyah Yogyakarta provides health services with comprehensive service support for the entire academic community. This service is available everyday starting at 08.00 WIB - 20.00 WIB at the Asri Medical Center Hospital, Polyclinic of Universitas Muhammadiyah Yogyakarta, Firdaus Clinic or PKU Gamping Hospital.

**Additional evidence link(s):**

<https://lpka.umy.ac.id/layanan-konseling-dan-kesehatan/>

<https://www.umy.ac.id/umy-lengkapi-sarana-prasarana-protokol-kesehatan-dengan-genose>

<https://www.umy.ac.id/umy-beri-fasilitas-telemedicine-bagi-civitas>

<https://rsgm.umy.ac.id/>

<http://www.pkugamping.com/>



## Evidence(s) UI GreenMetric Questionnaire

University : Universitas Muhammadiyah Yogyakarta  
Country : Indonesia  
Web Address : [www.umy.ac.id](http://www.umy.ac.id)

### [1] Setting and Infrastructure (SI)

[1.24] Conservation: plant, animal, and wildlife, genetic resources for food and agriculture secured in either



Figure 1. Greenhouse  
(Universitas Muhammadiyah Yogyakarta, Indonesia)



Figure 2. Fish Pond  
(Universitas Muhammadiyah Yogyakarta, Indonesia)





Figure 3. Rice fields  
(Universitas Muhammadiyah Yogyakarta, Indonesia)



Figure 4. Endangered Chicken Conservation  
(Universitas Muhammadiyah Yogyakarta, Indonesia)

**Description:**

Universitas Muhammadiyah Yogyakarta has a greenhouse, rice field, and fishpond as an effort to conserve plants and animals. Greenhouse (Figure 1) are used to avoid pests and treat plants against various types of weather. Greenhouse make it possible to grow certain types of plants all year round. Various types of fruits, tobacco plants, vegetables, and flowers are the plants most often grown by greenhouses. Furthermore, Universitas Muhammadiyah Yogyakarta has two fish ponds (Figure 2) which are used as water reservoirs and



fish farms. Various fish are bred such as tilapia, catfish and goldfish. In addition, Universitas Muhammadiyah Yogyakarta has rice fields (Figure 3) for planting, experimenting and conserving plants especially rice. In addition, Universitas Muhammadiyah Yogyakarta also has conservation for endangered chicken (Figure 4).

**Additional evidence link(s):**

<https://agroteknologi.umy.ac.id/laboratorium-produksi-greenhouse/>

<https://youtu.be/mkVPASMI8DY>



## Evidence(s) UI GreenMetric Questionnaire

University : Universitas Muhammadiyah Yogyakarta  
Country : Indonesia  
Web Address : www.umy.ac.id

### [2] Energy and Climate Change (EC)

#### [2.1] Energy Efficient Appliances Usage

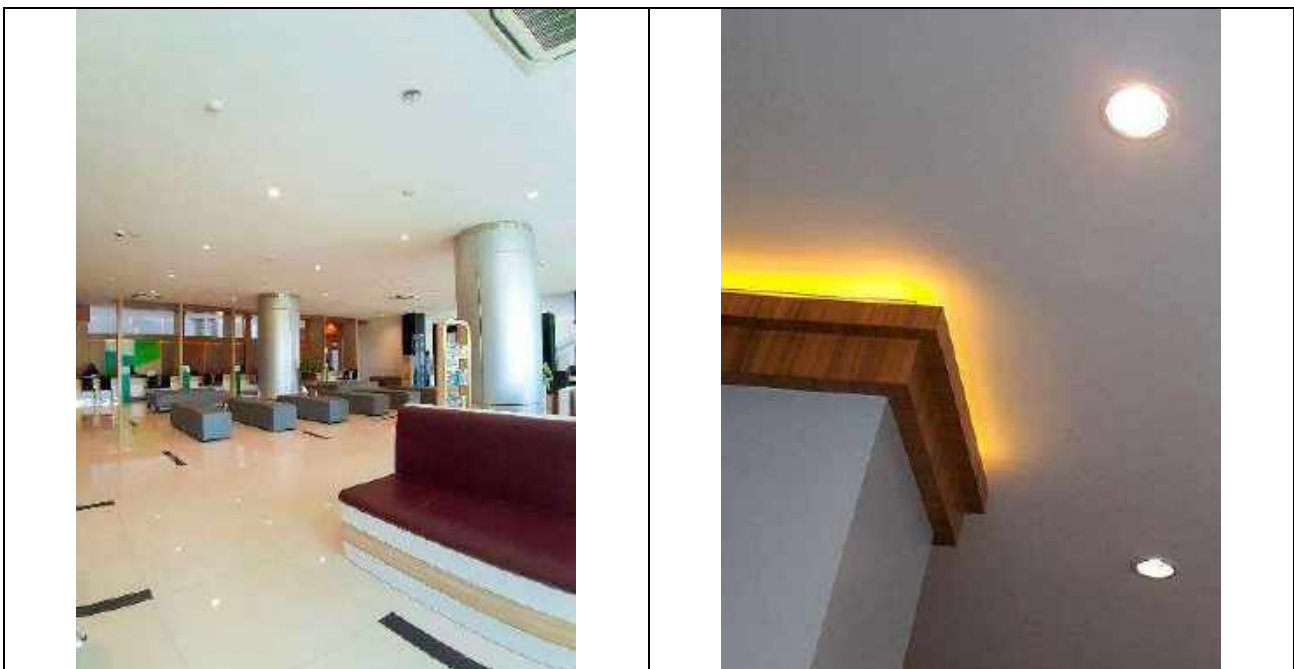


Figure 1. LED lighting in almost all UMY buildings



Figure 2. The deployment of efficient energy appliances behaviours by attaching efficient energy saving signs and stickers in several places such as toilets and classrooms



Figure 4. Air conditioning with VRV technology



Figure 5. Air conditioning with the energy-efficient label



Figure 6. Staffs use energy-efficient notebooks instead of desktops for their daily activity to realize further energy savings. Additionally, UMY does not equip classrooms with desktops such that lecturers are asked to use energy-efficient notebooks while teaching



Figure 7. Classrooms use more LED displays than projectors for energy savings

**Description:**

Universitas Muhammadiyah Yogyakarta aims to realize further energy savings by paying close attention to energy management. All parts of the organization can involve themselves in the energy-saving program, which includes the deployment of sustainable technology as follows:

Appliance	Total Number	Total number of energy-efficient appliances	Percentage
Lighting	10,742	10,450 (consist of LED lightbulb)	97%
Fan	2,850	1,425 (consist of low wattage fan)	50%
Air conditioning system	1,416	1,325 (consist of energy efficient label and/or inverter)	94%
Computer	871	645 (consist of notebook)	74%
Display	472	362 (consist of LED display)	78%
		<b>Average Percentage</b>	<b>78.66%</b>





9	Universitas Muhammadiyah Yogyakarta; Cafe	Yogyakarta, Indonesia																			
Total																					66,118.9

Please compile one row for each building (or homogeneous part of it) by ticking with a "X" for each requirement

**Description:**

$$\text{Smart building implementation} = \frac{66,118.9}{72,236} \times 100\% = 91.53\%$$









## Evidence(s) UI GreenMetric Questionnaire

University : Universitas Muhammadiyah Yogyakarta  
Country : Indonesia  
Web Address : [www.umy.ac.id](http://www.umy.ac.id)

### [2] Energy and Climate Change (EC)

#### [2.5] Renewable Energy Produce Inside Campus



Figure 1. 1 KW PV Monocrystalline Solar Cell in Universitas Muhammadiyah Yogyakarta



Figure 2. A Store-house for The Solar Cell Installation





Figure 3. Solar Power for Street Lighting



Figure 4. Foundation Stone of Efficient Energy Building in Universitas Muhammadiyah Yogyakarta



Figure 5. Bioenergy Foundation Stone as Part of The Renewable Energy Project in Universitas Muhammadiyah Yogyakarta



Figure 6. Bioenergy Facility Used to Turn Organic Waste Into Fuel in Universitas Muhammadiyah Yogyakarta





Figure 7. Biomass Gasifier in Universitas Muhammadiyah Yoyakarta



Figure 8. Bioethanol: A Product of Bioenergy



Figure 9. Example of Wind Turbines to Generate Wind Energy/Power in Universitas Muhammadiyah Yogyakarta

Types of Renewable Energy	Capacity (KWh)	Operation Hours	Operation days	Total Energy production per year (KWh)
Solar Power	6	12	365	26,280
Clean Biomass	30	3	104	9,360
Bio Diesel	20	6	312	37,440
Wind Energy	2	2	12	48
<b>Total</b>				<b>73,128</b>

**Description:**

**Figures 1 - 2:** A 1 KW Monocrystalline solar cell is installed in the two-storey house. The two-storey house, as shown in Figure 2, are parts of the university project to provide renewable energy sources on Universitas Muhammadiyah Yogyakarta. **Figure 3** shows the application of our solar power for street lighting.

**Figures 4-5:** The biodiesel production building in Universitas Muhammadiyah Yogyakarta. The total energy that can be generated from this facility is 20 KWh.

**Figures 6 - 8:** These figures show the digester building for bioenergy (turning organic waste into fuel) and the biomass gasifier in Universitas Muhammadiyah Yogyakarta. The total energy that can be generated from this facility is 30 KWh.

**Figure 9:** Examples of wind turbines to generate wind energy/power in Universitas Muhammadiyah Yogyakarta. The wind turbines can generate wind power/energy with a total capacity of 2 KWh.

**Additional evidence link(s):**

<https://www.umy.ac.id/universitas-muhammadiyah-yogyakarta-rancang-rumah-hemat-energi>

## Evidence(s)

### UI GreenMetric Questionnaire

University : Universitas Muhammadiyah Yogyakarta  
 Country : Indonesia  
 Web Address : www.umy.ac.id

#### [2] Energy and Climate Change (EC)

##### [2.6] Electricity Usage per year (in Kilowatt Hour)

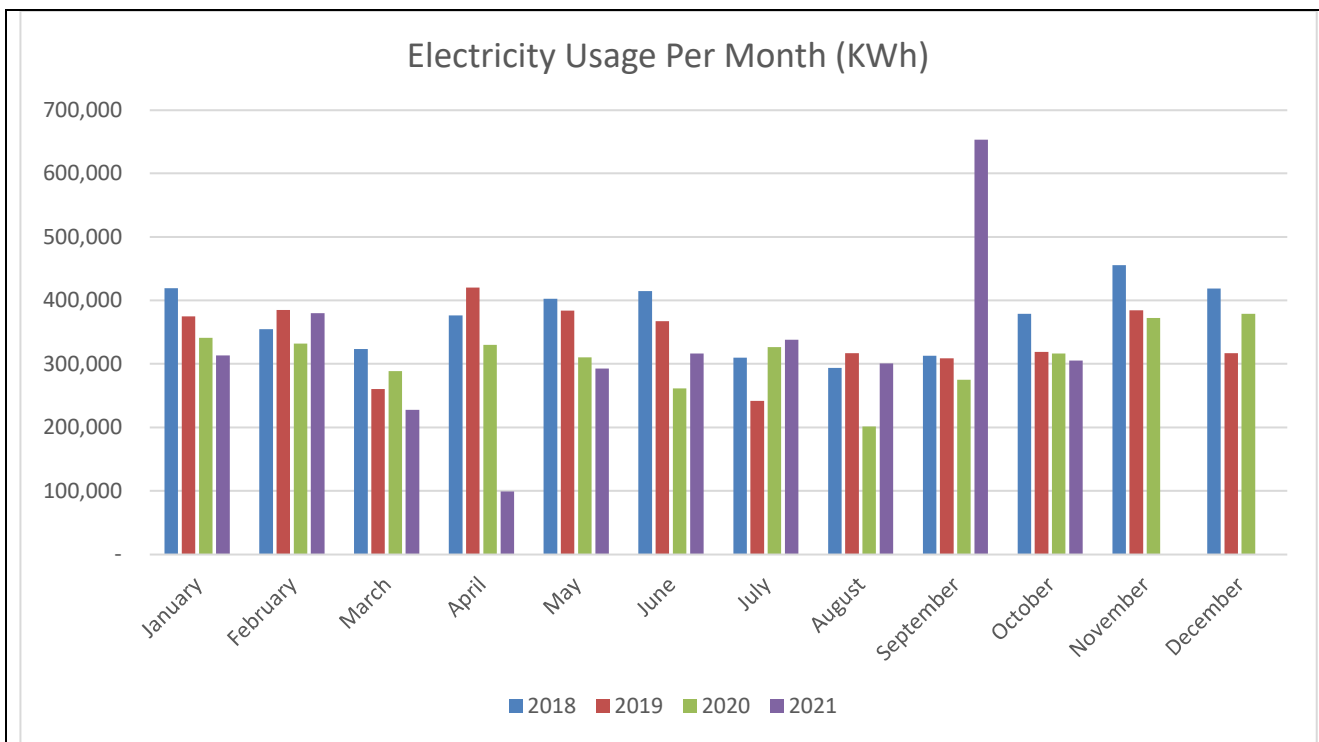
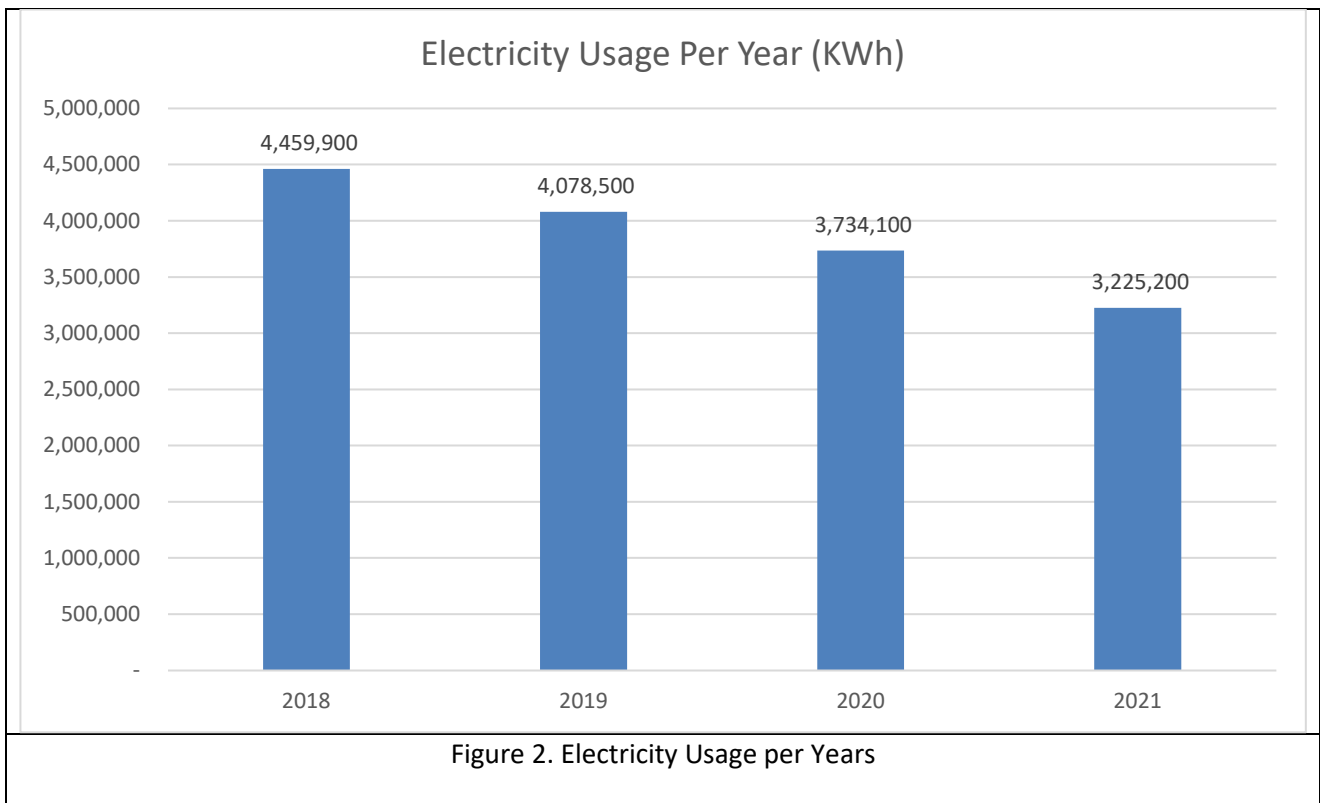


Figure 1. Electricity Usage per Months





**Description:**

In 2020, Electricity Usage in Universitas Muhammadiyah Yogyakarta is 3,734,100 (KWh), this number decreased compared to the previous year (2019: 4,078,500 KWh). Then in 2021, electricity usage also decreases to 3,225,200 KWh.

## Evidence(s)

### UI GreenMetric Questionnaire

University : Universitas Muhammadiyah Yogyakarta  
Country : Indonesia  
Web Address : www.umy.ac.id

#### [2] Energy and Climate Change (EC)

##### [2.8] The ratio of renewable energy production divided by total energy usage per year

Types of Renewable Energy	Capacity (KWh)	Operation Hours	Operation days	Total Energy production per year (KWh)
Solar Power	6	12	365	26,280
Clean Biomass	30	3	104	9,360
Bio Diesel	20	6	312	37,440
Wind Energy	2	2	12	48
<b>Total</b>				<b>73,128</b>

$2.7 = 73,128 / 3,225,200$  (Energy usage per year) = 0.023

#### Description:

Universitas Muhammadiyah Yogyakarta has four renewable energy sources namely solar power, bio diesel, clean biomass, and wind power. The total production of renewable energy per year is 73,128 KWh, which is 2.23% of the total energy usage per year.

## Evidence(s) UI GreenMetric Questionnaire

University : Universitas Muhammadiyah Yogyakarta  
Country : Indonesia  
Web Address : [www.umy.ac.id](http://www.umy.ac.id)

### [2] Energy and Climate Change (EC)

#### [2.9] Elements of Green Building Implementation as Reflected in All Construction and Renovation Policies



Figure 1. Natural Lighting Implementations in Universitas Muhammadiyah Yogyakarta  
(Admission And Postgraduate Buildings)





Figure 1. Natural Lighting Implementations in Universitas Muhammadiyah Yogyakarta (Admission And Postgraduate Buildings)



Figure 2. Natural Ventilation Implementations In Universitas Muhammadiyah Yogyakarta (Mosque And Postgraduate Buildings)



Figure 3. Low Emission Glass Window Implementation in Universitas Muhammadiyah Yogyakarta (Admission Building)



Figure 4. Examples of Vertical Gardens to improve the Air Quality in Universitas Muhammadiyah Yogyakarta





Figure 5. Water Conservation Programs as Parts of Green Building Implementations



Figure 6. Submetering in Universitas Muhammadiyah Yogyakarta Buildings  
(Admission Building)

**Description:**

Most of UMY buildings have been constructed/renovated to meet the standard of green building requirements, such as natural lighting (Figures 1), natural ventilations (Figure 2), low-emission glass windows (Figure 3), vertical garden as to improve the air quality (Figure 4), water conservation area (Figure 5), and submetering





programs (Figure 6).

**Additional evidence link(s):**

<https://www.umy.ac.id/my-resmikan-pembangunan-gedung-baru-admisi>

<https://www.umy.ac.id/umy-kembali-terima-indonesia-green-award>

## Evidence(s) UI GreenMetric Questionnaire

University : Universitas Muhammadiyah Yogyakarta  
Country : Indonesia  
Web Address : [www.umy.ac.id](http://www.umy.ac.id)

### [2] Energy and Climate Change (EC)

#### [2.10] Greenhouse gas emission reduction program



Figure 1. Go Green-Go Cycling



Figure 2. UMY Bicycle Share



Figure 3. Cycling for Obey Traffic Rules Campaign



Figure 4. Reforestation - Planting 100 trees on campus-owned land



Figure 5. Tree Planting  
(Celebrating the 37th Anniversary, the Faculty of  
Agriculture Universitas Muhammadiyah Yogyakarta)



Figure 6. Cycling Together  
(Celebrating the 37th Anniversary, the Faculty of  
Agriculture Universitas Muhammadiyah  
Yogyakarta)



Figure 7. The wastes collection point inside UMY





Figure 8. Organic wastes are re-cycled into fertilizer



Figure 9. Solar Cell



Figure 9. Solar Cell



Figure 10. Biomass

**Description:**

**Go Green-Go Cycling - Scope 3**

Go green-go cycling (Figure 1) is a campaign program held by Universitas Muhammadiyah Yogyakarta. This program attracted the entire academic community for cycling to support greenhouse gas emission reduction.

**UMY Bicycle Share - Scope 3**

In appealing the “Go Green-Go Cycling” campaign across the campus, we officially serve the international students with UMY Bicycle Share (Figure 2). The bicycle can be borrowed freely, by international students in Universitas Muhammadiyah Yogyakarta.

**Carbon Footprint Reduction Campaign - Scope 3**

Carbon Footprint Reduction Campaign (CRFC) 2021 is an activity held by Universitas Muhammadiyah Yogyakarta as a form of campus concern in reducing carbon emissions by cycling. The CRFC is implemented from 2020, with this activity it is hoped that the academic community and the general public will be more aware about reducing carbon emissions, by using low-emission vehicles (bicycles) and awareness of planting trees.



The CFRC 2021 activity began with a bicycle tour of several Universitas Muhammadiyah Yogyakarta historical places at 6:00 a.m, including the Firdaus Clinic on Jl. Tendean, which was previously a Universitas Muhammadiyah Yogyakarta classroom. Then proceed to Asri Medical Center (AMC) in Wirobrajan and see the Gramasurya printing house, which was originally the location of the Faculty of Medicine Universitas Muhammadiyah Yogyakarta (Figure 3). CFRC ended with the planting of 100 trees on campus-owned land. Although the CFRC involved 100 participants, the health procedure applied due to the Covid-19 outbreak (Figure 4).

### **Gowes Bersama Dosen, Staf dan Karyawan (Cycling Together) - Scope 3**

Celebrating the 37th Anniversary, the Faculty of Agriculture Universitas Muhammadiyah Yogyakarta held a bicycle ride with lecturers, staff and employees (Figure 5), which also ended with the planting of several trees at the Experimental Field of Ngrame, Tamantirto, Kasihan, Bantul (Figure 6).

On that occasion, Ir. Indira Prabasari, M.P., Ph.D., as the Dean of FP UMY said that the cycling and tree planting activities together were aimed to implement *Mens Sana In Corpore Sano* (A healthy mind in a healthy body)

### **Waste Treatment - Scope 1**

Figure 7 and 8. Organic wastes in Universitas Muhammadiyah Yogyakarta are mostly from falling leaves. Hence, all the organic wastes in Universitas Muhammadiyah Yogyakarta can be collected in one place and then separated into food waste, garden waste/lawn clipping, and others. The garden and lawn clipping wastes are collected, then they will be processed through shredded machine and wastes composting to turn the wastes into fertilizer.

### **Renewable Energy Produce Inside Campus – Scope 2**

Figures 9. Monocrystalline solar cell is installed in the two-storey house. The two-storey house, as shown in Figure 2, are parts of the university project to provide renewable energy sources on Universitas Muhammadiyah Yogyakarta. In addition Universitas Muhammadiyah Yogyakarta has solar power for street lighting.

Figure 10. These figures show the digester building for bioenergy (turning organic waste into fuel) and the biomass gasifier in Universitas Muhammadiyah Yogyakarta. The total energy that can be generated from this facility is 30 KWh.

### **Additional evidence link(s):**

Figure 1: <https://www.facebook.com/UMYogya/posts/go-green-go-cycling-umy-gosejak-bekerja-sama-dengan-majelis-diklitbang-pp-muhamm/10156958412908994/>

Figure 2: <https://iro.umy.ac.id/umy-go-green-are-you-getting-ready-for-bicycling/>

Figure 3 and 4: <https://www.umy.ac.id/umy-campaigns-for-carbon-emission-reduction>  
<https://iro.umy.ac.id/campaign-for-reducing-carbon-emissions-umy-holds-cycling-together-and-plants-100-trees/>

Figure 5 and 6: <https://fp.umy.ac.id/gowes-dan-tanam-pohon-bagian-serangkaian-acara-menyambut-milad-fp-umy-ke-37/>



## Evidence(s)

### UI GreenMetric Questionnaire

University : Universitas Muhammadiyah Yogyakarta  
Country : Indonesia  
Web Address : www.umy.ac.id

#### [2] Energy and Climate Change (EC)

##### [2.11] Please Provide The Total Carbon Footprint (CO<sub>2</sub> emission in the last 12 months, in metric tons)

CO <sub>2</sub> (Electricity)
$= (\text{electricity usage per year (KWh)} \times 0.84) / 1000$ $= (3,225,200 \times 0.84) / 1000$ $= 2,709.17 \text{ metric tons}$
CO <sub>2</sub> (Bus)
$= (\text{number of shuttle bus in your university} \times \text{total trips for shuttle bus service each day} \times \text{approximate travel distance of vehicle each day inside campus only (KM)} \times 240 \times 0.01) / 1000$ $= (1 \times 32 \times 0.1 \times 240 \times 0.01) / 100$ $= 0.08 \text{ metric tons}$
CO <sub>2</sub> (Cars)
$= (\text{number of cars entering university} \times 2 \times \text{approximate travel distance of vehicle each day inside campus only (KM)} \times 240 \times 0.02) / 100$ $= (100 \times 2 \times 0.1 \times 240 \times 0.02) / 100$ $= 4.8 \text{ metric tons}$
CO <sub>2</sub> (Motorcycle)
$= (\text{number of motorcylce entering university} \times 2 \times \text{approximate travel distance of vehicle each day inside campus only (KM)} \times 240 \times 0.01) / 100$ $= (1000 \times 2 \times 0.1 \times 240 \times 0.01) / 100$ $= 24 \text{ metric tons}$
CO <sub>2</sub> (Total)
$= 2,709.17 + 0.08 + 4.8 + 24$ $= 2,738.04 \text{ metric tons}$

#### Description:

During the increasing pandemic situation, the number of students and other guest entering the university had decreased by 40%. According the Incident Command System UMY only 681 guest entering the university per day during March-April 2021 All the data is taken in the academic year 2020/2021 starting from 1st of September 2020 to 31st of August 2021. For electricity consumption there is a decrease compared to the

previous year. For cars and motorcycles, since the parking area is mostly located near the gates, students and staff are parking their vehicles there. There are three gates to enter the campus, and the distance of the parking area to these gates is approximately 200 m to 500 m. Therefore, we can assume the daily travel distance of fossil-based motor vehicles inside the campus on average is 0.5 km.

## Evidence(s) UI GreenMetric Questionnaire

University : Universitas Muhammadiyah Yogyakarta  
Country : Indonesia  
Web Address : www.umy.ac.id

### [2] Energy and Climate Change (EC)

#### [2.13] Number of innovative program(s) during Covid-19 pandemic

No	Name	Scheme	Title	Fund
1	Muhammad Heri Zulfiar, Dr., S.T., M.T.(0515026701)	Appropriate Technology-Based Assignment Scheme for Handling Covid-19	TTG Tenaga Surya pada Pengadaan Air Bersih di Sekolah KB Sang Surya Kembaran, Bantul	Rp. 20,000,000
2	Mulyono, Ir, M.P(0008066002)	Appropriate Technology-Based Assignment Scheme for Handling Covid-19	TEKNOLOGI SEDERHANA PEMBUATAN BIO PESTISIDA ORGANIK BERBAHAN DASAR ABU SEKAM BAGI KELOMPOK TANI KENTANG DI DUKUH KLABARAN SUMBER REJO NGABLAG MAGELANG JAWA TENGAH	Rp. 20,000,000
3	Susanawati, Dr., S.P., M.P.(0521027401)	Appropriate Technology-Based Assignment Scheme for Handling Covid-19	SOSIALISASI DAN APLIKASI PUPUK ORGANIK MB-45 DEPOK PADA KELOMPOK WANITA TANI MULTISARIKISMODALAM MENDUKUNG BUDIDAYA TANAMAN SAYURAN SECARA ORGANIK	Rp. 20,000,000
4	Dianita Sugiyo, S.Kep., Ns., MHID.(0508018202 )	Appropriate Technology-Based Assignment Scheme for Handling Covid-19	Aplikasi Teknologi Sterilisasi Untuk Mengurangi Penyebaran Covid 19 (Covid Spreading)	Rp. 20,000,000
5	Adhianty Nurjanah, Dr., S.Sos., M.Si.(0604127801)	Appropriate Technology-Based Assignment Scheme for Handling Covid-19	Penerapan Digital Marketing Dan Teknologi Alat Pemintal Benang Tenun Otomatis Ramah Lingkungan Pada Pengrajin Lurik Mulyo Cawas Klaten Jawa Tengah	Rp. 20,000,000
6	Elsye Maria Rosa, Dr., S.K.M., M.Kes.(032908700 1)	Appropriate Technology-Based Assignment Scheme for Handling Covid-19	Terapi Infra-red berbasis Android untuk meningkatkan relaksasi otot Bagi pasien Positif Covid-19 yang melakukan Isolasi Mandiri di Panti Asuhan Muhammadiyah Wates	Rp. 20,000,000



7	Rinasa Agistya Anugrah, Ir., S.Pd., M.Eng.(0514069101)	Appropriate Technology-Based Assignment Scheme for Handling Covid-19	Penerapan Teknologi Mesin Granulator Inovatif Pembuat Kompos Granul Untuk Meningkatkan Produktivitas Usaha Kelompok Tani Dusun Karangwuni di Massa Pandemi Covid-19	Rp. 20,000,000
8	Iswanto, Dr., S.T., M.Eng., IPM.(0502098101)	Appropriate Technology-Based Assignment Scheme for Handling Covid-19	Robot aroma therapy untuk therapy pasien covid	Rp. 20,000,000
9	Gatot Supangkat, Dr. Ir., M.P., IPM.(0023106201)	Appropriate Technology-Based Assignment Scheme for Handling Covid-19	PKM SOLAR CELL SERUT, PALBAPANG, BANTUL	Rp. 20,000,000
10	Iswanto, Dr., S.T., M.Eng., IPM.(0502098101)	Appropriate Technology-Based Assignment Scheme for Handling Covid-19	Robot disinfektan untuk sterilisasi Lantai Masjid	Rp. 20,000,000
11	Dinasti Pudang Binoriang, S.Kep., Ns.,M.Kep(0529058701)	Appropriate Technology-Based Assignment Scheme for Handling Covid-19	PENGEMBANGAN DAN PENCATATAN POS PEMBINAAN TERPADU PENYAKIT TIDAK MENULAR (POSBINDU PTM) DI MASA PANDEMI COVID-19 DI DESA SUMBERMULYO BANTUL	Rp. 10,000,000
12	Nina Dwi Lestari, S.Kep., Ners., M.Kep. Sp.Kep.Kom(0530128602)	Appropriate Technology-Based Assignment Scheme for Handling Covid-19	Penerapan Tele Home Visit dalam Pendampingan Tugas Kesehatan Keluarga dengan Penyakit Kronis di Situasi Pandemi Covid 19	Rp. 10,000,000
13	Sagiran, Dr. dr, Sp.B(K)KL., M.Kes(0506076801)	Appropriate Technology-Based Assignment Scheme for Handling Covid-19	PENERAPAN MUYO HOOK UNTUK MEMPERSINGKAT WAKTU OPERASI LAPAROSKOPI MENGURANGI PENGGUNAAN GAS CO2 DAN MENURUNKAN RESIKO PENULARAN VIRUS COVID-19	Rp. 20,000,000

**Description:**

Universitas Muhammadiyah Yogyakarta has an innovative program during the covid-19 pandemic. The program is in the service scheme, appropriate technology. In 2020 there will be 13 titles in collaboration with related partners in various regions.

## Evidence(s) UI GreenMetric Questionnaire

University : Universitas Muhammadiyah Yogyakarta  
Country : Indonesia  
Web Address : www.umy.ac.id

### [2] Energy and Climate Change (EC)

#### [2.14] Impactful university program(s) on climate change



Figure 1. Go Green Go-Cycling Program



Figure 2. UMY Bicycle Share



Figure 3. Cycling for Obey Traffic Rules Campaign  
(Carbon Footprint Reduction Campaign)



Figure 4. Reforestation (Carbon Footprint Reduction  
Campaign)





Figure 5. Tree Planting  
(Celebrating the 37th Anniversary, the Faculty of  
Agriculture Universitas Muhammadiyah Yogyakarta)



Figure 6. Cycling Together  
(Celebrating the 37th Anniversary, the Faculty of  
Agriculture Universitas Muhammadiyah Yogyakarta)



Figure 7. Monocrystalline Solar Cell in Universitas Muhammadiyah Yogyakarta



Figure 8. Solar Power for Street Lighting





Figure 9. Biomass Gasifier in Universitas Muhammadiyah Yoyakarta



Figure 10. Program to provide automatic plant sprinklers with solar power  
(West Wirosaban Village, Sorosutan, Umbulharjo, Yogyakarta)



## **Description:**

### **Go Green-Go Cycling**

Go green-go cycling (Figure 1) is a campaign program held by Universitas Muhammadiyah Yogyakarta. This program attracted the entire academic community for cycling to support greenhouse gas emission reduction.

### **UMY Bicycle Share**

In appealing the “Go Green-Go Cycling” campaign across the campus, we officially serve the international students with UMY Bicycle Share (Figure 2). The bicycle can be borrowed freely, by international students in Universitas Muhammadiyah Yogyakarta.

### **Carbon Footprint Reduction Campaign**

Carbon Footprint Reduction Campaign (CRFC) 2021 is an activity held by Universitas Muhammadiyah Yogyakarta as a form of campus concern in reducing carbon emissions by cycling. The CRFC is implemented from 2020, with this activity it is hoped that the academic community and the general public will be more aware about reducing carbon emissions, by using low-emission vehicles (bicycles) and awareness of planting trees.

The CRFC 2021 activity began with a bicycle tour of several Universitas Muhammadiyah Yogyakarta historical places at 6:00 a.m, including the Firdaus Clinic on Jl. Tendean, which was previously a Universitas Muhammadiyah Yogyakarta classroom. Then proceed to Asri Medical Center (AMC) in Wirobrajan and see the Gramasurya printing house, which was originally the location of the Faculty of Medicine Universitas Muhammadiyah Yogyakarta (Figure 3). CRFC ended with the planting of 100 trees on campus-owned land. Although the CRFC involved 100 participants, the health procedure applied due to the Covid-19 outbreak (Figure 4).

### **Gowes Bersama Dosen, Staf dan Karyawan (Cycling Together)**

Celebrating the 37th Anniversary, the Faculty of Agriculture Universitas Muhammadiyah Yogyakarta held a bicycle ride with lecturers, staff and employees (Figure 5), which also ended with the planting of several trees at the Experimental Field of Ngrame, Tamantirto, Kasihan, Bantul (Figure 6).

On that occasion, Ir. Indira Prabasari, M.P., Ph.D., as the Dean of FP UMY said that the cycling and tree planting activities together were aimed at implementing Mens Sana In Corpore Sano (A healthy mind in a healthy body)

### **Monocrystalline solar cell**

Figures 7: A 1 KW Monocrystalline solar cell is installed in the two-store houses. The two-store houses, as shown in Figure 2, are parts of the university project to provide renewable energy sources on Universitas Muhammadiyah Yogyakarta.

Figure 8 shows the application of our solar power for street lighting.

### **Biomass Gasifier**

Figures 9: These figures show the digester building for bioenergy (turning organic waste into fuel) and the biomass gasifier in Universitas Muhammadiyah Yogyakarta. The total energy that can be generated from this facility is 30 KWh.

### **Program to Provide Automatic Plant Sprinklers with Solar Power**

In West Wirosaban, Sorosutan, Umbulharjo, Yogyakarta has a plantation area filled with vegetable crops. Unfortunately, Human Resources in the area do not have much free time to manage vegetable plantations,

especially in terms of the effectiveness of watering time, due to the daily activities of residents who work as office employees. Departing from that problem, the community service team of the University of Muhammadiyah Yogyakarta consisting of Ir. Tony K Hariadi MT. IPM., Widyasmoro ST. M.Sc., Ir. Agus Jamal M.Eng., IPM., provided assistance in the form of an automatic plant watering device using solar power (solar panels).

**Additional evidence link(s):**

Figure 1: <https://www.facebook.com/UMYogya/posts/go-green-go-cycling-umy-gosejak-bekerja-sama-dengan-majelis-diklitbang-pp-muhamm/10156958412908994/>

Figure 2: <https://iro.umy.ac.id/umy-go-green-are-you-getting-ready-for-bicycling/>

Figure 3 and 4: <https://www.umy.ac.id/umy-campaigns-for-carbon-emission-reduction>  
<https://iro.umy.ac.id/campaign-for-reducing-carbon-emissions-umy-holds-cycling-together-and-plants-100-trees/>

Figure 5 and 6: <https://fp.umy.ac.id/gowes-dan-tanam-pohon-bagian-serangkaian-acara-menyambut-milad-fp-umy-ke-37/>

Figure 10: <https://www.umy.ac.id/kembangkan-sektor-perkebunan-di-wirosaban-barat-tim-pengabdian-umy-beri-bantuan-alat-penyiram-tanaman-otomatis-dengan-tenaga-surya>



## Evidence(s) UI GreenMetric Questionnaire

University : Universitas Muhammadiyah Yogyakarta  
Country : Indonesia  
Web Address : www.umy.ac.id

### [3] Waste (WS)

#### [3.1] Recycling Program for University Waste



Figure 1. Different Dustbins for Each Of Organic and Inorganic Wastes



Figure 2. Fertilizer as A Product of Recycling The Organic Wastes



Figure 3. Use the recycled plastics and glasses (inorganic wastes) for indoor plantation



Figure 4. Recycled paper to make bags

**Description:**

The waste recycling program in Universitas Muhammadiyah Yogyakarta covers the organic and inorganic wastes. Each of the organic and inorganic wastes in UMY are collected in different dustbins (Figure 1) and are subsequently processed into several products (Figure 2). Most of organic wastes are processed into fertilizers (Figure 3), while the inorganic waste is converted into indoor garden pottery (Figure 4).

## Evidence(s) UI GreenMetric Questionnaire

University : Universitas Muhammadiyah Yogyakarta  
Country : Indonesia  
Web Address : www.umi.ac.id

### [3] Waste (WS)

#### [3.2] Program to Reduce the Use of Paper and Plastic on Campus

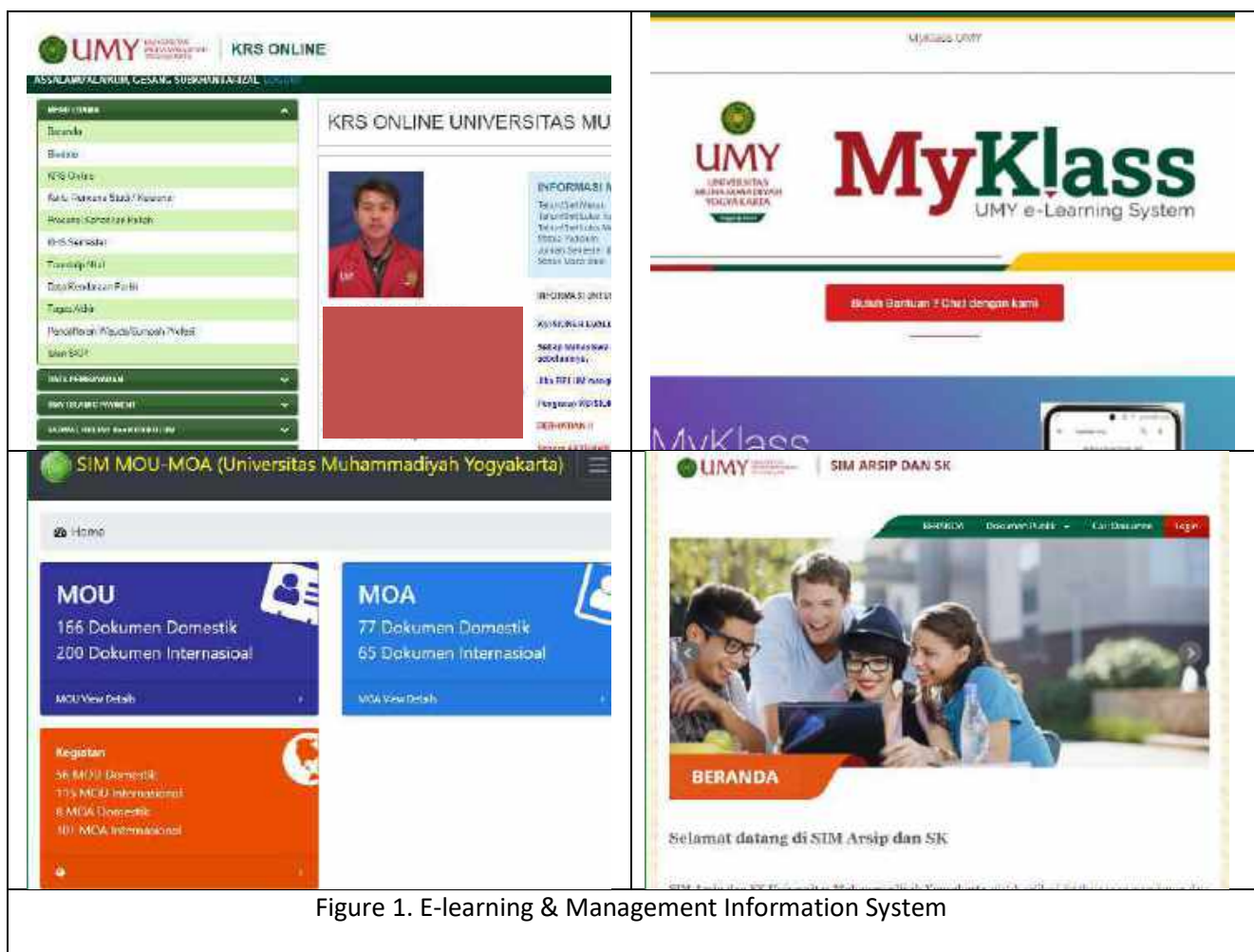


Figure 1. E-learning & Management Information System



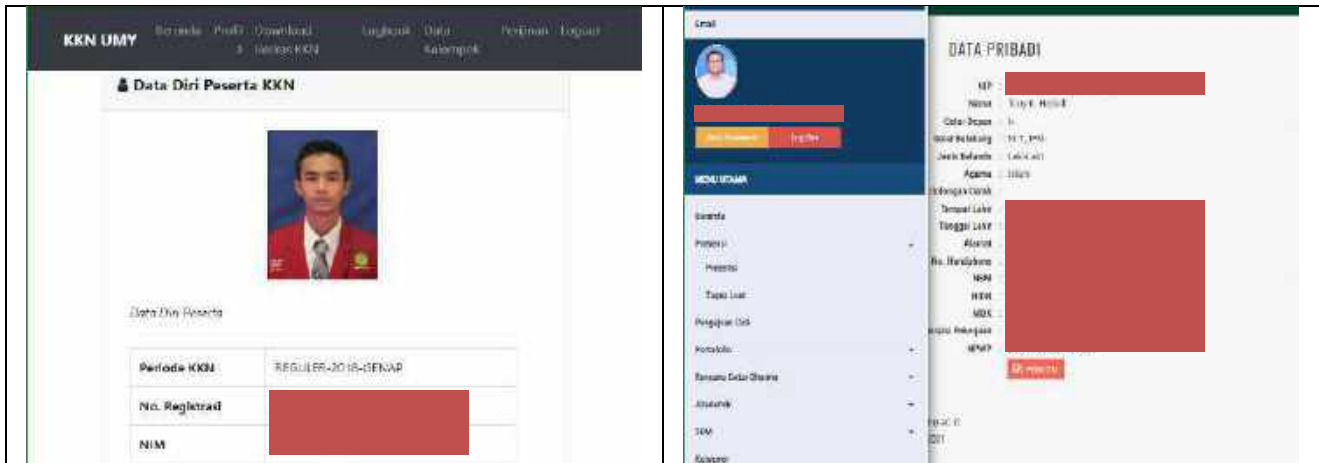


Figure 1. E-learning & Management Information System



Figure 2. An example of student cards with the RFID tag used for the university entry



Figure 3. Application of RFID Scanner

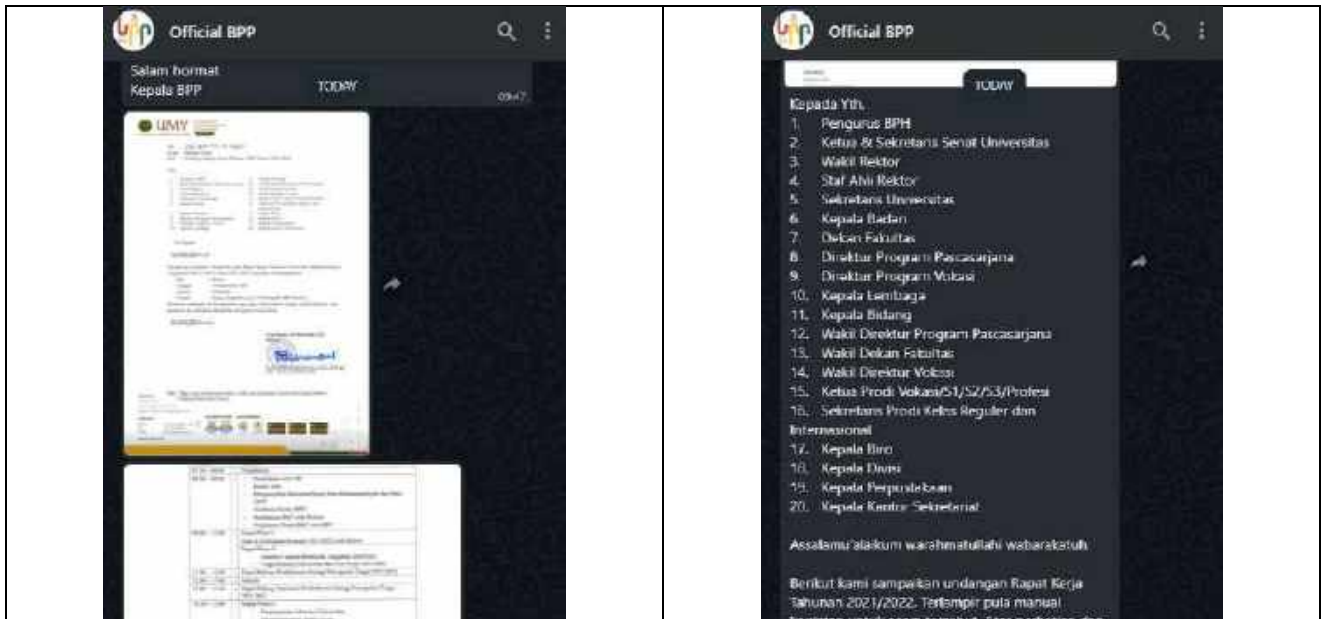


Figure 4. Distribution of information/invitation is carried out online as to reduce the use of papers



Figure 5. Reuse the scrap papers (one side printing)



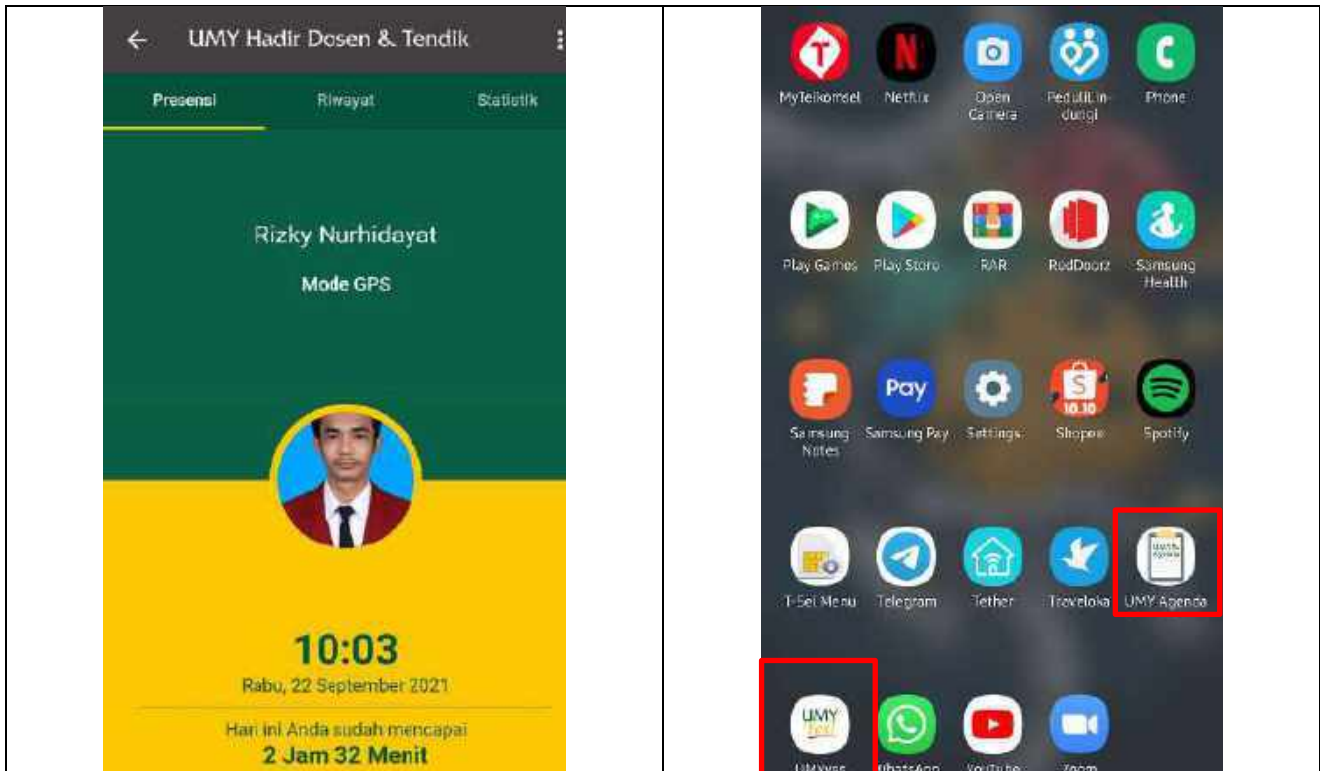


Figure 6. Finger print and online presence systems for lecturers and employees





Figure 7. No Plastic No Panic Program

#### Description:

1. Universitas Muhammadiyah Yogyakarta supports paperless system to reduce paper in daily workplace. As an example, E-learning is used to minimize the use of paper by conducting an online quiz, coursework submission, and online examinations (Figure 1). In the past three years Universitas Muhammadiyah Yogyakarta has been using the online learning rapidly to replace the conventional test, paper submissions, and examinations. Management Information System is also used to replace the paper-based management system.
2. Universitas Muhammadiyah Yogyakarta also has another program to reduce the use of paper. The students and employees of Universitas Muhammadiyah Yogyakarta ID cards are equipped with an Radio-Frequency Identification (RFID) tag (Figure 2 & 3). Thus, the card can be used for the vehicle to enter the university without using the paper ticket. In the future it will be used for other activities, such as cashless payment system and borrowing book.
3. Beside e-learning and paper-less parking ticketing system, Universitas Muhammadiyah Yogyakarta has deployed a paper-less behavior, particularly in distributing the information and invitations around Universitas Muhammadiyah Yogyakarta (Figure 4).
4. Figure 5 shows solutions implemented by Universitas Muhammadiyah Yogyakarta for reusable papers. In particular, scrap papers with one-side printed is reused for taking notes or printing.
5. Figure 6 indicates the use of finger print and online presence systems for Universitas Muhammadiyah Yogyakarta's lecturers and employees. This aims to reduce the use of papers.



6. Universitas Muhammadiyah Yogyakarta has a program with a tagline of “NO PLASTIC NO PANIC” (Figure 7). Universitas Muhammadiyah Yogyakarta urges its students, staffs and visitors to reduce the use of plastic bag while shopping within Universitas Muhammadiyah Yogyakarta.

## Evidence(s) UI GreenMetric Questionnaire

University : Universitas Muhammadiyah Yogyakarta  
Country : Indonesia  
Web Address : [www.umy.ac.id](http://www.umy.ac.id)

### [3] Waste (WS)

#### [3.3] Organic Waste Treatment



Figure 1. Organic and inorganic place





Figure 2. Wastes in UMY are collected in one designated place



Figure 3. The wastes collection point inside UMY



Figure 4. Organic wastes are re-cycled into fertilizer



Figure 5. Fertilizers as a product of organic waste treatment



**Description:**

Organic wastes in Universitas Muhammadiyah Yogyakarta are mostly from falling leaves. Hence, all the organic wastes in Universitas Muhammadiyah Yogyakarta can be collected in one place and then separated into food waste, garden waste/lawn clipping, and others. The garden and lawn clipping wastes are collected, then they will be processed through shredded machine and wastes composting to turn the wastes into fertilizer.



## Evidence(s) UI GreenMetric Questionnaire

University : Universitas Muhammadiyah Yogyakarta  
Country : Indonesia  
Web Address : [www.umy.ac.id](http://www.umy.ac.id)

### [3] Waste (WS)

#### [3.4] Inorganic Waste Treatment



Figure 1. The separation process of inorganic wastes





Figure 2. Inorganic wastes recycling programs conducted by Universitas Muhammadiyah Yogyakarta that involve the social community in Yogyakarta, Indonesia



Figure 3. Use the recycled plastics and glasses (inorganic wastes) for indoor plantation



Figure 4. Recycled paper to make bags

**Description:**

1. Inorganic wastes in Universitas Muhammadiyah Yogyakarta mainly come from plastic, paper, bottles, disposable glasses, and straws.
2. Inorganic waste treatment is conducted by firstly separating the wastes into plastic, paper, bottles/disposable glasses/straws, and others (Figure 1).

3. The plastic bottles, glasses, and mineral water cups are then turned into useful products through several programs (Figure 2).
4. Beautiful indoor plantations (Figure 3) and bags (Figure 4) as the results of inorganic waste recycling programs by Universitas Muhammadiyah Yogyakarta.

**Additional evidence link(s):**

<https://www.umy.ac.id/peduli-lingkungan-umy-olah-limbah-pertanian-dan-sampah-rumah-tangga>

<https://www.umy.ac.id/umy-berdayakan-bank-sampah-kradenan-berseri-melalui-sistem-informasi-online>

<https://kabarkampus.com/2017/05/mahasiswa-umy-kembangkan-alat-pengolah-limbah-plastik-jadi-minyak/>



## Evidence(s) UI GreenMetric Questionnaire

University : Universitas Muhammadiyah Yogyakarta  
Country : Indonesia  
Web Address : [www.umy.ac.id](http://www.umy.ac.id)

### [3] Waste (WS)

#### [3.5] Toxic Waste Treatment



Figure 1. Toxic Waste Management System  
(Universitas Muhammadiyah Yogyakarta, Indonesia)



Figure 2. Different dustbins for each type of toxic wastes



Figure 3. The temporary waste storage for hazardous wastes  
(Asr Medical Center Hospital, Universitas Muhammadiyah Yogyakarta, Indonesia)



Figure 3. The temporary waste storage for hazardous wastes  
(Asr Medical Center Hospital, Universitas Muhammadiyah Yogyakarta, Indonesia)



Figure 4. The hazardous wastes are collected once a week by the authorized company  
(PT. Arah Enviromental Indonesia)

**Description:**

Management of (solid/liquid/gaseous) hazardous waste in Universitas Muhammadiyah Yogyakarta is directed by PT. Arah Enviromental Indonesia. The hazardous wastes management procedures are depicted in Figure 1 and described as follows:

- The hazardous wastes handling procedures begin with separating hazardous wastes from labs into different dustbins (Figure 2).
- The wastes from each dustbin are then safely stored in a *Temporary Waste Storage* (Figure 3) until they are picked up from the authorized company.



- The wastes in the temporary waste storage are picked up once a week by the authorized company (Figure 4). For each pickup, 1-2 trained technicians are responsible for giving instructions for waste packaging and labeling and filling documents to comply with national and international regulations.

## Evidence(s) UI GreenMetric Questionnaire

University : Universitas Muhammadiyah Yogyakarta  
Country : Indonesia  
Web Address : [www.umy.ac.id](http://www.umy.ac.id)

### [3] Waste (WS)

#### [3.6] Sewage Disposal



Figure 1. The sewerage treatment system in Universitas Muhammadiyah Yogyakarta



Figure 2. Underground water tanks for recycled water in Universitas Muhammadiyah Yogyakarta



Figure 3. Sewerage from Universitas Muhammadiyah Yogyakarta Boga (food court) is also recycled



Figure 4. Sewage treatment plant (STP) owned by Universitas Muhammadiyah Yogyakarta





**Description:**

The sewerage and wastewater are treated and recycled in Universitas Muhammadiyah Yogyakarta (Figures 1 to 4) for the garden and plantation. Treatments are intended to make sure the recycled water suits the standard of **KepMenLH 51/1995**.

## Evidence(s) UI GreenMetric Questionnaire

University : Universitas Muhammadiyah Yogyakarta  
Country : Indonesia  
Web Address : [www.umy.ac.id](http://www.umy.ac.id)

### [4] Water (WR)

#### [4.1] Water Conservation Program Implementation



Figure 1. Rainfall water is discharged in several ponds



Figure 2. The collected rainwater is used for watering the garden and plantation



**Description:**

Universitas Muhammadiyah Yogyakarta has separated sewerage systems for wastewater and clean water (rainfall water). Rainfall water is initially collected from the roofs of the buildings and is then discharged into several ponds around the buildings, as depicted in Figure 1. The collected rainwater is used for watering the garden and plantation in Universitas Muhammadiyah Yogyakarta (Figure 2).



## Evidence(s) UI GreenMetric Questionnaire

University : Universitas Muhammadiyah Yogyakarta  
Country : Indonesia  
Web Address : [www.umy.ac.id](http://www.umy.ac.id)

### [4] Water (WR)

#### [4.2] Water Recycling Program Implementation



Figure 1. Water tank for wastewater collection



Figure 2. The recycling wastewater system in Universitas Muhammadiyah Yogyakarta



Figure 3. The flow diagram of the water recycling system in Universitas Muhammadiyah Yogyakarta

**Description:**

About 75% of the water consumed in Universitas Muhammadiyah Yogyakarta, like for wudhu, from floor drain systems and air conditioning systems, is collected in a dedicated water tank (Figure 1) and is subsequently recycled and filtered using the water recycling system, as shown in Figure 2. The Recycled water is then used for watering the garden, plantation, and filling up fish ponds (Figure 3).

## Evidence(s) UI GreenMetric Questionnaire

University : Universitas Muhammadiyah Yogyakarta  
Country : Indonesia  
Web Address : www.umy.ac.id

### [4] Water (WR)

#### [4.3] Water Efficient Appliances Usage (e.g. hand washing taps, toilet flush, etc.)



Figure 1. An example of toilets with efficient flushing systems

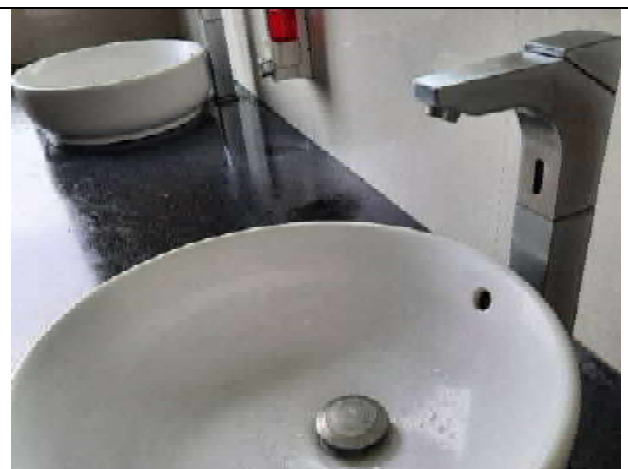


Figure 2. An example of basins with automatic sensors



Figure 3. An example of semi-automatic basins





Figure 3. An example of semi-automatic basins

**Description:**

Universitas Muhammadiyah Yogyakarta has implemented water-efficient appliances (toilet flush and automatic water tap with sensors) in the toilet, mostly at the new buildings, which counts for more than 50% of the total toilets. UMY also has some semi-automatic basins installed in every building. Such basins are equipped with two pedals to control the supply of water and soap. Such pedals can reduce the amount of water and soap wasted whenever the basins are used. Detailed water-efficient appliances are tabulated below.

<b>Appliance</b>	<b>Total Number</b>	<b>Total number of water-efficient</b>	<b>Percentage</b>
Toilet	1362	752	55%
Basin/wastafel	700	329	47%
		<b>Average Percentage</b>	<b>52%</b>

## Evidence(s)

### UI GreenMetric Questionnaire

University : Universitas Muhammadiyah Yogyakarta  
Country : Indonesia  
Web Address : www.umy.ac.id

#### [4] Water (WR)

##### [4.4] Consumption of treated water



 **UMY** UNIVERSITAS MUHAMMADIYAH YOGYAKARTA  
TANJUNGPINRANG, No. 1, SLEMAN, DIKOTA YOGYAKARTA 55282

Nomor : 14/A7-VII/III/2020  
Lamp : -  
Perihal : Himbauan menggunakan UMY Tirta

Kepada Yth.  
Civitas Akademika UMY  
di Tempat

السَّلَامُ عَلَيْكُمْ وَرَحْمَةُ اللَّهِ وَبَرَكَاتُهُ

Bahwa Universitas Muhammadiyah Yogyakarta sudah memiliki fasilitas pengelolaan air minum yang dikelola oleh PT UMB yaitu, UMY Tirta. Oleh karena itu dalam upaya pengelolaan sumberdaya air, maka kami menghimbau bagi segenap Civitas Akademika Universitas Muhammadiyah Yogyakarta untuk menggunakan UMY Tirta sebagai air minum, di dalam lingkungan Universitas.

Untuk pemesanan atau keterangan lebih lanjut silahkan hubungi UMY Boga di ekstensi telepon 285. Demikian himbauan ini kami sampaikan. Atas perhatian dan kerjasamanya kami ucapkan terima kasih.

السَّلَامُ عَلَيْكُمْ وَرَحْمَةُ اللَّهِ وَبَرَكَاتُهُ

Yogyakarta, 27 Maret 2020  
Rektor

  
  
Dr. H. Hanawan Budiyanto, M.P., IPM  
NIK : 19601120198903 1 001

Figure 1. Universitas Muhammadiyah Yogyakarta urges its students and faculty members to consume UMY Tirta during all their activities in campus



Figure 2. UMY Tirta: the water treatment plant owned by Universitas Muhammadiyah Yogyakarta

**Description:**

Universitas Muhammadiyah Yogyakarta has a water treatment facility called **UMY Tirta** (Figure 2). All Universitas Muhammadiyah Yogyakarta students and faculty members are urged to consume UMY Tirta during all their activities in campus (Figure 1).

**Additional evidence link(s):**

<https://www.umy.ac.id/umy-tirta-penuhi-kebutuhan-air-minum-peserta-pimnas-ke-25>  
<https://suaramuhammadiyah.id/tag/umy-tirta/>



## Evidence(s) UI GreenMetric Questionnaire

University : Universitas Muhammadiyah Yogyakarta  
Country : Indonesia  
Web Address : [www.umy.ac.id](http://www.umy.ac.id)

### [2] Energy and Climate Change (EC)

#### [4.5] Percentage of additional handwashing and sanitation facilities during Covid-19 pandemic



Figure 1. Handwashing at the entrance of building  
(Universitas Muhammadiyah Yogyakarta, Indonesia)



Figure 2. Hand sanitizer in every corner of the buildings  
(Universitas Muhammadiyah Yogyakarta, Indonesia)

**Description:**

Handwashing facilities are provided by Universitas Muhammadiyah Yogyakarta near entrance buildings (Figure 1). In addition, hand sanitizer containers are placed in every corner of the building, where handwashing facilities are impossible to install.

Facilities	Number of Facilities
Handwashing Facilities	19
Hand sanitizer container	69
<b>Total additional facilities</b>	<b>88</b>

Total building	10
<b>[4.5]</b>	<b>8.8</b>

$$\text{Question [4.5]} = \frac{\text{Total number of facilities}}{\text{Total number of building}}$$

**Additional evidence link(s):**

<https://images.app.goo.gl/6YUW8LuiPrBcrmr8>

## Evidence(s)

### UI GreenMetric Questionnaire

University : Universitas Muhammadiyah Yogyakarta  
Country : Indonesia  
Web Address : www.umy.ac.id

#### [5] Transportation (TR)

[5.4] The total number of vehicles (cars and motorcycles) divided by total campus population

Types of Vehicles	Numbers
Cars entering the university	100
Motorcycles entering the university	1000
Car managed by the university	20
Total	<b>1120</b>

Campus Population: 4000

$$5.4 = 1120/4000 = 0,28$$

#### Description:

It is estimated about 1120 of vehicles entering Universitas Muhammadiyah Yogyakarta in a day. This number is approximately 28% of the total campus population.



## Evidence(s) UI GreenMetric Questionnaire

University : Universitas Muhammadiyah Yogyakarta  
Country : Indonesia  
Web Address : www.umy.ac.id

### [5] Transportation (TR)

#### [5.5] Shuttle Service



Figure 1. Shuttle Service  
(Universitas Muhammadiyah Yogyakarta, Indonesia)

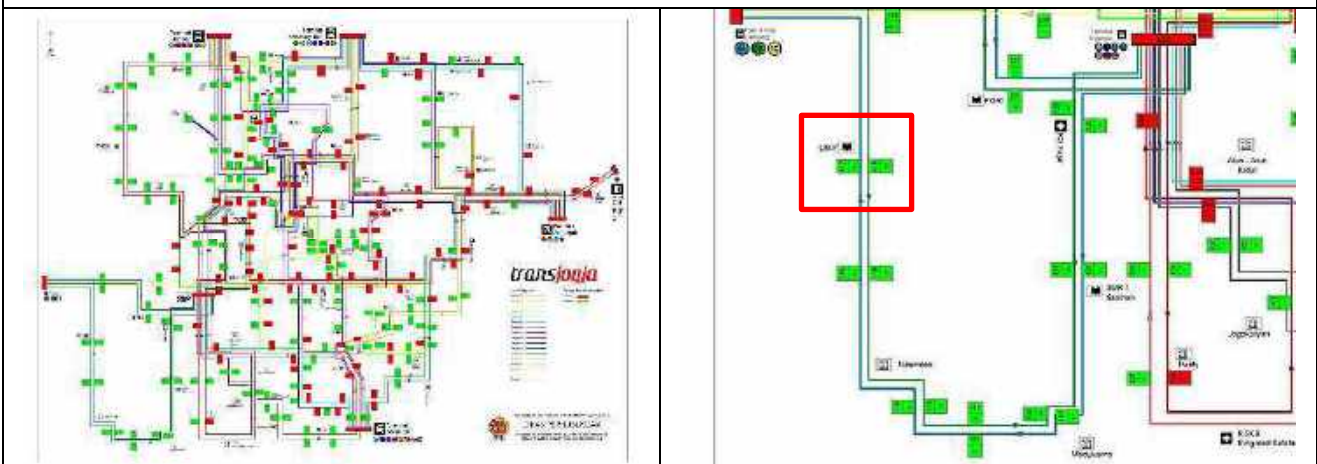


Figure 2. Shuttle Service – Bus Timetable  
(Universitas Muhammadiyah Yogyakarta, Indonesia)

#### Description:

There is a shuttle service at Universitas Muhammadiyah Yogyakarta that can be used by students, staff and all visitors to make energy efficient and prioritize the use of public transportation.

## Evidence(s) UI GreenMetric Questionnaire

University : Universitas Muhammadiyah Yogyakarta  
Country : Indonesia  
Web Address : [www.umy.ac.id](http://www.umy.ac.id)

### [5] Transportation (TR)

#### [5.9] Zero Emission Vehicles (ZEV) Policy on Campus



Figure 1. Bicycles provided by the campus for free use inside Universitas Muhammadiyah Yogyakarta



Figure 2. Cycle lanes on the campus



Nomor : 195 /A.7-VII/III/2020  
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Perihal : Himbauan Bersepeda

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di Tempat



Dalam rangka program *Carbon Footprint Reduction Campaign* dan UMY Sehat, maka kami menghimbau bagi segenap Civitas Akademika Universitas Muhammadiyah Yogyakarta untuk:

1. Menggunakan sepeda ke kantor dua kali dalam satu bulan
2. Berjalan kaki atau menggunakan sepeda di area kampus Universitas Muhammadiyah Yogyakarta selama jam kerja
3. Menggunakan kendaraan umum ke kantor

Demikian himbauan ini kami sampaikan. Atas perhatian dan kerjasamanya kami ucapkan terima kasih.



Yogyakarta, 27 Maret 2020  
Rektor



*Dr. Gunawan Budiyanto, M.P., TPM*  
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www.umy.ac.id

ACCREDITATION ACHIEVEMENT



Figure 3. Advice for cycling by the Rector

### Description:

Bicycles are provided with no charge by Universitas Muhammadiyah Yogyakarta for everyone inside the campus. Bicycles are intended to help Universitas Muhammadiyah Yogyakarta's academia and visitors commuting inside the campus. In addition, Universitas Muhammadiyah Yogyakarta has urged its academia to: (i) use bicycles to reach the campus at least twice a month, (ii) always use bicycles or walk in the dedicated pedestrian lanes while commuting inside th campus, and (iii) use public transportations to reach campus.



## Evidence(s) UI GreenMetric Questionnaire

University : Universitas Muhammadiyah Yogyakarta  
Country : Indonesia  
Web Address : www.umy.ac.id

### [5] Transportation (TR)

#### [5.13] Ratio of Parking Area to Total Campus Area



Figure 1. Green color indicates the parking are in Universitas Muhammadiyah Yogyakarta

#### Description:

Total main campus area : 330,384.38 m<sup>2</sup>  
Total Parking area : 6,411.54 m<sup>2</sup>  
Ratio of parking area to total area : 0,0194  
Percentage of Parking area to total area : 1,94%

## Evidence(s) UI GreenMetric Questionnaire

University : Universitas Muhammadiyah Yogyakarta  
Country : Indonesia  
Web Address : [www.umy.ac.id](http://www.umy.ac.id)

### [5] Transportation (TR)

[5.14] Transportation program designed to limit or decrease the parking area on campus for the last 3 years



Figure 1. Shuttle service are available to reach Universitas Muhammadiyah Yogyakarta



Figure 2. Campus bikes are provided with no charge for staff and students commuting around campus



Figure 3. Online transportations are possible to be used to reach Universitas Muhammadiyah Yogyakarta



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Perihal : Himbauan Bersepeda

Kepada Yth.  
Civitas Akademika UMY  
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بِسْمِ اللّٰهِ الرَّحْمٰنِ الرَّحِیْمِ

Dalam rangka program *Carbon Footprint Reduction Campaign* dan UMY Sehat, maka kami menghimbau bagi segenap Civitas Akademika Universitas Muhammadiyah Yogyakarta untuk:

1. Menggunakan sepeda ke kantor dua kali dalam satu bulan
2. Berjalan kaki atau menggunakan sepeda di area kampus Universitas Muhammadiyah Yogyakarta selama jam kerja
3. Menggunakan kendaraan umum ke kantor

Demikian himbauan ini kami sampaikan. Atas perhatian dan kerjasamanya kami ucapkan terima kasih.

بِسْمِ اللّٰهِ الرَّحْمٰنِ الرَّحِیْمِ

Yogyakarta, 27 Maret 2020  
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www.umy.ac.id

ACCREDITATION

ACHIEVEMENT



Figure 4. Advice for cycling by the Rector

### Description:

Universitas Muhammadiyah Yogyakarta has urged its students, staff, and visitors to use public transportations while visiting and leaving campus, such as:

1. Shuttle service (Figure 1)
2. Free to rent bicycles on campus (Figure 2)
3. Online transportations (Figure 3)



In addition, Universitas Muhammadiyah Yogyakarta has urged its academia to: (i) use bicycles to reach the campus at least twice a month, (ii) always use bicycles or walk in the dedicated pedestrian lanes while commuting inside th campus, and (iii) use public transportations to reach campus.

**Additional evidence link(s):**

<https://www.omy.ac.id/omy-kampanyekan-pengurangan-emisi-karbon>

<https://www.omy.ac.id/omy-luncurkan-segimaskul-sepeda-untuk-pergi-ke-masjid-dan-kuliah-bagi-mahasiswa>

## Evidence(s) UI GreenMetric Questionnaire

University : Universitas Muhammadiyah Yogyakarta  
Country : Indonesia  
Web Address : [www.umy.ac.id](http://www.umy.ac.id)

### [5] Transportation (TR)

#### [5.15] Number of Transportation Initiatives to Decrease Private Vehicles on Campus



Figure 1. Shuttle service are available to reach Universitas Muhammadiyah Yogyakarta



Figure 2. Campus bikes are provided with no charge for staff and students commuting around campus





Figure 3. Online transportations are possible to be used to reach Universitas Muhammadiyah Yogyakarta



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ACCREDITATION

ACHIEVEMENT



Figure 4. Advice for cycling by the Rector

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Universitas Muhammadiyah Yogyakarta has urged its students, staff, and visitors to use public transportations while visiting and leaving campus, such as:

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In addition, Universitas Muhammadiyah Yogyakarta has urged its academia to: (i) use bicycles to reach the campus at least twice a month, (ii) always use bicycles or walk in the dedicated pedestrian lanes while commuting inside th campus, and (iii) use public transportations to reach campus.

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<https://www.omy.ac.id/omy-kampanyekan-pengurangan-emisi-karbon>

<https://www.omy.ac.id/omy-luncurkan-segimaskul-sepeda-untuk-pergi-ke-masjid-dan-kuliah-bagi-mahasiswa>



## Evidence(s) UI GreenMetric Questionnaire

University : Universitas Muhammadiyah Yogyakarta  
Country : Indonesia  
Web Address : [www.umy.ac.id](http://www.umy.ac.id)

### [5] Transportation (TR)

#### [5.16] Pedestrian Path Policy on Campus



Figure 1. The pedestrian path with handrail to the campus mosque



Figure 2. The pedestrian path at the main gate of campus



Figure 3. The pedestrian path beside the parking area of campus



Figure 4. The pedestrian path among buildings





Figure 5. The pedestrian path beside the football field



Figure 6. The pedestrian path in front of the rectorate building



Figure 7. The pedestrian path to the auditorium for disabled people



Figure 8. The pedestrian path beside the garden



Figure 8. The pedestrian path beside the UMY boga



Figure 9. The pedestrian path to the mosque



**Description:**

The pedestrian paths in Universitas Muhammadiyah Yogyakarta are designed comfortably for the pedestrians, equipped with the roof, handrail, and lamps. Several pedestrian lanes with handrail are suitable for the disabled persons to walk and be independent of themselves. Some paths are also used interchangeably with the bike lanes.



## Evidence(s)

### UI GreenMetric Questionnaire

University : Universitas Muhammadiyah Yogyakarta  
Country : Indonesia  
Web Address : www.umy.ac.id

#### [6] Education and Research (ED)

##### [6.1] Number of courses/modules related to environment and sustainability offered

Department	Course Title	Note
Electrical Engineering	Engineering Chemistry and Environmental Science	Learn about how chemical engineering and its causes for the environment
	Microcontroller and Robotics	The basic of computers which is placed on a single integrated circuit chip. It consists of memory, a processor, as well as input-output interfaces. Microcontrollers are programmed to run a certain task, which means, if there is a need to change or enhance its functionality, one must install a new program on the chip.
	Conditioning and Engineering	The study and research can be categorized into three focuses: Thermal Engineering, Renewable Energy, and Energy Management-Green Building
	Dynamics and Stability of the Electric Power System	Learn how the Dynamics and Stability of the Electric Power System
	Electric Power Generation Technology	Learn how power plants work, their structure and what is associated with power plants
	Image Series	Learn series of images related to technique
	Renewable Energy Engineering and Processing	Learn how to make existing energy into renewable energy and efficiently used
Agrotechnology	Agricultural Cultivation in the Qur'anic Perspective	Learn how to farm according to the perspective of the Al-Quran

	Scientific Method	Mathematical and experimental technique employed in the sciences. More specifically, it is the technique used in the construction and testing of a scientific hypothesis. Many empirical sciences, especially the social sciences, use mathematical tools borrowed from probability theory and statistics, together with outgrowths of these, such as decision theory, game theory, utility theory, and operations research.
	Plant Protection	A fundamentally important starting point for plant protection is the ability to anticipate the emergence and spread of noxious organisms and to prevent their introduction and spread before they become agricultural pests in specific crops and regions.
	Biochemistry	Biochemistry has become the foundation for understanding all biological processes. It has provided explanations for the causes of many diseases in humans, animals and plants.
	Geology	Geology is the study of the Earth, the materials of which it is made, the structure of those materials, and the processes acting upon them. It includes the study of organisms that have inhabited our planet.
	Aggressionology	Learn things related to aggressionology
	Plant Physiology	Plant Physiology is a branch of study in Botany dealing with the physiological processes or functions of plants. Specifically, it is a descriptive study of structure and variation of plants at the cellular and molecular level leading to ecological, physiological and biochemistry
	Agricultural Microbiology	Agricultural Microbiology is a branch of microbiology dealing with plant-associated microbes and plant and animal diseases.
	Planting Material Technology	Planting Material Technology are ubiquitous to the human experience; as such, they are found in a variety of forms--raw to heavily processed, utilitarian to decorative--within public and private collections around the world
	Crop Cultivation Technology	The kind and sequence of crops grown over a period of time on a given area of soil can be described as the cropping system.

	Postharvest Physiology	Postharvest Physiology deals with the time period from harvest or removal of the plant from its normal growing environment to the time of ultimate utilization, deterioration, or death.
	Problematic Engineering of Crop Cultivation	A large farm needs help making a ventilation system for the battery fumes the generator creates. The agricultural engineer would develop a solution for them.
	Natural Resource Management	Natural Resource Management deals with managing the way in which people and natural landscapes interact. It brings together land use planning, water management, biodiversity conservation, and the future sustainability of industries like agriculture, mining, tourism, fisheries and forestry.
	Postharvest Technology	The field of post-harvest technology is concerned with the study and application of methods to maintain the quality of harvested commodities in order to prevent losses.
	Agricultural Statistics	The principal tasks involved in agricultural statistics are the collection, processing, and analysis of statistical data that characterize the current status and development of agriculture and the fulfillment of production plans
	Biotech Protection Plants	Biotech Protection Plants is a set of techniques used to adapt plants for specific needs or opportunities. Situations that combine multiple needs and opportunities are common.
	Production Techniques and Biopharming Formulations	Learn how biopharmaceutical production and formulation techniques.
Agribusiness	Natural Resource Management	The application of management science to natural resources such as land, water, soil, plants, and animals with a focus on how management can affect the quality of human life now and in the future
	Econometrics	Science that includes economic theory, mathematics, and statistics in a unified round system, becomes a science that is independent and different from economics; mathematics; and statistics.



	Cultivation	Lority on certain plants either in a natural, traditional, or modern way. The point is to increase yields from the crop
	Managerial Economics	Study economic theory and decision science analysis tools to discuss how an organization can achieve its goals or objectives in the most efficient manner.
	Agricultural Sciences	Study the health sciences family, this field is part of the applied and multidisciplinary family of biological sciences. With the core of biology, this science also utilizes mathematics, statistics, natural sciences, economic and social sciences, and various technologies from other scientific families.
	Plant Protection	Learn about efforts to protect plants from plant-disturbing organisms in the field (gardens / other agricultural lands) until post-harvest. The aim is to reduce the population of pests or other pests below the economic threshold.
	Industrial Plant Cultivation	Learn the types and ways to use industrial parks to keep them beautiful
	Entrepreneurship	Learn the process of doing or creating something new in a creative and innovative way that benefits others and adds value.
	Basic Management	Learn about how and what is related to Basic Management
	Agricultural Production Management	Learn about what is produced from agribusiness production and how the system in management of agribusiness production
	Agricultural Marketing	Study business activities whose main purpose is to provide satisfaction to consumers of the goods or services offered in agriculture
	Agricultural Communication	Explain about statements between humans, both groups and individuals, which are general in nature by using certain symbols as often found in the counseling method
	Message Design and Advertising	Learn how to create message designs and advertisements that are interesting and appropriate for agriculture but must have an impact on the environment
	Business Plan	Learn how to make a business plan so that the business can run as targeted
	Cold Chain	Learn about items that require handling with temperatures that are set below ambient temperature.

	Capita Selecta International Trade	Learn things related to Capita Selecta International Trade
	Supply Chain Management	Learn how a series of activities including coordination, scheduling, and control of procurement, production, inventory and delivery of products or services to customers that include daily administration, operations, logistics and information processing ranging from customers to suppliers
	Agricultural Production Techniques in Islamic Perceptions	Learn about how the techniques of agricultural production correctly and in accordance with the principles of the Islamic religion
	T P H P in Islamic Perception	Learn about things related to T P H P in Islamic Perception
	Agribusiness Information Management	This course consists of 3 words: management, information and agribusiness. Management as a process is an activity carried out to carry out a work together to achieve a common goal. The information is data that has been processed so that it has meaning. Agribusiness as a system in agriculture starts from providing production inputs, production processes, marketing to supporting services.
	Agricultural Sociology	Study the science of sociology which is widely studied in social and agricultural studies. Social itself focuses on society, starting from community relations, social groups, and forms of social interaction
	Microeconomics	Explain economics that studies the behavior of consumers and companies and determines market prices and quantities of input factors, goods and services traded
	Quality Management	Explains how the management system that elevates quality as a business strategy and is oriented to customer satisfaction by involving all members of the organization. Quality management is a management system that focuses on people / employees
	Macroeconomic Policy	Learn about how the policies taken by the government of a country which in principle aims to stabilize the economy and create economic growth in a positive direction. Every economic policy aims to overcome the economic problems faced.

	Agricultural Development Policy	Learn how the procedures and rules that apply to the Agricultural Development Policy
	Research methodology	Learn about scientific processes or ways to obtain data that will be used for research purposes.
Mechanical Engineering	Metallurgy	The study of the chemical properties of metals and how to use metals for daily use. The word 'Metallurgy' actually comes from the Greek 'Metalogues', a term used by chemists to describe the extraction of metals from minerals
	Energy Conversion Techniques	A field of engineering that studies and designs machinery that can convert one energy to another
	Pump	Study the types of pumps and their uses in more detail
	Steam Generator	Learn the workings, functions, and parts of a steam generator
	Biomass	Study fluids derived from biomass, especially from vegetable matter. The most popular forms of biofuel are biodiesel and bioethanol
	Two Phase Flow	Learn about the characteristics of two-phase flow and others associated with the flow of two phases
	Biomaterial	A biomaterial is any substance that has been engineered to interact with biological systems for a medical purpose - either a therapeutic (treat, augment, repair or replace a tissue function of the body) or a diagnostic one.
	Health, Safety & Environment	Learn how to maintain health and safety at work and pay attention to the impact on the environment
	Basic Hydraulic & Pneumatics	Study systems that apply pipes with fluids and drive systems that use air pressure as their driving force
	Renewable energy	Explains the energy that comes from nature and can continuously be produced without having to wait millions of years like fossil-based energy.
	Industrial Management	Learn the process of how to regulate (Planning, Organizing, Actuating, Controlling) carried out by an industry to achieve business goals effectively and efficiently.
Project management	Learn how to make a project that is right and right according to the desired goals	



	Solar Energy	Learn the radiant light and heat from the Sun that is harnessed using a range of ever-evolving technologies such as solar heating, photovoltaics, solar thermal energy, solar architecture, molten salt power plants and artificial photosynthesis
	Wind Energy	Wind energy (or wind power) describes the process by which wind is used to generate electricity. Wind turbines convert the kinetic energy in the wind into mechanical power.
	Hydro Energy	Hydropower or hydroelectricity refers to the conversion of energy from flowing water into electricity Geothermal Energy explains the energy source that
	Geothermal Energy	Explains the energy source that is relatively environmentally friendly because it comes from heat in the earth. Water pumped into the earth by humans or natural causes (rain) is collected to the surface of the earth in the form of steam, which can be used to drive turbines to produce electricity.
	Energy Economy	Energy economics is a broad scientific subject area which includes topics related to supply and use of energy in societies. Due to diversity of issues and methods applied and shared with a number of academic disciplines, energy economics does not present itself as a self-contained academic discipline, but it is an applied subdiscipline of economics.
	Energy Management	Energy management covers the planning and operation of energy-related consumption and production units.
	Energy Conversion Techniques	Explain the transformation of energy from forms provided by nature to forms that can be used by humans.
	Energy Conversion Engine	Learn about energy conversion machines and their parts and functions
Economic development	Human resource economics	Human resource economics is defined as economics that is applied to analyze the formation and utilization of human resources related to economic development
	Natural Resource and Environmental Economics	Learn why natural resources and the environment must be protected so that the earth does not end earlier than it should.

	Agricultural Economy and Agribusiness	Applied field of economics concerned with the application of economic theory in optimizing the production and distribution of food and fiber
	Natural Resource and Environmental Economics	Learn why natural resources and the environment must be protected so that the earth does not end earlier than it should.
	Internship/Down to Erath Program	Learn about how the Internship / Down to Earth Program
International Relations	Global Environmental Studies	Learn to think critically about topics like sustainability, land use and resource management, energy, and geopolitics. And through our interdisciplinary curriculum, you'll graduate prepared for careers in such fields as community planning, sustainability planning, environmental services, and conservation.
Public Administration	Social Research Methodology	Learn about people and societies so that they can design products/services that cater to various needs of the people. Different socio-economic groups belonging to different parts of a county think differently.
Education Innovative Technology	Innovative Technology	Process where an organization (or a group of people working outside a structured organization) embarks in a journey where the importance of technology as a source of innovation has been identified as a critical success factor for increased market competitiveness.
	Scholl Observation	Related to school observations and others that are still related to school observations.
Research methods	Research Methods	Learn the process or method chosen specifically to solve the problem raised in a research.
	Infection Prevention and Control Management	Learn how to prevent management and how to control infections
	Hospital Special Services Management	Learn the management of special services in hospitals
	Scientific Work (Scientific Publications)	Learn how to make scientific papers that are good and true according to themes, such as the environment
Electrical Medical	Clinical Chemistry	Learn things related to clinical chemistry and other related
	Anatomy and Physiology	learn things related to anatomy and physiology in humans

	Therapy Equipment	Learn about anything related to therapeutic equipment
	Safety of Health Equipment Safety	Learn about how to apply the Safety of Health Equipment Safety in electrical medicine
	Equipment Maintenance Management	Learn how to manage and maintain equipment to maintain quality
	Professional ethics	Learn an ethical attitude possessed by a professional as an integral part of life attitudes in developing their duties and applying general ethical norms to specific fields (professions) in human life.
	Health Law and Policy	Study the Law and health policy in accordance with applicable regulations
	Facility Management and Safety	Learn about facility management and safety and related matters
Mechanical and Manufactur Engineering	Otto Burning Motor	Learn about the types and working principles of the otto combustion motor
	Lubricants and Fuels	Learn about materials that are in the category of lubricants and fuels
	Composite	Learn about the meaning of composites, types of composites and others that are related
	Metallurgy	Study the science of studying the chemical properties of metals and how to use metals for daily use
	Industrial Ecology	Study the field of science that is focused on two objectives namely economic improvement and environmental quality improvement
	Energy Conversion Machine II	Learn about the basic principles, ways of working and classification related to the Energy Conversion Machine

**Description:**

The number of courses/modules related to environment and sustainability offered in 2017 - 2020 is 157 courses.



## Evidence(s) UI GreenMetric Questionnaire

University : Universitas Muhammadiyah Yogyakarta  
Country : Indonesia  
Web Address : [www.umy.ac.id](http://www.umy.ac.id)

### [6] Education and Research (ED)

#### [6.2] Total Number of Courses/Subjects Offered

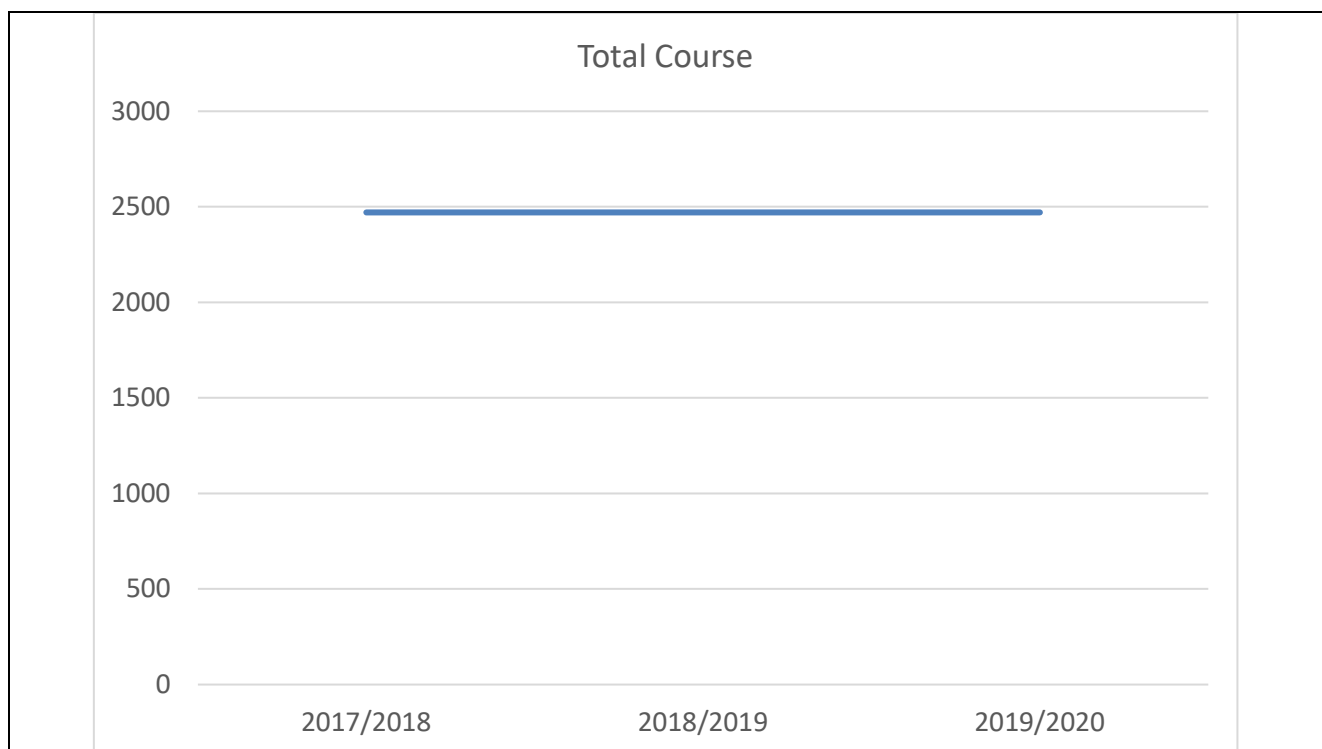


Figure 1. Total Courses Offered in 2017/2018 – 2019/2020  
(Universitas Muhammadiyah Yogyakarta, Indonesia)

#### Description:

Total number of courses offered in 2019/2020 = 2472 courses. This is as same as the number of courses offered in previous years.

## Evidence(s)

### UI GreenMetric Questionnaire

University : Universitas Muhammadiyah Yogyakarta  
Country : Indonesia  
Web Address : www.umy.ac.id

#### [6] Education and Research (ED)

##### [6.4] Total Research Funds Dedicated to Sustainability (in US Dollars)

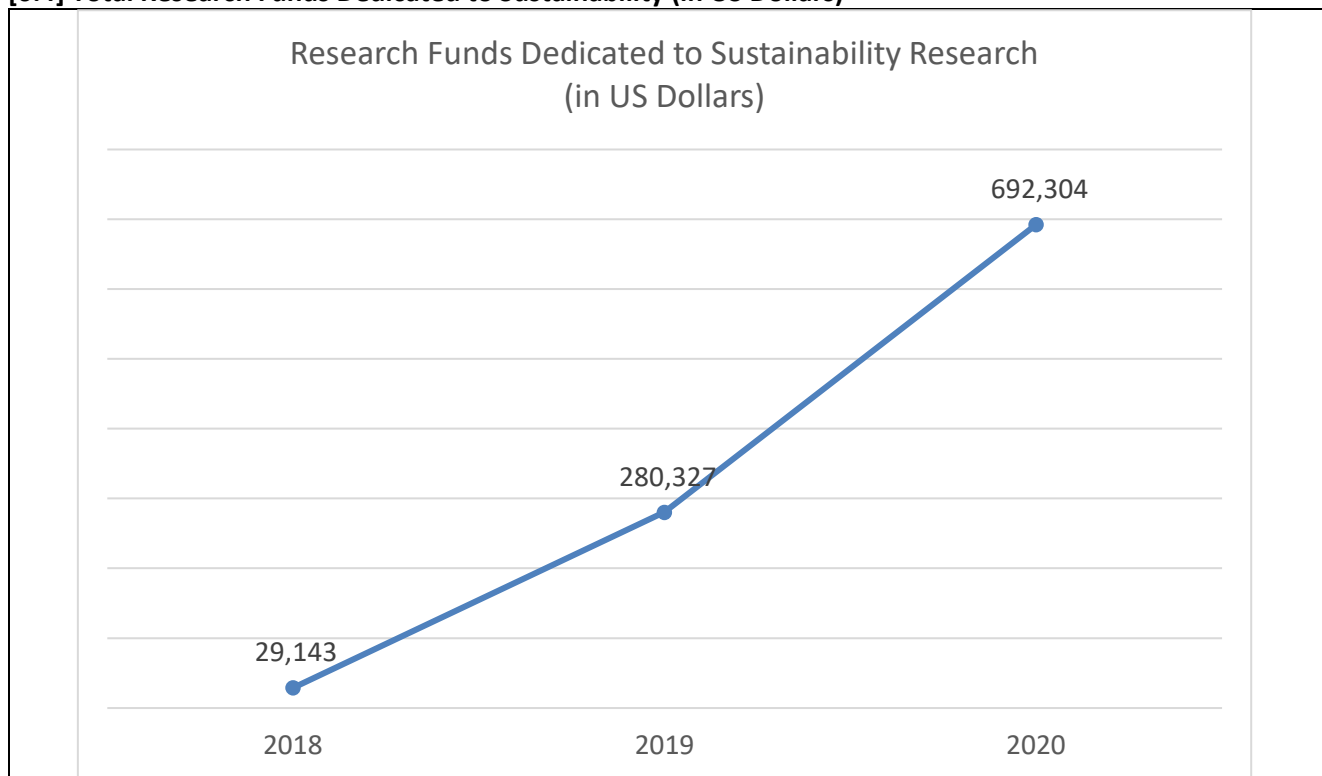


Figure 1. Sustainability Research Fund (Universitas Muhammadiyah Yogyakarta, Indonesia)

#### Description:

Total research fund dedicated to sustainability research in 2018 = 29,143 US Dollars

Total research fund dedicated to sustainability research in 2019 = 280,327 US Dollars

Total research fund dedicated to sustainability research in 2020 = 692,304 US Dollars

**Total research fund dedicated to sustainability research in last 3 years= 1,001,774 US Dollars**

The averaged annum last 3 years of research fund dedicated to sustainability research = 333,925 US Dollars

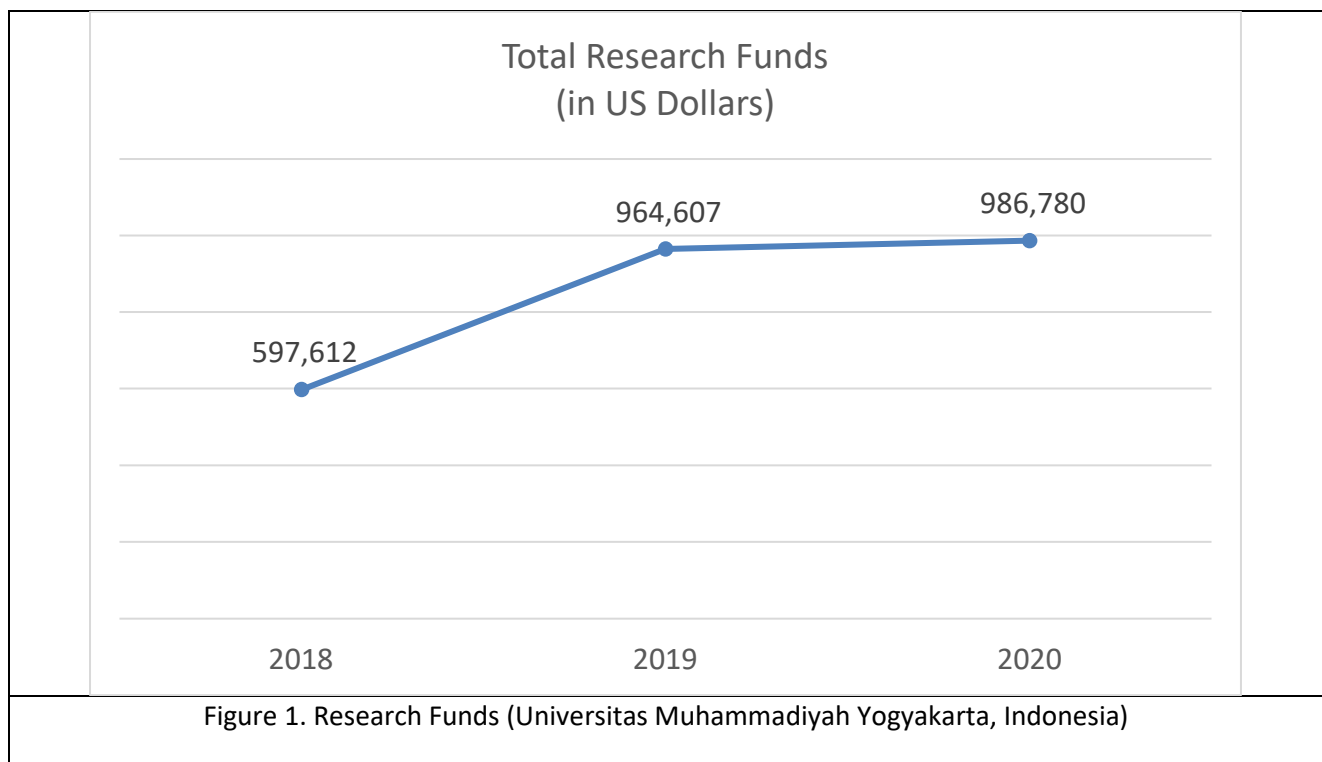
## Evidence(s)

### UI GreenMetric Questionnaire

University : Universitas Muhammadiyah Yogyakarta  
Country : Indonesia  
Web Address : www.umy.ac.id

#### [6] Education and Research (ED)

##### [6.5] Total Research Funds (in US Dollars)



#### Description:

Total research fund research in 2018 = 597,612 US Dollars

Total research fund research in 2019 = 964,607 US Dollars

Total research fund research in 2020 = 986,780 US Dollars

**Total research fund dedicated to sustainability research in last 3 years= 2,548,998 US Dollars**

The averaged annum last 3 years of research fund= 849,666 US Dollars

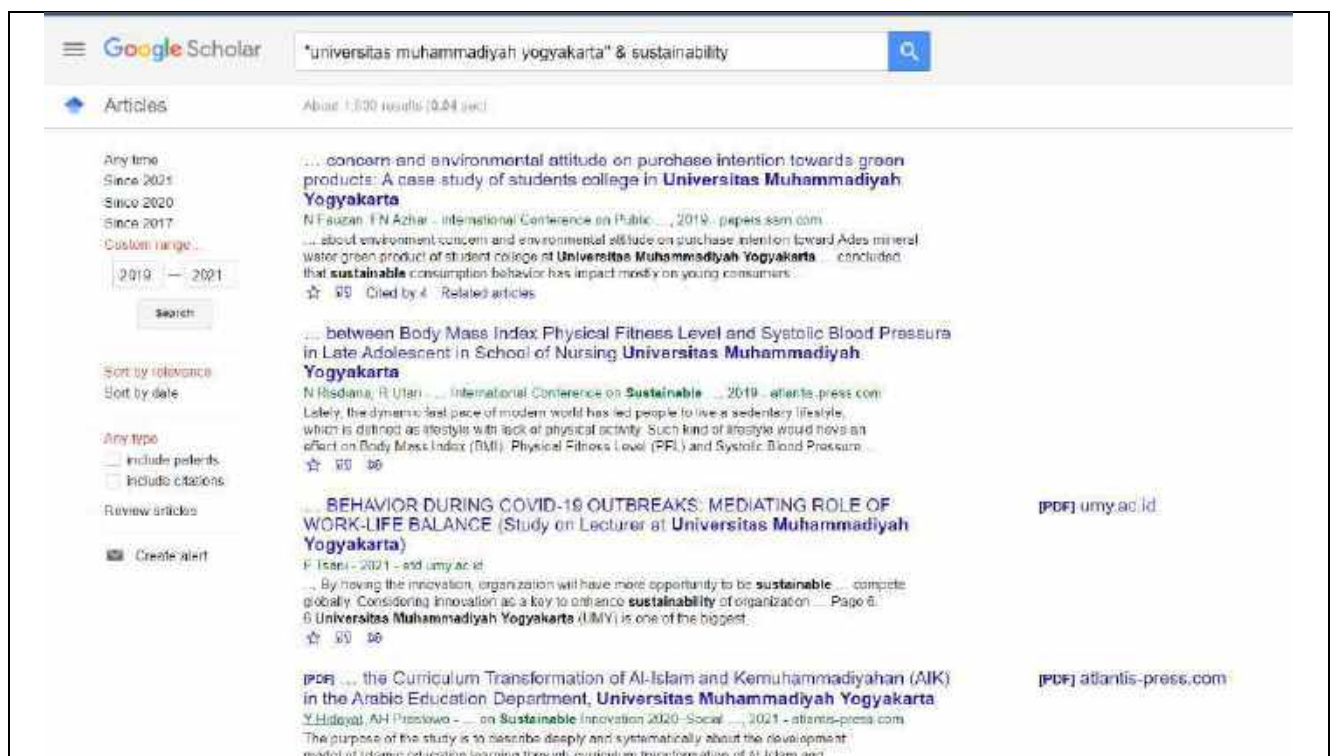


## Evidence(s) UI GreenMetric Questionnaire

University : Universitas Muhammadiyah Yogyakarta  
Country : Indonesia  
Web Address : www.umy.ac.id

### [6] Education and Research (ED)

#### [6.7] Number of scholarly publications on sustainability



Google Scholar search results for "universitas muhammadiyah yogyakarta" & sustainability. The search shows approximately 1,500 results. The first three results are visible, all from Universitas Muhammadiyah Yogyakarta. The first result is about environmental attitude and green products. The second is about Body Mass Index, Physical Fitness Level, and Systolic Blood Pressure. The third is about COVID-19 outbreaks and work-life balance. The fourth result is partially visible, about curriculum transformation.

#### Description:

Example of events **scholarly publications on sustainability** in the academic year 2019-2021. Total publications in the last 3 years is **1830 publications** and with average per annum is **610 publications**.

## Evidence(s) UI GreenMetric Questionnaire

University : Universitas Muhammadiyah Yogyakarta  
Country : Indonesia  
Web Address : [www.umy.ac.id](http://www.umy.ac.id)

### [6] Education and Research (ED)

#### [6.8] Number of Events Related to Sustainability





**5<sup>th</sup> ICIEFI**  
INTERNATIONAL CONFERENCE  
ON ISLAMIC ECONOMICS AND FINANCIAL INCLUSION  
YOGYAKARTA, INDONESIA, 25-28 AUGUST 2021

**Speakers:**  
Dr. Hudaib Al-Humaidan  
Dr. Agus Purandari  
Dr. Agus Purandari  
Dr. Agus Purandari

**CALL FOR PAPER** • Online Conference

"Optimizing the Challenges of Environment, Resources, and Socioeconomics for Sustainable Inevitably"

**Keywords:**  
• Economics and Finance  
• Environmental Economics, Eco-Taxation, Energy Innovation and Disaster Management  
• Small Medium Enterprise, Creative Enterprise, International Trade and Public Service  
• Social Sciences and Humanities  
• Islamic Economics and Finance  
• Islamic Economics (Philosophy, and Health System)

**Registration:**  
Registration Fee: 100.000  
Early Bird: 50.000  
Student: 25.000  
Local: 10.000  
Foreign: 25.000

**Important Date:**  
July 20<sup>th</sup> 2021  
August 1<sup>st</sup> 2021  
August 25<sup>th</sup> - 28<sup>th</sup> 2021

**Publication:**  
Journal of Islamic Economics and Finance  
Journal of Islamic Economics and Finance  
Journal of Islamic Economics and Finance  
Journal of Islamic Economics and Finance

Figure 2. International Conference on Islamic Economics and Financial Inclusion (ICIEFI)  
<https://iciefi.umy.ac.id/2021/>



**ICITAMEE**  
INTERNATIONAL CONFERENCE ON INFORMATION TECHNOLOGY, ADVANCED MECHANICAL AND ELECTRICAL ENGINEERING

**CALL FOR PAPERS 2<sup>nd</sup> ICITAMEE 2021**  
SCIENCE, TECHNOLOGY AND INNOVATION EFFORTS DURING THE COVID-19 PANDEMIC

**KEYNOTE SPEAKERS:**  
Dr. Ing. Ir. Dr. Sun Wicaksono  
Prof. Dr. Ir. Sukanto, S.T., M.T., I.P.H.

**SCOPE:**  
• Advanced Mechanical Engineering  
• Communication and Network Technologies  
• Electronics, Circuit, and Power System  
• Information Technology  
• Robotics and Control Systems  
• Signal Processing and Machine Intelligence

**IMPORTANT DATES:**  
BATCH 1  
Full Paper Submission Deadline: 10<sup>th</sup> July 2021  
Full Paper Acceptance Hold Notice: 20<sup>th</sup> July 2021  
Camera Ready: 24<sup>th</sup> July - 10<sup>th</sup> August 2021  
Copyright Form: 10<sup>th</sup> August 2021  
Conference Day: 25<sup>th</sup> - 28<sup>th</sup> August 2021

**PAYMENT:**  
CONFERENCE FEE: 100.000  
Category: Local: 50.000, International: 100.000

**PUBLICATION:**  
Proceeding SCOPUS Indexed  
Scopus AIP Publishing

Figure 3. International Conference on Information Technology, Advanced Mechanical and Electrical Engineering (ICITAMEE)  
<https://icitamee.umy.ac.id/2021/>



**ONLINE CONFERENCE**

**7<sup>th</sup> ICOMS**  
INTERNATIONAL CONFERENCE ON MANAGEMENT SCIENCES

**ABSTRACT UPLOADS ARE EXTENDED TO MAY 31<sup>st</sup>, 2021**

**"Strengthening Sustainable Creative and Innovative Business Development"**  
Scope: Marketing, Finance, HRM, Operations, Entrepreneurship, Management Information System

**OUR SPECIAL SPEAKERS:**  
Dr. Edward Rubesah  
Prof. Moha Asri Bin Abdulwah  
Florina Silaghi, M.Sc. Ph.D.

**Publication Opportunity:**  
International Journal of Business and Management Science (IJBMMS) Scopus Indexed  
Jurnal Manajemen Bisnis (JMB) Indexed

**Important Dates:**  
Abstract Submission Deadline: May 31<sup>st</sup>, 2021  
Abstract Acceptance Notification: June 10<sup>th</sup>, 2021  
Full Paper Submission Deadline: July 15<sup>th</sup>, 2021  
Full Paper Acceptance Notification: August 15<sup>th</sup>, 2021  
Conference Day: August 25<sup>th</sup> - 28<sup>th</sup>, 2021

**More Info:**  
t: +62 271 653 4279-9229  
e: icoms@umy.ac.id/2021

Figure 4. International Conference on Management Sciences (ICOMS)  
<https://icoms.umy.ac.id/2021/>





Figure 5. International Conference on Sustainable Agriculture (ICOSA)  
<https://icosa.umy.ac.id/2021/>



Figure 6. International Conference on Accounting and Finance (ICAF)  
<https://icaf.umy.ac.id/2021/>



Figure 7. International Conference on Agribusiness and Rural Development (IConARD)  
<https://iconard.umy.ac.id/2021/>



Figure 8. International Conference on Islamic Studies in Digital Era (ICISDE)  
<https://icisde.umy.ac.id/2021/>



Figure 9. International Symposium on Social Science, Humanities, Education & Religious Studies (ISSHERS)  
<https://isshers.umy.ac.id/2021/>



Figure 10. International Conference on English Language Education and Linguistics (ICOELTICS)  
<https://icoeltics.umy.ac.id/2021/>





Figure 11. International Conference of Medical and Health Science (ICHMS)

<https://icmhs.umy.ac.id/2021/>



Figure 12. International Conference on Nursing Studies (ICoNURS)

<https://iconurs.umy.ac.id/2021/>



**2<sup>nd</sup> UNIVERSITAS MUHAMMADIYAH YOGYAKARTA UNDERGRADUATE CONFERENCE**  
*"Engaging Youth in Community Development to Strengthen Nation's Welfare"*  
 Virtual Conference / 15-16<sup>th</sup> September 2021

**Keynote Speakers**

- Bramasta Nugraha, Ph.D.**  
 Associate Professor of Management Information Systems at STIE Graha Widada, Yogyakarta  
 Head of Department of Management Information Systems at STIE Graha Widada, Yogyakarta
- Prof. Hilman Latief, Ph.D.**  
 Professor of the Faculty of Education in Al-Bustan Islamic University of Surabaya  
 Head of the Faculty of Education in Al-Bustan Islamic University of Surabaya
- Prof. Ying-Huei Chen, Ph.D.**  
 Dean of the Faculty of Education at National Sun Yat-sen University  
 Head of the Faculty of Education at National Sun Yat-sen University

**Tracks**

- Business Management and Accounting
- Health and Nursing
- Social, Humanities, Religious Studies and Law
- Engineering and Technology

**Publication**

- All accepted papers will be Published in the ISBN Proceedings
- selected papers will be published in International Journal or SINTIA Journal
- WOS Indexed Proceedings (Atlanta Publisher)

**Payment Details**

Regular: IDR 300,000.00 / USD 30  
 Free of charge for UMY Students  
 Bank: Bank Indonesia Yogyakarta (BIN)  
 Beneficiary: Universitas Muhammadiyah Yogyakarta  
 Account Number: 083102310000041  
 Branch Code: 87544036  
 Registration Code: 2021 registration for ABE  
 Payment deadline : 30<sup>th</sup> June 2021

**Important Deadlines**

- 7<sup>th</sup> June 2021**  
 Abstract Submission Deadline
- 15<sup>th</sup> June 2021**  
 Abstract Acceptance Notification
- 30<sup>th</sup> June 2021**  
 Full Paper Submission Deadline
- 20<sup>th</sup> July 2021**  
 Full Paper Acceptance Notification
- 15<sup>th</sup> August 2021**  
 Presentation video Submission deadline

**Further Information**

@grace\_umy | +62611860482 | grace.ump.ac.id/2021/

Figure 13. University of Muhammadiyah Yogyakarta Undergraduate Conference (UMYGRACE)

<https://grace.umy.ac.id/2021/>

### Description:

Universitas Muhammadiyah Yogyakarta regularly organizes events related to sustainability, such as international conferences. The aim is to maintain the continuous improvement of the economic welfare of the community, maintain the sustainability of the social life of the community, maintain the quality of the



environment as well as inclusive development and the implementation of a government that is able to maintain the improvement of the quality of life from one generation to the next.

## Evidence(s)




### UI GreenMetric Questionnaire

University : Universitas Muhammadiyah Yogyakarta  
Country : Indonesia  
Web Address : www.umy.ac.id

#### [6] Education and Research (ED)

#### [6.9] Number of student organizations related to sustainability

<p><b>Resimen Mahasiswa (Menwa)</b></p> 	<p><b>Korps Sukarela Palang Merah Indonesia (KSR PMI)</b></p>  <p><b>Palang Merah Indonesia</b></p>
<p>Figure 1. Resimen Mahasiswa (Menwa) Logo</p>	<p>Figure 2. Korps Sukarela Palang Merah Indonesia (KSR PMI) Logo</p>
<p><b>Relawan</b></p> 	<p><b>Mahasiswa Pecinta Alam (Mapala)</b></p> 
<p>Figure 3. Relawan (Muhammadiyah Disaster Management Center Voluntary Student) Logo</p>	<p>Figure 4. Mahasiswa Pecinta Alam (Mapala) Logo</p>

<p style="text-align: center;"><b>Hizbul Wathan (HW)</b></p> 	<p style="text-align: center;"><b>Praja Muda Karana (Pramuka)</b></p> 
<p style="text-align: center;">Figure 5. Hizbul Wathan (Muhammadiyah Scout) Logo</p>	<p style="text-align: center;">Figure 6. Praja Muda Karana (Pramuka/Scout) Logo</p>
<b>Kelompok Penelitian Mahasiswa (KPM)</b>	
	
<p style="text-align: center;">Figure 7. Kelompok Penelitian Mahasiswa (KPM) Logo</p>	

**Description:**

UMY has several student organizations related to sustainability. This student organization aims to improve sustainability in their various activities, such as reforestation, improving welfare, social assistance for disasters, etc.

**Additional evidence link(s):**

Menwa

<https://menwa017.umy.ac.id/>

[https://instagram.com/menwa017umy?utm\\_medium=copy\\_link](https://instagram.com/menwa017umy?utm_medium=copy_link)

KSR PMI

<https://ksrpmiumy.ac.id/>

[https://instagram.com/ksrpmiumy?utm\\_medium=copy\\_link](https://instagram.com/ksrpmiumy?utm_medium=copy_link)

Mapala

<https://mapala.umy.ac.id/>

[https://instagram.com/mapala.umy?utm\\_medium=copy\\_link](https://instagram.com/mapala.umy?utm_medium=copy_link)

Relawan

[https://instagram.com/relawanumy?utm\\_medium=copy\\_link](https://instagram.com/relawanumy?utm_medium=copy_link)

HW





[https://instagram.com/hw\\_umy?utm\\_medium=copy\\_link](https://instagram.com/hw_umy?utm_medium=copy_link)

Pramuka

[https://instagram.com/pramuka\\_umy?utm\\_medium=copy\\_link](https://instagram.com/pramuka_umy?utm_medium=copy_link)

KPM

<https://kpm.umy.ac.id/>

## Evidence(s)

### UI GreenMetric Questionnaire

University : Universitas Muhammadiyah Yogyakarta  
Country : Indonesia  
Web Address : [www.umy.ac.id](http://www.umy.ac.id)

#### [6] Education and Research (ED)

##### [6.12] Sustainability Report



Figure 1. Sustainability Report (Universitas Muhammadiyah Yogyakarta, Indonesia)

#### Additional evidence link(s):

Complete text of Sustainability report: <https://greencampus.umy.ac.id/>

## Evidence(s) UI GreenMetric Questionnaire

University : Universitas Muhammadiyah Yogyakarta  
Country : Indonesia  
Web Address : www.umy.ac.id

### [6] Education and Research (ED)

[6.13] Number of cultural activities on campus (e.g. Cultural Festival) including virtual activities (if any)

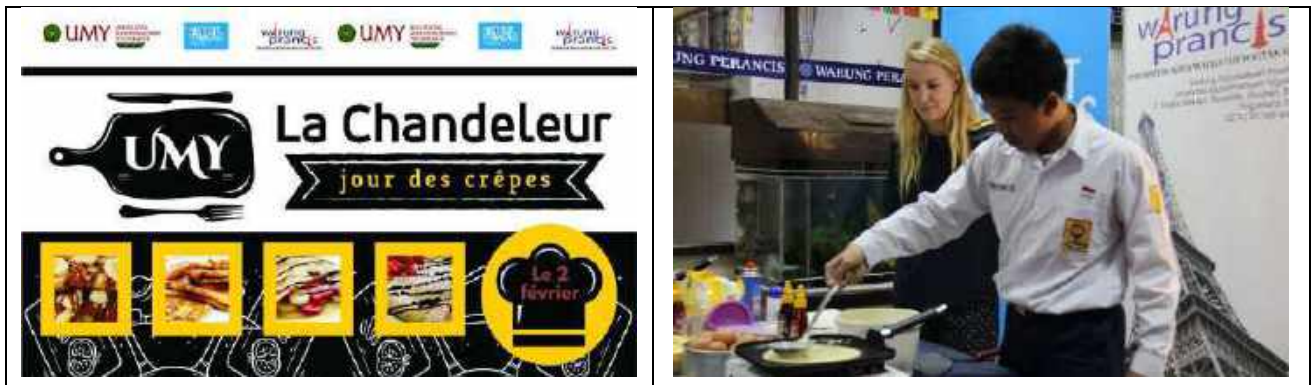


Figure 1. Cross-Cultural Festival held by Warung Prancis (Universitas Muhammadiyah Yogyakarta, Indonesia)



Figure 2. Universitas Muhammadiyah Yogyakarta's anniversary posters





Figure 3. Student Charity Concert with the theme “UMY Kangen” which presented a traditional dance (Universitas Muhammadiyah Yogyakarta, Indonesia)



Figure 4. International Cultural and Culinary Festival (Universitas Muhammadiyah Yogyakarta, Indonesia)



Figure 5. Performed Indonesian Cultural Arts in Chile



Figure 5. Puppet show (Universitas Muhammadiyah Yogyakarta, Indonesia)





Figure 6. Gebyar Government an event to introduce Indonesian culture (Universitas Muhammadiyah Yogyakarta, Indonesia)



Figure 7. Wearing traditional clothes (Universitas Muhammadiyah Yogyakarta, Indonesia)



Figure 8. Wearing Batik-Indonesian traditional cloth in Mount of Kilimanjaro

**Additional evidence link(s):**

Figure 1:

<https://www.umy.ac.id/tunjukan-eksistensi-warung-prancis-umy-adakan-acara-lintas-budaya>

Figure 2 & 3:

<https://twitter.com/umyogya/status/1379311719760109572>

Figure 4:

<https://iro.umy.ac.id/iccf-2021/>

<https://www.rienews.com/festival-budaya-dan-kuliner-2019-umy-dihadiri-30-negara/>

Figure 5:

[https://www.youtube.com/watch?v=DCekdGKh\\_OM](https://www.youtube.com/watch?v=DCekdGKh_OM)

Figure 6:

<https://www.umy.ac.id/komap-umy-kenalkan-budaya-dan-kuliner-indonesia-kepada-mahasiswa>



Figure 7:

<https://yogya.inews.id/berita/gunakan-bahasa-daerah-dan-baju-adat-perkenalan-mahasiswa-baru-umy-pecahkan-rekor-muri>

Figure 8:







<https://www.umy.ac.id/raih-puncak-kilimanjaro-mapala-umy-kembali-pecahkan-rekor-muri>

## Evidence(s) UI GreenMetric Questionnaire

University : Universitas Muhammadiyah Yogyakarta  
Country : Indonesia  
Web Address : www.umy.ac.id

### [6] Education and Research (ED)

#### [6.14] Number of university program(s) to cope with Covid-19 pandemic

<p><b>Campus policy</b></p> <div style="display: flex; justify-content: space-around;"> <div style="width: 45%;">  <p><b>Kebijakan Kampus</b> Terdapat 2 Peraturan Rektor terkait dengan kebijakan Covid-19</p> <ul style="list-style-type: none"> <li>Peraturan Rektor Nomor: 003/PR-UMY/II/2020 tentang Kebijakan Mitigasi Corona Virus Disease (Covid-19)</li> <li>Penetapan Peraturan Nomor: 009/PR-UMY/III/2020 tentang Protokol Kesehatan selama Di Lingkungan UMY pada Masa Pandemi Covid-19</li> <li>Peraturan Rektor Nomor: 010/PR-UMY/III/2020 tentang Protokol Kesehatan Mahasiswa UMY dari Luar D.I. Yogyakarta ke D.I. Yogyakarta pada Masa Pandemi Covid-19</li> </ul> </div> <div style="width: 45%;">  <p><b>Protokol Kesehatan</b> Terdapat 7 Protokol Kesehatan yang diterbitkan sejak tahap protokol kesehatan</p> <ol style="list-style-type: none"> <li>Protokol Pergerakan Domestik Bagi Mahasiswa UMY di lingkungan pada tanggal 24 Maret 2020</li> <li>Protokol Praktikum Tahap Akhir Mahasiswa UMY di lingkungan pada tanggal 26 Maret 2020</li> <li>Protokol Pemakaian Masker Bagi Mahasiswa UMY di lingkungan pada tanggal 30 Juni 2020</li> <li>Protokol Kapasitas Mahasiswa Domestik ke Yogyakarta di lingkungan pada tanggal 10 Juli 2020</li> <li>Protokol Kesehatan Mahasiswa Kampus UMY di lingkungan pada tanggal 12 Juli 2020</li> <li>Protokol Kesehatan Mahasiswa ke Kecamatan Kabupaten dan Kecamatan Bantul yang terdampak Bencana Gempa Bumi Merus Yogyakarta, di lingkungan pada tanggal 20 Agustus 2020</li> <li>Protokol Kegiatan Ekstrakurikuler bagi Mahasiswa UMY di lingkungan pada tanggal 17 Agustus 2020</li> </ol> </div> </div>	
<p>Figure 1. Campus Policy for the covid-19 pandemic</p>	
<p><b>Incident command system of Universitas Muhammadiyah Yogyakarta (ICS UMY)</b></p>	
	
<p>Figure 2. ICS UMY Building</p>	<p>Figure 3. Organizational Structure of ICS UMY</p>
	
<p>Figure 4. Isolation Room for Covid-19 Patient</p>	<p>Figure 5. Mitigation of Covid-19</p>

### Vaccinations Program



Figure 6. Vaccinations for employees



Figure 7. Vaccinations for students

### MyKlass-UMY e-Learning System



Figure 8. MyKlass - Universitas Muhammadiyah Yogyakarta eLearning System (<https://myclass.umy.ac.id/>)

### Online Conference



Figure 9. International Conference on Sustainable Innovation (ICOSI)



### UMY Mengabdi (Sharing is Caring)



Figure 10. UMY Mengabdi (Sharing is Caring)

#### Description:

#### Campus policy

Universitas Muhammadiyah Yogyakarta has several campus policies to cope with covid-19, such as rector regulations and health protocols.

#### Incident command system of Universitas Muhammadiyah Yogyakarta (ICS UMY)

Incident Command System of Universitas Muhammadiyah Yogyakarta (ICS UMY) established by Universitas Muhammadiyah Yogyakarta to cope covid-19. ICS UMY has program, they are screening, tracing, treating, mitigation, vaccination, etc. Universitas Muhammadiyah Yogyakarta also has a website to provide information about covid-19, website page can be accessed at <https://covid-19.umy.ac.id/>.

#### Vaccinations Program

The vaccination program for employees and students is intended to prevent infection and reduce the spread of covid in Universitas Muhammadiyah Yogyakarta. Here is the additional evidence link for vaccinations program:  
<https://www.umy.ac.id/ikhtiar-memutus-penyebaran-covid-19-umy-lakukan-program-vaksinasi-bagi-sivitas-dan-guru-sma-smk-muhammadiyah-se-diy>  
[https://www.umy.ac.id/lanjutkan-ikhtiar-umy-gelar-vaksinasi-kedua-untuk-sivitas-akademika?utm\\_source=rss&utm\\_medium=rss&utm\\_campaign=lanjutkan-ikhtiar-umy-gelar-vaksinasi-kedua-untuk-sivitas-akademika](https://www.umy.ac.id/lanjutkan-ikhtiar-umy-gelar-vaksinasi-kedua-untuk-sivitas-akademika?utm_source=rss&utm_medium=rss&utm_campaign=lanjutkan-ikhtiar-umy-gelar-vaksinasi-kedua-untuk-sivitas-akademika)  
<https://www.umy.ac.id/umy-kembali-gelar-vaksinasi-untuk-civitas>

#### MyKlass - UMY eLearning System

Universitas Muhammadiyah Yogyakarta has an online learning system, namely MyKlass. This system is used to teaching and learning process by online during this pandemic. This system was actually used by Universitas Muhammadiyah Yogyakarta in 2016, long before the pandemic. But in this pandemic Universitas Muhammadiyah Yogyakarta changed the overall teaching and learning process usually offline and online (blended) to be completely online. This system can be accessed through <https://myclass.umy.ac.id/> or mobile app on playstore or Appstore.

#### Online Conference

During pandemic, Universitas Muhammadiyah Yogyakarta held the International Conference on Sustainable Innovation (ICOSI) 2021. This sustainable event was the fifth ICOSI successfully held by Universitas



Muhammadiyah Yogyakarta with the theme "Maximizing Opportunities and Research for a Better Life". Here is the link for the 5<sup>th</sup> ICOSI:

<https://icosi.umy.ac.id/2021/>

<https://www.youtube.com/watch?v=nJahljImNy4>

<https://www.youtube.com/watch?v=Ov9lsuModww>

### **UMY Mengabdi (Sharing is Caring)**

The spread of the COVID-19 pandemic has become a dilemma for a number of Universitas Muhammadiyah Yogyakarta students, especially those from overseas areas. Many overseas students decide not to return to their hometowns because they are aware of the high risk of becoming carriers. However, the decision to live overseas in pandemic also has its own risks, especially in terms of access to meet daily needs, this is exacerbated by the lockdown carried out by several villages. Seeing this phenomenon, Universitas Muhammadiyah Yogyakarta together with the COVID-19 Task Force Team and volunteers distributed logistics to students. UMY Mengabdi has been held from 2020, with this activity expected to help the logistics needs of students. Here is the additional evidence link related this programs:

<https://www.umy.ac.id/umy-mengabdi-bagikan-1-600-paket-logistik-bagi-mahasiswa>

<https://www.umy.ac.id/umy-mengabdi-kembali-hadir-bagikan-takjil-untuk-1000-mahasiswa>

<https://www.umy.ac.id/umy-mengabdi-bagikan-sahur-dan-takjil-untuk-mahasiswa>

<https://www.umy.ac.id/umy-mengabdi-paket-logistik-untuk-mahasiswa-masyarakat-hingga-media-partner>

## Evidence(s) UI GreenMetric Questionnaire

University : Universitas Muhammadiyah Yogyakarta  
Country : Indonesia  
Web Address : www.umy.ac.id

### [6] Education and Research (ED)

#### [6.15] Number of sustainability community services project organised and/or involving students

No	Project Name	Project Duration	Partsi pants	URL
1	PEMBERDAYAAN CIVITAS AKADEMIKA UMY PADA TATANAN KEHIDUPAN BARU KULIAH KERJA NYATA	2 Months	7	<a href="https://youtu.be/LLInBm4pESO">https://youtu.be/LLInBm4pESO</a>
2	STAY HEALTHY IN THE NEW NORMAL ERA DALAM RANGKA PELAKSANAAN PEMBELAJARAN OFFLINE DI KAMPUS UNIVERSITAS MUHAMMADIYAH YOGYAKARTA	2 Months	7	<a href="https://youtu.be/SGN4AJNpNC8">https://youtu.be/SGN4AJNpNC8</a>
3	PEMBERDAYAAN CIVITAS AKADEMIKA UMY PADA TATANAN KEHIDUPAN BARU	2 Months	2	<a href="https://youtu.be/6xtqdVe1PbY">https://youtu.be/6xtqdVe1PbY</a>
4	MENERAPKAN KEDISIPLINAN PROTOKOL KESEHATAN DIMASA PANDEMI COVID-19 DI LINGKUNGAN KAMPUS	16 Months	3	<a href="https://drive.google.com/folderview?id=1me8tC4TCQby2f4SYsYQ1QMgxzPglODM0">https://drive.google.com/folderview?id=1me8tC4TCQby2f4SYsYQ1QMgxzPglODM0</a>
5	KONTRIBUSI MAHASISWA DALAM MITIGASI COVID-19 UMY MENGABDI	5 Months	3	<a href="https://youtu.be/UL1A5r1VDXg">https://youtu.be/UL1A5r1VDXg</a>
6	OPTIMALISASI POTENSI SUMBER DAYA ALAM & SUMBER DAYA MANUSIA DEMI TERWUJUDNYA DESA BANYUDONO, DUKUN, MAGELANG YANG BERKEMAJUAN	1 Month	3	<a href="https://www.youtube.com/watch?v=DJI-NWnJ9Yc">https://www.youtube.com/watch?v=DJI-NWnJ9Yc</a>
7	UPAYA PENCEGAHAN PENYEBARAN COVID-19 DAN PENERAPAN PROTOKOL KESEHATAN DI ERA NEW NORMAL	2 Months	3	<a href="https://youtube.com/channel/UCcma9OaXRV3bMTrvR_dtk6Q">https://youtube.com/channel/UCcma9OaXRV3bMTrvR_dtk6Q</a>
8	PEMBERDAYAAN CIVITAS AKADEMIKA UMY PADA TATANAN KEHIDUPAN BARU	2 Months	7	<a href="https://www.kompasiana.com/dianislamiyati/5ff417d1d541df7c090b9502/upaya-umy-dalam-pemutusan-rantai-penyebaran-covid-19">https://www.kompasiana.com/dianislamiyati/5ff417d1d541df7c090b9502/upaya-umy-dalam-pemutusan-rantai-penyebaran-covid-19</a>

9	PEMBERDAYAAN CIVITAS AKADEMIKA UMY PADA TATANAN KEHIDUPAN BARU	2 Month	7	<a href="https://www.youtube.com/watch?v=B1CHWyZ32J4">https://www.youtube.com/watch?v=B1CHWyZ32J4</a>
10	PEMBERDAYAAN BUMDES JAMU SARWO WIGUNO DI DUSUN GROWONG, TEMPURAN, KABUPATEN MAGELANG MELALUI PEMANFAATAN MEDIA PROMOSI ONLINE	1 Month	9	<a href="https://youtu.be/gwYZ7JwFJc">https://youtu.be/gwYZ7JwFJc</a>
11	PEMBERDAYAAN KADER SEBAGAI UPAYA MENINGKATKAN KESEHATAN MASYARAKAT DALAM MENGHADAPI NEW NORMAL DI ERA COVID 19	1 Month	8	<a href="https://youtu.be/1UjW1AlXy2c">https://youtu.be/1UjW1AlXy2c</a>
12	PENGUATAN KELEMBAGAAN PEDUKUHAN MELALUI SISTEM INFORMASI DI PEDUKUHAN NENGAHAN	1 Month	11	<a href="https://youtu.be/u66KQc5Y72Y">https://youtu.be/u66KQc5Y72Y</a>
13	EDUKASI DALAM UPAYA PENCEGAHAN COVID-19 DI KAMPUS UNIVERSITAS MUHAMMADIYAH YOGYAKARTA	1 Month	7	<a href="https://youtu.be/a2otGCvwtvg">https://youtu.be/a2otGCvwtvg</a>
14	PEMBERDAYAAN MASYARAKAT DUSUN BENDO MELALUI PERTANIAN BERBASIS KOMUNITAS	1 Month	11	<a href="https://youtu.be/KTIBWc7xuDM">https://youtu.be/KTIBWc7xuDM</a>
15	PEMBERDAYAAN UMKM KENDILO BEE MELALUI PEMASARAN MEDIA ONLINE ( FB, IG, DAN WEBSITE) DI KECAMATAN TANAH GROGOT, KABUPATEN PASER, KALIMANTAN TIMUR	1 Month	7	<a href="https://youtu.be/Po4Sxyr5fVo">https://youtu.be/Po4Sxyr5fVo</a>
16	PENINGKATAN TEKNOLOGI PENDIDIKAN DI TENGAH PANDEMI	1 Month	9	<a href="https://kumparan.com/editor/mengagumkan-umy-dampingi-sd-muhammadiyah-bugel-dalam-penggunaan-teknologi-1veSu2ZjXiR">https://kumparan.com/editor/mengagumkan-umy-dampingi-sd-muhammadiyah-bugel-dalam-penggunaan-teknologi-1veSu2ZjXiR</a>
17	PEMBERDAYAAN SANTRI MENUJU PANTI TERAKREDITASI		4	<a href="https://www.youtube.com/watch?v=-ZMQ4lZhNu8">https://www.youtube.com/watch?v=-ZMQ4lZhNu8</a>
18	PENDAMPINGAN PERSONAL BRANDING DAN OPTIMALISASI SYSTEM E-COMMERCE UMKM	1 Month	9	<a href="https://www.youtube.com/watch?v=UPnwNJRlif4">https://www.youtube.com/watch?v=UPnwNJRlif4</a>
19	MAKSIMALISASI PENGGUNAAN TEKNOLOGI DI TENGAH PANDEMI		9	<a href="https://youtu.be/hluYOR7oTdc">https://youtu.be/hluYOR7oTdc</a>
20	PENDAMPINGAN PEMBENTUKAN BUMDES KALURAHAN TEGALTIRTO KAPANEWON BERBAH KABUPATEN SLEMAN	1 Month	9	<a href="https://www.youtube.com/watch?v=UPnwNJRlif4">â€¢ https://www.youtube.com/watch?v=UPnwNJRlif4</a>



21	PEMBERDAYAAN EKONOMI DAN PARIWISATA DI DUSUN KARANGASEM, DESA MUNTUK, KECAMATAN DLINGO, KABUPATEN BANTUL	1 Month	2	<a href="https://youtu.be/i9skcunmKgE">https://youtu.be/i9skcunmKgE</a>
22	KKN PERSYARIKATAN BERBASIS IT PEMBERDAYAAN EKONOMI PANTI ASUHAN DI MASA PANDEMI COVID-19	1 Month	10	<a href="https://pengabdianumy.harianjogja.com/read/2021/04/30/559/1070446/">https://pengabdianumy.harianjogja.com/read/2021/04/30/559/1070446/</a>
23	PEMBERDAYAAN PANTI ASUHAN MUHAMMADIYAH MEKAR MELATI BERBASIS IT	1 Month	11	<a href="https://pengabdianumy.harianjogja.com/read/2021/04/28/559/1070257/kkn-umy-beri-pelatihan-manajemen-stres">https://pengabdianumy.harianjogja.com/read/2021/04/28/559/1070257/kkn-umy-beri-pelatihan-manajemen-stres</a>
24	PEMBERDAYAAN PUSKESMAS PANDAK 1 DI DAERAH ISTIMEWA YOGYAKARTA	1 Month	7	<a href="https://pengabdianumy.harianjogja.com/read/2021/04/28/559/1070259/kkn-umy-dampingi-pasien-isoman-puskesmas-pandak-1">https://pengabdianumy.harianjogja.com/read/2021/04/28/559/1070259/kkn-umy-dampingi-pasien-isoman-puskesmas-pandak-1</a>
25	PENGENDALIAN DAN PENCEGAHAN COVID-19 MELALUI EDUKASI PROTOKOL KESEHATAN COVID-19	1 Month	6	<a href="https://youtu.be/3E7vpappFvY">https://youtu.be/3E7vpappFvY</a>
26	PENDAMPINGAN PEMASARAN UMKM MAKANAN TRADISIONAL "COTOT" KHAS MAGELANG	1 Month	3	<a href="https://www.kompasiana.com/adityasurya2909/601f8824d541df27575e5062/legitnya-makanan-tradisional-cotot">https://www.kompasiana.com/adityasurya2909/601f8824d541df27575e5062/legitnya-makanan-tradisional-cotot</a>
27	PEMBERDAYAAN UMKM BERBASIS IT BERDASARKAN POTENSI ALAM DESA PADA MASA PANDEMI	1 Month	9	<a href="https://www.youtube.com/watch?v=HGzfdgQnsr4">https://www.youtube.com/watch?v=HGzfdgQnsr4</a>
28	PENGELOLAAN SAMPAH DAN PENGUATAN KONDISI NEW NORMAL MASYARAKAT PEDUKUHAN DAGEN PENDOWOHARJO BANTUL	1 Month	9	<a href="https://youtu.be/qACIdO6SHwo">https://youtu.be/qACIdO6SHwo</a>
29	PEMANFAATAN TEKNOLOGI BERBASIS IT UNTUK PEMBERDAYAAN UMKM BAKPIA TUTUT DI DESA SEWUGALUR KULON PROGO	1 Month	8	<a href="https://youtu.be//46ZP7baGtDA">https://youtu.be//46ZP7baGtDA</a>
30	STRATEGI MILLENIAL DALAM PENGEMBANGAN UMKM MINUMAN KHAS BETAWI	1 Month	3	<a href="https://kumparan.com/ikram-adli-1588161414762237697/peduli-sesama-tim-kkn-it-208-umy-membantu-umkm-bir-peletok-ab-di-masa-pandemi-1u48wbcQ2Zw">https://kumparan.com/ikram-adli-1588161414762237697/peduli-sesama-tim-kkn-it-208-umy-membantu-umkm-bir-peletok-ab-di-masa-pandemi-1u48wbcQ2Zw</a>

31	PENDAMPINGAN PEMASARAN UMKM TOKO ROTI ANEKA WONOGIRI DENGAN DIGITAL MARKETING DAN PROTOKOL KESEHATAN DI MASA PANDEMI COVID-19	1 Month	3	<a href="https://www.youtube.com/watch?v=TpL0IVJMvx4">https://www.youtube.com/watch?v=TpL0IVJMvx4</a>
32	PEMBERDAYAAN UMKM DI MASA PANDEMI COVID-19 DENGAN MENGGUNAKAN PRINSIP NEW NORMAL BRANDING	1 Month	9	<a href="https://youtu.be/AekBep8kb1k">https://youtu.be/AekBep8kb1k</a>
33	OPTIMALISASI PENGGUNAAN MEDIA ONLINE DALAM MENGEMBANGKAN PRODUKTIVITAS ABATA JOGJA DI ERA NEW NORMAL	1 Month	9	<a href="https://youtu.be/F5bsEhFAnHI">https://youtu.be/F5bsEhFAnHI</a>
34	PEMBERDAYAAN DAN PENGEMBANGAN UMKM BUDIDAYA JAMUR TIRAM DALAM MENINGKATKAN EKONOMI MASYARAKAT DI MASA PANDEMI DI DESA TUMBUH MULIA KEC. SURALAGA, KAB. LOMBOK TIMUR, NTB	3 Months	9	<a href="https://youtu.be/RPrmgo8PTDY">https://youtu.be/RPrmgo8PTDY</a>
35	PENGEMBANGAN UMKM YANG TERDAMPAK DI MASA PANDEMI COVID-19 BERBASIS IT	2 Months	9	<a href="https://youtu.be/vD7o-E6cgHw">https://youtu.be/vD7o-E6cgHw</a>
36	PEMBERDAYAAN MASYARAKAT PADA KELOMPOK WANITA TANI MELATI PADUKUHAN JANGKANG KIDUL DAN PERKUMPULAN REMAJA PADUKUHAN DLABAN DESA SENTOLO PADA MASA PANDEMIC COVID-19 BERBASIS TEKNOLOGI INFORMASI	1 Month	9	<a href="https://www.youtube.com/watch?v=0csi4Vk8To4">https://www.youtube.com/watch?v=0csi4Vk8To4</a>
37	PENDAMPINGAN UMKM DALAM BIDANG PEMASARAN DI MASA PANDEMI PADA KWT JASMINE DUSUN NOLOGATEN BERBASIS IT	3 Months	7	<a href="https://perindag.slemankab.go.id/2020/08/20/pre-launching-galeri-jasmine-nologaten-binaan-rumah-kreatif-sleman-inisiasi-mahasiswa-kkn-78-it-umy/">https://perindag.slemankab.go.id/2020/08/20/pre-launching-galeri-jasmine-nologaten-binaan-rumah-kreatif-sleman-inisiasi-mahasiswa-kkn-78-it-umy/</a>
38	PENDAMPINGAN DALAM PENGELOLAAN ADMINISTRASI PANTI ASUHAN SERTA PENGEMBANGAN BIDANG USAHA MANDIRI	1 Month	7	<a href="https://www.youtube.com/watch?v=ObjS3EvjwkQ&amp;feature=youtu.be">https://www.youtube.com/watch?v=ObjS3EvjwkQ&amp;feature=youtu.be</a>
39	PENCEGAHAN COVID-19 DI UNIVERSITAS MUHAMMADIYAH YOGYAKARTA MELALUI METODE KULIAH KERJA NYATA RELAWAN COVID-19	2 Months	1	<a href="https://kumparan.com/alfian-hussein-suryana/penyemprotan-disinfektan-langkah-jitu-umy-laksanakan-perkuliahan-luring-1uVhQ4p4fYp">https://kumparan.com/alfian-hussein-suryana/penyemprotan-disinfektan-langkah-jitu-umy-laksanakan-perkuliahan-luring-1uVhQ4p4fYp</a>

40	PEMBERDAYAAN KELOMPOK TANI KEPUH KULON DALAM UPAYA PENINGKATAN PEMANFAATAN LIMBAH PERTANIAN (TANAMAN DAN TERNAK) SEBAGAI BAHAN PUPUK ORGANIK	1 Month	9	<a href="https://youtu.be/K2EWCdXKtMs">https://youtu.be/K2EWCdXKtMs</a>
41	PEMANFAATAN IT GUNA PEKERJAAN USAHA LAPAK EMBUNG KULINER BUMDES BANYU GOTRO RUMPOKO DAN ORGANISASI SOSIAL SATBANA DI MASA PANDEMI COVID-19	2 Months	9	<a href="https://www.youtube.com/watch?v=mb3csZAdQN8">https://www.youtube.com/watch?v=mb3csZAdQN8</a> <a href="https://youtu.be/r2tnWtrI-hs">https://youtu.be/r2tnWtrI-hs</a> <a href="https://youtu.be/Uv15yzgWfk">https://youtu.be/Uv15yzgWfk</a>
42	PENGGUNAAN TEKNOLOGI INFORMASI UNTUK MENINGKATKAN PENJUALAN WEDANG UWUH OLEH BUMDES MAHANANI DAN PEKERJAAN KELOMPOK WANITA TANI DI DESA GIRIREJO	2 Months	4	<a href="https://youtu.be/hkmX9-pWWS8">https://youtu.be/hkmX9-pWWS8</a>
43	PENGGUNAAN TEKNOLOGI INFORMASI UNTUK PEMASARAN DAN EDUKASI TENTANG BATIK	1 Month	3	<a href="https://www.youtube.com/watch?v=Wl00AaU41y4">https://www.youtube.com/watch?v=Wl00AaU41y4</a>
44	PENGUATAN KAPASITAS PEREMPUAN DALAM PENGEMBANGAN SOGA DAN BATIK SHIBORI DI DUSUN SUMBERJO, JATIMULYO, GIRIMULYO	2 Months	11	<a href="https://www.youtube.com/watch?v=7J25OuEA_d8&amp;t=67s">https://www.youtube.com/watch?v=7J25OuEA_d8&amp;t=67s</a>
45	PEMANFAATAN TEKNOLOGI INFORMASI PADA UMKM KULIT DALAM MEMBANGUN BRAND DAN MEMPERLUAS PASAR	1 Month	3	<a href="https://www.youtube.com/watch?v=NweWkuAG62s&amp;t=97s">https://www.youtube.com/watch?v=NweWkuAG62s&amp;t=97s</a>
46	PEMASARAN ON-LINE BAGI UMKM KALIMANTAN SELATAN	1 Month	8	<a href="https://www.youtube.com/watch?v=aBBonkj5qk8">https://www.youtube.com/watch?v=aBBonkj5qk8</a>
47	DIGITAL MARKETING BERBASIS MEDIA SOSIAL BAGI UMKM WELERI, KENDAL, JAWA TENGAH	1 Month	8	<a href="https://kumparan.com/pa-rwoto-jogja/umkm-kedai-sosis-tamkot-di-weleri-semarang-go-online-bersama-kkn-061-umy-1uAe8kkWFhr">https://kumparan.com/pa-rwoto-jogja/umkm-kedai-sosis-tamkot-di-weleri-semarang-go-online-bersama-kkn-061-umy-1uAe8kkWFhr</a>
48	MEDIA SOSIAL DAN EDUKASI PROTOKOL KESEHATAN DI ERA NEW NORMAL	2 Months	7	<a href="https://www.youtube.com/watch?v=v1Z76l2baw8">https://www.youtube.com/watch?v=v1Z76l2baw8</a>
49	PEMBERDAYAAN PEREMPUAN DUSUN PRINGTALI DALAM PEMBUATAN KRIPIK KULIT KAKAO	2 Months	11	<a href="https://www.youtube.com/watch?v=uyOja2lp8s4">https://www.youtube.com/watch?v=uyOja2lp8s4</a>
50	PENERAPAN PROTOKOL KESEHATAN DI KAWASAN GEDUNG KH IBRAHIM E6	2 Months	2	<a href="https://www.kompasiana.com/agung41900/5ff290b2d541ddf50e022fa72/penerapan-protokol-">https://www.kompasiana.com/agung41900/5ff290b2d541ddf50e022fa72/penerapan-protokol-</a>

				<a href="#">kesehatan-di-masa-pandemi-kkn-049</a>
51	ADAPTASI PENGGUNAAN TEKNOLOGI SEBAGAI STRATEGI SURVIVAL BERKEMBANG DI MASA PANDEMI	1 Month	9	<a href="https://youtu.be/wlByfcfySAE">https://youtu.be/wlByfcfySAE</a>
52	PUSKESMAS SEBAGAI GARDA TERDEPAN YANG SIGAP MELAWAN COVID-19	1 Month	7	<a href="https://youtu.be/_Q7MPONio">https://youtu.be/_Q7MPONio</a>
53	PENINGKATAN KEMAMPUAN EMASARANUMKM PENGHASIL KRIPIK DAN AMPLANG	1 Month	3	<a href="https://youtu.be/fHbo_UvTDHA">https://youtu.be/fHbo_UvTDHA</a>
54	EDUKASI DAN OPTIMALISASI SISTEM INFORMASI PADA PANTI ASUHAN DAN PONDOK PESANTREN AL "AMIN	1 Month	11	<a href="https://www.youtube.com/watch?v=rroCM7l1Uyc">https://www.youtube.com/watch?v=rroCM7l1Uyc</a>
55	PEMBERDAYAAN UMKM PENGRAJIN KIPAS KELOMPOK TANI DAN KARANG TARUNA DI DUSUN DIRO BANTUL	1 Month	9	<a href="https://youtu.be/xFt5PaCPSQQ">https://youtu.be/xFt5PaCPSQQ</a>
56	MITIGASI COVID-19 GUNA MENCIPTAKAN LINGKUNGAN KONDISI BELAJAR DAN SADAR PROTOKOL KESEHTAN	2 Months	3	<a href="https://www.youtube.com/watch?v=FWWnlffbpCA&amp;feature=youtu.be&amp;ab_channel=Kelompok-014kknCovid">https://www.youtube.com/watch?v=FWWnlffbpCA&amp;feature=youtu.be&amp;ab_channel=Kelompok-014kknCovid</a>
57	INOVASI DAN PEMBERDAYAAN UMKM SUSU KEDELAI MADU JAHE BERBASIS IT	5 Months	3	<a href="https://www.youtube.com/channel/UCdmFCtd91D6ewfsS61fTW8w">https://www.youtube.com/channel/UCdmFCtd91D6ewfsS61fTW8w</a>
58	PEMBERDAYAAN UMKM DAN ORGANISASI SOSIAL MASYARAKAT BERBASIS IT	1 Month	9	<a href="https://youtu.be/SqzQf09fa78">https://youtu.be/SqzQf09fa78</a>
59	PEMBERDAYAAN UMKM BERBASIS TEKNOLOGI INFORMASI DI KECAMATAN JEPARA MASA PANDEMI COVID 19		9	<a href="https://youtu.be/X3NcuhMiej4">https://youtu.be/X3NcuhMiej4</a>
60	PEMBERDAYAAN CIVITAS AKADEMIKA UMY PADA TATANAN KEHIDUPAN NORMAL BARU (NEW NORMAL)	1 Month	7	<a href="https://youtu.be/YMexCFGdjMA">https://youtu.be/YMexCFGdjMA</a>
61	PENINGKATAN KINERJA KIOS MASYARAKAT DAN TPA DI KALURAHAN JAGALAN DENGAN MEMANFAATKAN SISTEM DIGITAL	1 Month	3	<a href="https://www.kompasiana.com/rifatazulfamahira/6040a341d541df04d5347822/kkn-it-147-umy-bangkitkan-kembali-tpa-di-masjid-at-tauhid">https://www.kompasiana.com/rifatazulfamahira/6040a341d541df04d5347822/kkn-it-147-umy-bangkitkan-kembali-tpa-di-masjid-at-tauhid</a>
62	INOVASI DAN PEMBERDAYAAN UMKM VILLAN KNALPOT PURBALINGGA DI MASA PANDEMI COVID-19	1 Month	3	<a href="https://www.youtube.com/watch?v=2sgD43MLSZk">https://www.youtube.com/watch?v=2sgD43MLSZk</a>



63	PEMBERDAYAAN PANTI ASUHAN Â€AHMAD SUDJARIÂ€ DI MASA PANDEMI COVID-19	1 Month	3	<a href="https://www.youtube.com/watch?v=rWRx0bKSjX4">https://www.youtube.com/watch?v=rWRx0bKSjX4</a>
64	PENGUATAN KELEMBAGAAN DALAM UPAYA MENINGKATKAN KESEJAHTERAAN PANTI ASUHAN	1 Month	3	<a href="https://www.youtube.com/watch?v=C_hcTktinSw&amp;feature=youtu.be">https://www.youtube.com/watch?v=C_hcTktinSw&amp;feature=youtu.be</a>
65	PENINGKATAN DAYA SAING UMKM DAN PEMBERDAYAAN ORGANISASI MASYARAKAT DESA BERBASIS IT	1 Month	9	<a href="https://youtu.be/7AFfRGzSv1k">https://youtu.be/7AFfRGzSv1k</a>
66	PENERAPAN MEDIA DIGITAL DI ERA PANDEMI PADA UMKM DI BIDANG ECOPRINT	1 Month	9	<a href="https://www.krjogja.com/pendidikan/ecoprint-bangkit-saat-pandemi-covid-19-di-kota-yogyakarta/">https://www.krjogja.com/pendidikan/ecoprint-bangkit-saat-pandemi-covid-19-di-kota-yogyakarta/</a>
67	PEMBERDAYAAN UMKM DAN ORGANISASI SOSIAL MASYARAKAT DI MASA PANDEMI COVID-19	1 Month	9	<a href="https://www.youtube.com/watch?v=NxJ6iqFFDGk">https://www.youtube.com/watch?v=NxJ6iqFFDGk</a>
68	PEMBERDAYAAN UMKM DI MASA PANDEMI COVID 19/STRATEGI PEMASARAN KOMUNITAS JAMU SEHAT KABUPATEN MAGELANG	1 Month	10	<a href="https://youtu.be/IKtb3r5qdaM">https://youtu.be/IKtb3r5qdaM</a>
69	PEMBERDAYAAN KARANG TARUNA DAN PRODUKTIVITAS UMKM DI MASA PANDEMI	1 Month	9	<a href="https://www.youtube.com/watch?v=V6t4xfW2i2g">https://www.youtube.com/watch?v=V6t4xfW2i2g</a>
70	PEMANFAATAN TEKNOLOGI SEBAGAI SARANA PEMBERDAYAAN PEMASARAN UMKM : STRATEGI PEMASARAN UMKM SECARA ONLINE	1 Month	8	<a href="https://www.youtube.com/watch?v=uZe8vT7KI-g">https://www.youtube.com/watch?v=uZe8vT7KI-g</a>
71	MENGOPTIMALKAN PEMASARAN ONLINE DI ERA PANDEMI COVID-19	1 Month	9	<a href="https://www.instagram.com/s/aGlnaGxpZ2h0OjE3ODQ1NTcyNTAwNDg3NTI4?igshid=15m82hsocnawt">https://www.instagram.com/s/aGlnaGxpZ2h0OjE3ODQ1NTcyNTAwNDg3NTI4?igshid=15m82hsocnawt</a>
72	OPTIMALISASI BRANDING IMAGE PRODUK PERLENGKAPAN DAN MAINAN EDUKASI BERBAHAN DASAR KAYU DIDUSUN TEGALSARI DESA SAJEN KABUPATEN KLATEN	1 Month	3	<a href="https://youtu.be/ymJzqkWKfoE">https://youtu.be/ymJzqkWKfoE</a>
73	DIGITAL MARKETING DI ERA PANDEMI COVID-19	1 Month	9	<a href="https://www.youtube.com/watch?v=2nFb7UKrpCs">https://www.youtube.com/watch?v=2nFb7UKrpCs</a>
74	BORDERLESS LOVE FOR THE FUTURE: KULIAH KERJA NYATA INTERNASIONAL DI TAWAU, SABAH, MALAYSIA	1 Month	10	<a href="https://www.youtube.com/watch?v=Wa-6bf8pc-w">https://www.youtube.com/watch?v=Wa-6bf8pc-w</a>
75	PEMANFATAN MEDIA SOSIAL DALAM UPAYA PENGEMBANGAN PEMASARAN EMPING MELINJO Â€ESURYA OEMAH	1 Month	8	<a href="https://www.youtube.com/watch?v=wp9BoOMaarg">https://www.youtube.com/watch?v=wp9BoOMaarg</a>

	NDESOS DI SLEMAN YOGYAKARTA TAHUN 2020.			
76	PEMBERDAYAAN UMKM DESA WISATA KASONGAN DI MASA PANDEMI COVID-19	1 Month	9	<a href="https://pengabdianumy.harianjogja.com/read/2021/03/16/559/1066356/kkn-umy-promosikan-kesehatan-untuk-perajin-gerabah-kasongan">https://pengabdianumy.harianjogja.com/read/2021/03/16/559/1066356/kkn-umy-promosikan-kesehatan-untuk-perajin-gerabah-kasongan</a>
77	PEMBERDAYAAN ANEKA CAMILAN KHAS MADURA UD SUMBER REZEKI PADA MASA PANDEMI COVID 19	1 Month	3	<a href="https://youtu.be/e0v6jYgokhM">https://youtu.be/e0v6jYgokhM</a>
78	PENGEMBANGAN UMKM DENGAN PENDEKATAN MEDIA DIGITAL	1 Month	9	<a href="https://youtube.com/channel/UcKf2a0cuCfImHf5rxfqeEww">https://youtube.com/channel/UcKf2a0cuCfImHf5rxfqeEww</a>
79	“NEW NORMAL BUSINESS” : PEMBERDAYAAN UMKM “JAJANAN TASIKMALAYA” DI SETIARATU, CIBEREUM, TASIKMALAYA, JAWA BARAT (JULI – AGUSTUS 2020)	1 Month	8	<a href="https://www.youtube.com/watch?v=H1ySJ_ZeYBc">https://www.youtube.com/watch?v=H1ySJ_ZeYBc</a>
80	PENINGKATAN WAWASAN DAN KAPASITAS BADAN USAHA MILIK DESA DAN KELOMPOK WANITA TANI DALAM MEMAKSIMALKAN TEKNOLOGI INFORMASI	1 Month	46	<a href="https://www.youtube.com/watch?v=GnaZarfJp8Q&amp;t=47s">https://www.youtube.com/watch?v=GnaZarfJp8Q&amp;t=47s</a>
81	PEMBERDAYAAN UMKM KONVEKSI DAN KARANG TARUNA DALAM MEMAKSIMALKAN SUMBER DAYA DAN PEMANFAATAN TEKNOLOGI INFORMASI UNTUK BERADAPTASI SELAMA FASE NORMAL BARU	1 Month	9	<a href="https://www.youtube.com/watch?v=YnXR8U7q7A0">https://www.youtube.com/watch?v=YnXR8U7q7A0</a>
82	PEMBERDAYAAN DUSUN KEDUNGPOH KULON DALAM PENGEMBANGAN PARIWISATA KEAGAMAAN DAN EKONOMI KEMASYARAKATAN	1 Month	11	<a href="https://www.youtube.com/watch?v=STnS-K-M-00">https://www.youtube.com/watch?v=STnS-K-M-00</a>
83	LAPORAN PENGABDIAN MASYARAKAT DPL KKN TEMATIK REGULER RELAWAN COVID-19	2 Months	3	<a href="https://www.kompasiana.com/aziznoor21/5ff5baac8ede4837763a2f83/kkn-relawan-sebagai-bentuk-kepedulian-mahasiswa-terhadap-pandemi-covid-19">https://www.kompasiana.com/aziznoor21/5ff5baac8ede4837763a2f83/kkn-relawan-sebagai-bentuk-kepedulian-mahasiswa-terhadap-pandemi-covid-19</a>
84	DISIPLIN MEMBACA AMAN BERSAMA	2 Months	3	<a href="https://www.instagram.com/p/CGWO4c9FjVi/?igshid=83b0ej8f3fj1">https://www.instagram.com/p/CGWO4c9FjVi/?igshid=83b0ej8f3fj1</a>

85	OPTIMALISASI STRATEGI PEMASARAN UMKM DAN PENINGKATAN KUALITAS SDM KOMUNITAS MUDA-MUDI PIRING (KOMMPI) MELALUI TEKNOLOGI INFORMASI DI PEDUKUHAN PIRING 1 SAAT PANDEMI COVID-19	1 Month	6	<a href="https://cutt.ly/dv0MubE">https://cutt.ly/dv0MubE</a>
86	PEMBERDAYAAN USAHA MIKRO DAN ORGANISASI SOSIAL MELALUI PEMANFAATAN TEKNOLOGI INFORMASI DAN KOMUNIKASI DI DUSUN TEMUWUH KIDUL, KELURAHAN BALECATUR, KAPANEWON GAMPING, KABUPATEN SLEMAN DAERAH ISTIMEWA YOGYAKARTA.	1 Month	9	<a href="https://www.youtube.com/watch?v=pxuvqw1oq8o">https://www.youtube.com/watch?v=pxuvqw1oq8o</a>
87	PEMANFAATAN TEKNOLOGI INFORMASI SEBAGAI SARANA PEMBERDAYAAN USAHA MIKRO, KECIL, DAN MENENGAH (UMKM) DAN ORGANISASI MASYARAKAT DI DUSUN DEMANGAN, KALURAHAN ARGODADI	1 Month	8	<a href="https://www.youtube.com/watch?v=pJGM3BoPgfM">https://www.youtube.com/watch?v=pJGM3BoPgfM</a>
88	PEMBERDAYAAN ORGANISASI MASYARAKAT PENDOWOHARJO SEBAGAI USAHA PENINGKATAN KESEHATAN DI ERA PANDEMI COVID-19	1 Month	9	<a href="https://youtu.be/eZl2nDFsrEw">https://youtu.be/eZl2nDFsrEw</a>
89	PENGEMBANGAN SUMBER DAYA ALAM DAN MANUSIA DENGAN MENGEKSPLORASI POTENSI MASYARAKAT DI BIDANG EKONOMI DAN LINGKUNGAN SERTA MEMBANGUN KESADARAN MASYARAKAT DI BIDANG PENDIDIKAN DAN KESEHATAN	1 Month	25	<a href="https://www.youtube.com/watch?v=X1XbSV6TRt4">https://www.youtube.com/watch?v=X1XbSV6TRt4</a>
90	PEMBERDAYAAN PANTI ASUHAN MELALUI PENGGUNAAN MEDIA SOSIAL	1 Month	11	<a href="https://youtu.be/3GR9-V93CvA">https://youtu.be/3GR9-V93CvA</a>
91	PENINGKATAN PRODUKTIVITAS KUB SINAR TIMUR DI ERA PANDEMI	1 Month	8	<a href="https://www.youtube.com/channel/UCqTkkCmW_LxhDIVtPfZ37Ow">https://www.youtube.com/channel/UCqTkkCmW_LxhDIVtPfZ37Ow</a>
92	PEMBERDAYAAN WARGA DI DESA GUWOSARI MELALUI BUMDES DAN KARANG TARUNA	3 Months	2	<a href="https://www.youtube.com/watch?v=9vaC_jq6K7Q">https://www.youtube.com/watch?v=9vaC_jq6K7Q</a>
93	PEMBERDAYAAN MASYARAKAT BERLANDASKAN NILAI-NILAI KEISLAMAN MELALUI EKSPLORASI LITERASI	1 Month	2	<a href="https://youtu.be/3k8pQfWgAFw">https://youtu.be/3k8pQfWgAFw</a>
94	MENINGKATKAN MANAJEMEN KELEMBAGAAN DAN KEMAMPUAN POTENSI PANTI ASUHAN MAUHAMMADIYAH WATES BERBASIS IT	1 Month	2	<a href="https://www.youtube.com/watch?v=WkSmQRJQyUg">https://www.youtube.com/watch?v=WkSmQRJQyUg</a>

95	PENDAMPINGAN DAN PEMBERDAYAAN ORGANISASI MASYARAKAT DAN PEMASARAN UMKM DI MASA PANDEMI	2 Months	7	<a href="https://youtu.be/vwp1uYVBMDg">https://youtu.be/vwp1uYVBMDg</a>
96	PEMBERDAYAAN UMKM DALAM MENINGKATKAN PEMASARAN PRODUK LOKAL CILACAP DI ERA NEW NORMAL DENGAN BERBASIS TEKNOLOGI	2 Months	3	<a href="https://youtu.be/DHiTLVf3-54">https://youtu.be/DHiTLVf3-54</a>
97	PEMANFAATAN SOSIAL MEDIA SEBAGAI MEDIA PROMOSI LESEHAN MBAK ANDENG TEGAL	1 Month	3	<a href="https://www.youtube.com/watch?v=wOayndnrZOY">https://www.youtube.com/watch?v=wOayndnrZOY</a>
98	PENDAMPINGAN UMKM WARINGIN TIMUR DALAM RANGKA PENGEMBANGAN USAHA MELALUI PEMASARAN DIGITAL	3 Months	6	<a href="https://www.youtube.com/watch?v=a3rJmKS2wY">https://www.youtube.com/watch?v=a3rJmKS2wY</a>
99	PEMBERDAYAAN UMKM (USAHA MENENGAH KECIL MIKRO) BERBASIS IT DENGAN PENGEMBANGAN PRODUK GULA JAHE	1 Month	8	<a href="https://youtu.be/oftqnUOpLQU">https://youtu.be/oftqnUOpLQU</a>
100	PEMBERDAYAAN BUMDES NEO TRISABUNDA TERKAIT PEMASARAN PRODUK BERBASIS IT DI DESA PLUNJARAN KECAMATAN WADASLINTANG WONOSOBO	2 Months	7	<a href="https://youtu.be/YrJMknlG43w">https://youtu.be/YrJMknlG43w</a>
101	PENGEMBANGAN BISNIS BENIH SERTA BERAS PADA USAHA UD IQBAL SARI PADI DAN TANI AGUNG	1 Month	3	<a href="https://youtu.be/N8nuO-1u4sU">https://youtu.be/N8nuO-1u4sU</a>
102	MENINGKATKAN POTENSI DESA TUKSONO MELALUI PRODUKTIVITAS TANI DAN PENINGKATAN UMKM SEBAGAI WUJUD EKONOMI KREATIF DESA DI MASA PANDEMI	1 Month	9	<a href="https://youtu.be/1gmk6MUscWc">https://youtu.be/1gmk6MUscWc</a>
103	PENDAMPINGAN UMKM DAN PEMBERDAYAAN MASYARAKAT DI TENGAH PANDEMI COVID-19	1 Month	8	<a href="https://youtu.be/VXVdP1Ezo5w">https://youtu.be/VXVdP1Ezo5w</a>
104	PENINGKATAN MARKETING UMKM BATOK KELAPA DAN DUSUN WISATA DEWI KAMSA DI DUSUN SANTAN	1 Month	8	<a href="https://youtu.be/rxNS9-oCbgU">https://youtu.be/rxNS9-oCbgU</a>
105	OPTIMALISASI STRATEGI MARKETING UMKM BATIK KAYU BERBASIS IT DAN PEMBEKALAN SOFT SKILL KELOMPOK PKK DESA KREBET SEBAGAI PENANGGULANGAN DAMPAK PANDEMI COVID-19	1 Month	9	<a href="https://youtu.be/zu-a-14e_iw">https://youtu.be/zu-a-14e_iw</a>



106	PENGUATAN EKONOMI KOMUNITAS MARDIKO, PIYUNGAN.	2 Months	3	<a href="https://news.detik.com/berita-jawa-tengah/d-3453462/muhammadiyah-periksa-kesehatan-pemulung-di-tpst-piyungan">https://news.detik.com/berita-jawa-tengah/d-3453462/muhammadiyah-periksa-kesehatan-pemulung-di-tpst-piyungan</a>
107	PENDAMPINGAN UMKM EMPING MLINJO DAN KERUPUK BERAS	1 Month	3	<a href="https://youtube.com/channel/UCTHuf6TG7SBbehOVxFzUw">https://youtube.com/channel/UCTHuf6TG7SBbehOVxFzUw</a>
108	PENDAMPINGAN PENGRAJIN OLAHAN BUAH DURIAN DI DESA CIBUYUR	1 Month	3	<a href="https://www.youtube.com/watch?v=SnS03-t_AEM">https://www.youtube.com/watch?v=SnS03-t_AEM</a>
109	PENDAMPINGAN USAHA PENGOLAHAN IKAN AIR TAWAR DI KAMPUNG ULAM - MUNTILAN	2 Months	3	<a href="https://youtu.be/6ZOyxtkW9CU">https://youtu.be/6ZOyxtkW9CU</a>
110	PENGEMBANGAN POTENSI PARIWISATA DESA PONJONG, GUNUNG KIDUL DIY.	1 Month	3	<a href="https://youtu.be/g8LbNlkzi4g">https://youtu.be/g8LbNlkzi4g</a>
111	PEMBERDAYAAN UMKM DAN KARANG TARUNA DI DESA SADONOHARJO BERBASIS IT	1 Month	3	<a href="https://youtu.be/DoAmvCsCAVU">https://youtu.be/DoAmvCsCAVU</a>
112	PENGEMBANGAN DESA WISATA MELALUI PENGUATAN UMKM TOPENG DAN PANDE BESI DALAM RANGKA MEWUJUDKAN KESEJAHTERAAN MASYARAKAT DESA GILANGHARJO DENGAN MODERNISASI MELALUI DIGITAL MARKETING	1 Month	3	<a href="https://www.youtube.com/channel/UCzyEOJWsYfN9EQAFzFihjPg">https://www.youtube.com/channel/UCzyEOJWsYfN9EQAFzFihjPg</a>
113	PENGEMBANGAN PROMOSI UKM LUMPIA BU TUTIK MELALUI SOSIAL MEDIA	1 Month	2	<a href="https://youtu.be/g6yo2WuEtEI">https://youtu.be/g6yo2WuEtEI</a>
114	PEMANFAATAN MEDIA INTERNET SEBAGAI UPAYA OPTIMALISASI STRATEGI PEMASARAN DALAM RANGKA MENGHADAPI DAMPAK COVID-19 TERHADAP UMKM MAWAR CAKE AND BAKERY DI PROBOLINGGO	1 Month	3	<a href="https://youtu.be/l1Mix50y54Y">https://youtu.be/l1Mix50y54Y</a>
115	STRATEGI PEMASARAN PRODUK BUTIK NAJMA DI MASA PANDEMI COVID-19	1 Month	9	<a href="https://youtu.be/67riPKLw4l8">https://youtu.be/67riPKLw4l8</a>
116	PENDAMPINGAN BUMDES DAN KELOMPOK PKK DESA DADAPAYU	1 Month	1	1) <a href="https://youtu.be/Feb6u_fbKjM">https://youtu.be/Feb6u_fbKjM</a>
117	PEMBERDAYAAN SEKOLAH GUNA MENINGKATKAN KUALITAS SUMBER DAYA MANUSIA SEKOLAH DALAM PROSES KBM (KEGIATAN BELAJAR MENGAJAR) ONLINE	1 Month	3	<a href="https://youtube.com/channel/UCIBWAWpnm_Sk5fentyIjCyg">https://youtube.com/channel/UCIBWAWpnm_Sk5fentyIjCyg</a>
118	KULIAH KERJA NYATA MUHAMMADIYAH MENGAJAR TEMA: PEMBERDAYAAN	1 Month	3	<a href="https://youtu.be/KILGzdG07Nk">https://youtu.be/KILGzdG07Nk</a>

	SMP MUH 1 LENDAH MENUJU SEKOLAH ISLAMI BERKEMAJUAN			
119	PELATIHAN PEMASARAN DAN PROMOSI BUDIDAYA IKAN AIR TAWAR DI DUSUN SENGONKARANG DAN IKAN GUPPY DI METES MELALUI MEDIA SOSIAL	1 Month	3	<a href="https://www.youtube.com/watch?v=hhQ1oy1vdic">https://www.youtube.com/watch?v=hhQ1oy1vdic</a>
120	KKN REGULER BERBASIS IT: BERSAMA MEMBERDAYAKAN MASYARAKAT	1 Month	3	<a href="https://youtu.be/4hkEXgcI-yc">https://youtu.be/4hkEXgcI-yc</a>
121	PENGEMBANGAN PRODUK UMKM DAN ORGANISASI SOSIAL DI MASA PANDEMI BERBASIS IT	1 Month	3	<a href="https://youtu.be/kbimk7iqwrl">https://youtu.be/kbimk7iqwrl</a>
122	OPTIMALISASI MEDIA SOSIAL SEBAGAI MEDIA MARKETING BANTEN OBLONG PADA MASA PANDEMI COVID-19	1 Month	9	<a href="https://youtu.be/lc8TNWFj5CQ">https://youtu.be/lc8TNWFj5CQ</a>
123	PENDAMPINGAN DIGITAL MARKETING UNTUK MENINGKATKAN PANGSA PASAR ABON BATIH LESTARI PADA MASA PANDEMI COVID-19	1 Month	9	<a href="https://www.youtube.com/watch?v=4Cr5e3lnz3c">https://www.youtube.com/watch?v=4Cr5e3lnz3c</a>
124	PENDAMPINGAN HEALTHY FOOD PADA OMAH BAROKAH DAN MANROE COFFEE BANTUL BERBASIS MARKETING ONLINE	1 Month	3	<a href="https://www.youtube.com/watch?v=-lIBXmwNY1k">https://www.youtube.com/watch?v=-lIBXmwNY1k</a>
125	PEMBERDAYAAN UMKM DAN ORGANISASI MASYARAKAT BERBASIS TEKNOLOGI INFORMASI DAN KOMUNIKASI DIMASA PANDEMI COVID-19	1 Month	9	<a href="https://www.youtube.com/watch?v=wrKnIshFqS4">https://www.youtube.com/watch?v=wrKnIshFqS4</a>
126	KULIAH KERJA NYATA TEMATIK REGULER DESA ARGOSARI TEMA : THE POWER OF COMMUNITY EMPOWERMENT	1 Month	9	<a href="https://youtu.be/-ew2H_E7Bcg">https://youtu.be/-ew2H_E7Bcg</a>
127	DIGITAL MARKETING SEBAGAI STRATEGI PEMASARAN DAN PENINGKATAN POTENSI DESA DALAM PENGEMBANGAN UMKM	1 Month	2	<a href="http://hargorejo-kulonprogo.desa.id/index.php/artikel/2021/2/1/anggota-umkm-pengguna-belajar-foto-produk">http://hargorejo-kulonprogo.desa.id/index.php/artikel/2021/2/1/anggota-umkm-pengguna-belajar-foto-produk</a>
128	PENINGKATAN PENJUALAN MELALUI DIGITAL MARKETING UKM DAN ORGANISASI KARANG TARUNA DI DESA SUMBERRAHAYU, SUMBERARUM, SLEMAN DAN DESA SENDANGSARI, BANTUL	1 Month	9	<a href="https://youtu.be/FRMi_kWF8-M">https://youtu.be/FRMi_kWF8-M</a>

129	PENERAPAN PROTOKOL KESEHATAN DALAM MEMUTUS PENYEBARAN PANDEMI COVID-19 DI LOBBY F5 UMY	1 Month	7	<a href="https://www.kompasiana.com/nadiafitriw/5ff27a01d541df2d3c215e52/program-kkn-relawan-bentuk-keseriusan-umy-dalam-menangani-covid-19">https://www.kompasiana.com/nadiafitriw/5ff27a01d541df2d3c215e52/program-kkn-relawan-bentuk-keseriusan-umy-dalam-menangani-covid-19</a>
130	PEMBERDAYAAN KEWIRAUSAHAAN ECOPRINT KELOMPOK PKK PERAK ASRI DI KECAMATAN BANTUL	1 Month	3	<a href="https://www.youtube.com/watch?v=oaFpDmbVpYw">https://www.youtube.com/watch?v=oaFpDmbVpYw</a>
131	PEMANFAATAN TEKNOLOGI INFORMASI DALAM MENINGKATKAN METODE PEMBELAJARAN DARING DI MASA PANDEMI COVID-19 DI PESANTREN ASY-SYIFA MUHAMMADIYAH DESA SUMBERMULYO	1 Month	3	<a href="https://www.youtube.com/watch?v=u8GngkyIEiQ">https://www.youtube.com/watch?v=u8GngkyIEiQ</a>
132	PENERAPAN PROTOKOL KESEHATAN BAGI CIVITAS AKADEMIKA UNIVERSITAS MUHAMMADIYAH YOGYAKARTA	1 Month	7	<a href="https://kumparan.com/angki_mu/kkn-015-umy-jalankan-program-pengawasan-keprotokolan-di-area-kampus-1uGff0IOyPB/full">https://kumparan.com/angki_mu/kkn-015-umy-jalankan-program-pengawasan-keprotokolan-di-area-kampus-1uGff0IOyPB/full</a>
133	PENINGKATAN KESADARAN MASYARAKAT TERHADAP COVID-19 MELALUI PENERAPAN PROTOKOL KESEHATAN YANG SESUAI	1 Month	7	<a href="https://youtu.be/PSeI4robIcM">https://youtu.be/PSeI4robIcM</a>

**Description:**

During 2020 Universitas Muhammadiyah Yogyakarta organized 133 sustainable community service projects that were organized and/or involved students. These projects involve a total of 765 students and 133 lecturers with 133 partners.

## Evidence(s) UI GreenMetric Questionnaire

University : Universitas Muhammadiyah Yogyakarta  
Country : Indonesia  
Web Address : www.umy.ac.id

### [6] Education and Research (ED)

#### [6.16] Number of sustainability-related startups



Figure 1. MooBrix



Figure 2. Nisha

#### Description:

MooBrix is a brick made from cow dung and clay which has several advantages over bricks in general. The advantages are 20 percent lighter, 20 percent stronger, the dimensions of the bricks are wider than the usual 23cm x 11.5cm. MooBrix has also obtained the Indonesian National Standard (SNI) certification.





Nisha (Student business group) which was founded in 2020 is funded by the Ministry of Education and Culture. It was founded by four students: Dwi Rahmad Sholihin, Erlinda Dwi Laraswati, Dinda Dewi Novitasari, and Hilda Septianingtias. Nisha is in the air freshener business by using coconut shells as a medium.

**Additional evidence link(s):**

Figure 1:

<https://www.mediamu.id/2018/11/26/kurangi-global-warming-mahasiswa-umy-ciptakan-batu-bata-dari-kotoran-sapi/3/>

<https://www.youtube.com/watch?v=CVjOddYe-hk>

Figure 2:

<https://lpka.umy.ac.id/tim-pengharum-nisha-umy-berhasil-meraih-juara-di-kmi-expo-xi-2020/>



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