



Kebutuhan Pola Hidup Hijau dalam Kehidupan Kampus

Junaidi
Wakil Ketua
UI GreenMetric World University Rankings



Workshop Persiapan Perankingan UI GreenMetric
Universitas Ahmad Dahlan
23 Desember 2020

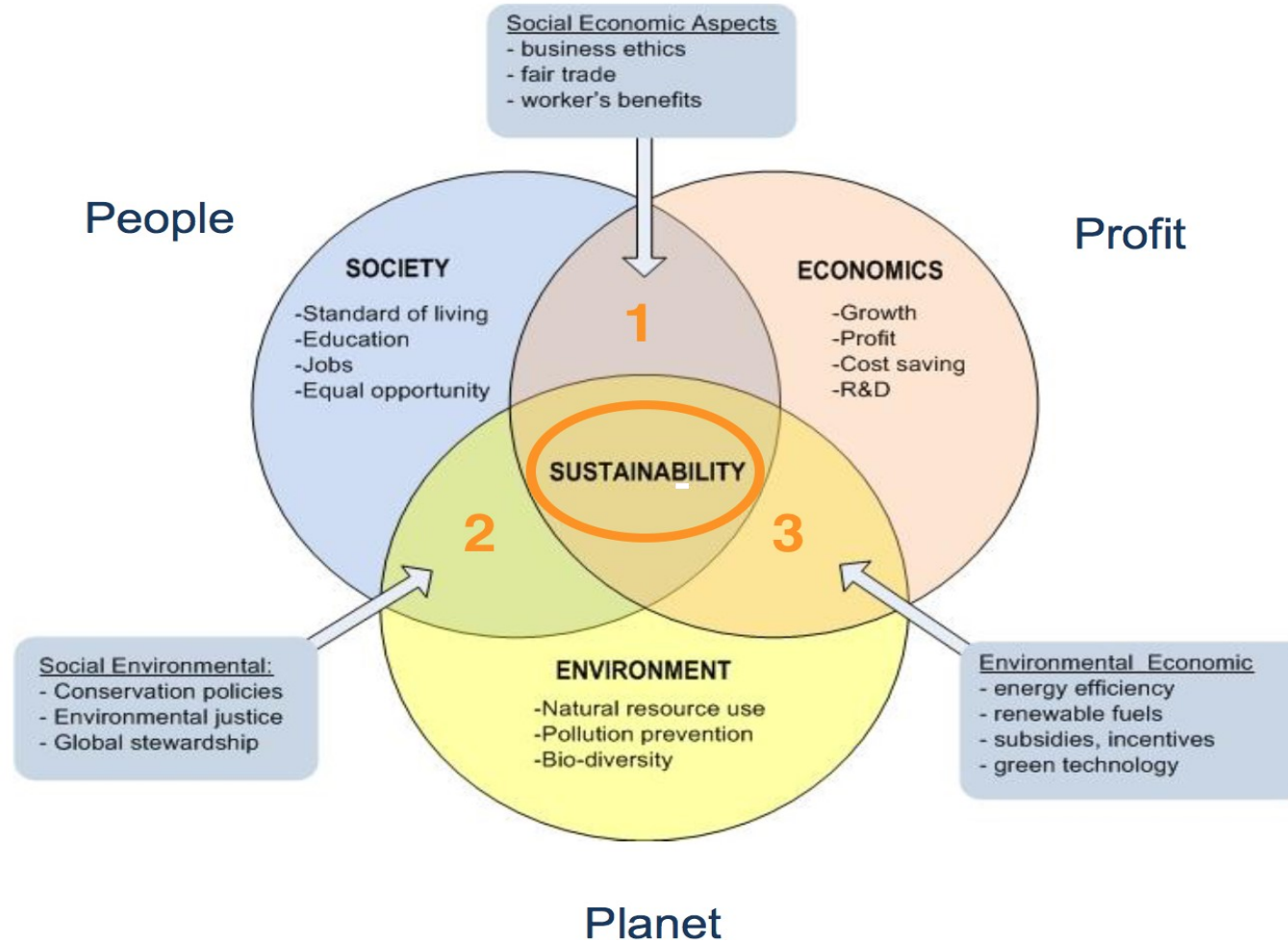
Isu dan Tantangan

Biaya perawatan kampus

Kebersihan, keindahan, dan keselamatan

Manajemen pengelolaan kampus

Kesadaran lingkungan yang bersih, sehat, aman dan berkelanjutan



■ SUSTAINABILITY

Keberlanjutan (*sustainability*) berarti memenuhi kebutuhan kita sekarang tanpa mengganggu kemampuan generasi mendatang untuk memenuhi kebutuhan mereka (Brundtland Commission 1987). Konsep ini mencakup 3 pilar: lingkungan hidup, tanggung jawab sosial, dan ekonomi.

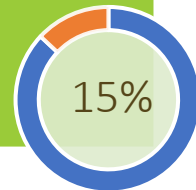
UI GreenMetric dan SDGs



Cara mewujudkan kampus lestari/hijau

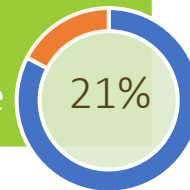
More space for greenery and in safeguarding environment, as well as the campus sustainable development budget

Setting and Infrastructure



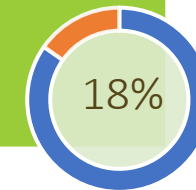
Increase the effort in using energy efficiency appliances and develop renewable energy

Energy and Climate Change



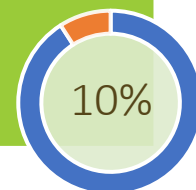
Some programs and waste treatments (i.e. recycling program, toxic waste, organic and inorganic waste, etc)

Waste



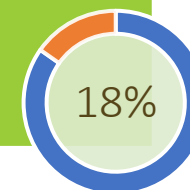
Decrease groundwater usage, increase conservation program, and protect the habitat

Water



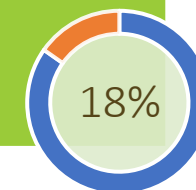
Transportation policy to limit the number of private vehicles, pedestrian

Transportation



Courses, research, publication, website, report related to green and sustainability

Education and Research



Cara mewujudkan kampus lestari/hijau

Kriteria Indikator	Setting and Infrastructure	Energy and Climate Change	Waste
1	The ratio of open space area to total area	Energy efficient appliances usage	Recycling program for university's waste
2	Total area on campus covered in forest vegetation	Smart building implementation	Program to reduce the use of paper and plastic on campus
3	Total area on campus covered in planted	Number of renewable energy sources on campus	Organic waste treatment
4	Total area on campus for water absorption besides the forest and planted	Total electricity usage divided by total campus' population	Inorganic waste treatment
5	The total open space area divided by total campus population	The ratio of renewable energy production divided by total energy usage per year	Toxic waste treatment
6	Percentage of university budget for sustainability efforts within a year	Elements of green building implementation as reflected in all construction and renovation policies	Sewage disposal
7		Greenhouse gas emission reduction program	
8		Total carbon footprint divided by total campus' population	

Cara mewujudkan kampus lestari/hijau

Kriteria Indikator	Water	Transportations	Education
1	Water conservation program & implementations	The total number of vehicles (cars and motorcycles) divided by total campus' population	The ratio of sustainability courses to total courses/subjects
2	Water recycling program implementation	Shuttle services	The ratio of sustainability research funding to total research funding
3	Water efficient appliances usage	Zero Emission Vehicles (ZEV) policy on campus	Number of scholarly publications on sustainability
4	Consumption of treated water	The total number of Zero Emission Vehicles (ZEV) divided by total campus population	Number of events related to sustainability
5		Ratio of ground parking area to total campus' area	Number of student organizations related to sustainability
6		Program to limit or decrease the parking area on campus for the last 3 years (from 2017 to 2019)	University-run sustainability website
7		Number of initiatives to decrease private vehicles on campus	Sustainability report
8		Pedestrian path on campus	

Contoh Implementasi

Best Practice - Energy and Climate Change

Energy Efficiency - Wageningen University and Research

3.1 Energy

WUR has committed itself to the third Multi-Year Agreement for Energy (MJA-3). The most important obligation arising from this Agreement is to improve energy efficiency by 30% in the period 2005-2020. This improvement of 2% per year can be achieved by reducing energy consumption, generating sustainable energy or purchasing sustainable energy generated elsewhere.

WUR will comply with the commitments which follow from the MJA-3, leading to the following results:

- The energy management implementation programme has been completed and the quality control has been embedded in the procedure.
- The measures from the 2017-2020 energy efficiency plan are being carried out, including the sustainable energy supply project for Campus Noord in Wageningen.
- The energy incentive has been rolled out. The organisational components will be made responsible for their own budgets to give insight into their energy consumption and further stimulate energy saving. Reference years have been established for PSG (2011), ASG (2013), ESG (2013), SSG (2014) and AFSG (2017).

Energy Efficiency - Wageningen University and Research



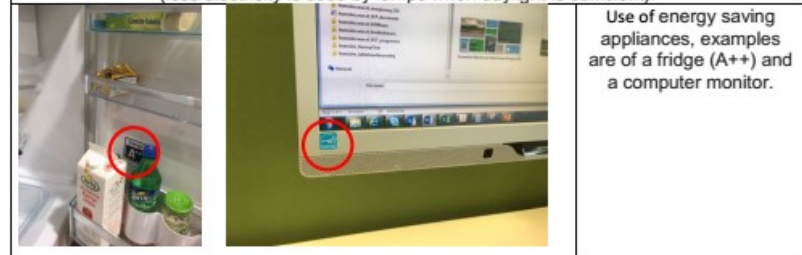
Separate freezers in laboratories in the Radix building were replaced by Polaris, a central, energy efficient, facility for freezing of research material at ultra-low temperatures. See: [central facility for freezing of research material](#).



Use of LED lighting in offices



Use of energy saving lamps with light detection (less electricity is used by lamps when daylight is sufficient).



Use of energy saving appliances, examples are of a fridge (A++) and a computer monitor.

List and Description of Smart Building Requirements

Field	Requirement	Description
B Automation	B1 BMS	Presence of Building Management System (BMS) / Building Information Modelling (BIM) / Building Automation System (BAS) / Facility Management System (FMS) (recommended requirement)
	B2 APP	Interactive support for users via APP or online service
S Safety	S1 Intruder Alarm System	Intruder alarm system (recommended: interfaced with BMS)
	S2 Fire-fighting	Fire-fighting system (recommended: interfaced with BMS)
	S3 Video surveillance	Video surveillance system (recommended: interfaced with BMS)
	S4 Anti-flooding	Anti-flooding system (recommended: interfaced with BMS)
E Energy	E1 Monitoring	Automatic acquisition and logging system of energy consumption (recommended: interfaced with BMS)
	E2 Management	Automatic management system for energy supplies and production (recommended: interfaced with BMS)
A Water	A1 Monitoring	Automatic acquisition and logging system of water consumption (recommended: interfaced with BMS)
	A2 Recovery	Rainwater recovery system for covering the flushing and irrigation
I Indoor environment	I1 Thermal comfort	Monitoring (recommended: interfaced with BMS) of environmental parameters related to thermo-hygrometric comfort (e.g. air temperature, relative humidity, air velocity, etc.)
	I2 Air quality	Monitoring (recommended: interfaced with BMS) of pollutants (e.g. VOC, PM, CO2 ...)
	I3 Real-time	Programming and management in real time according to the occupancy profile of the premises (recommended: interfaced with BMS)
	I4 Passive system	Passive cooling and/or exploitation/limitation systems for free supplies
L Lighting	L1 LEDs	High-efficiency luminaires (LEDs)
	L2 Sensors	Automatic lighting control (recommended: presence/illuminance sensors interfaced with BMS)
	L3 Shielding	Shielding adjustment and solar control
	L4 Natural light	Passive systems for natural light exploitation

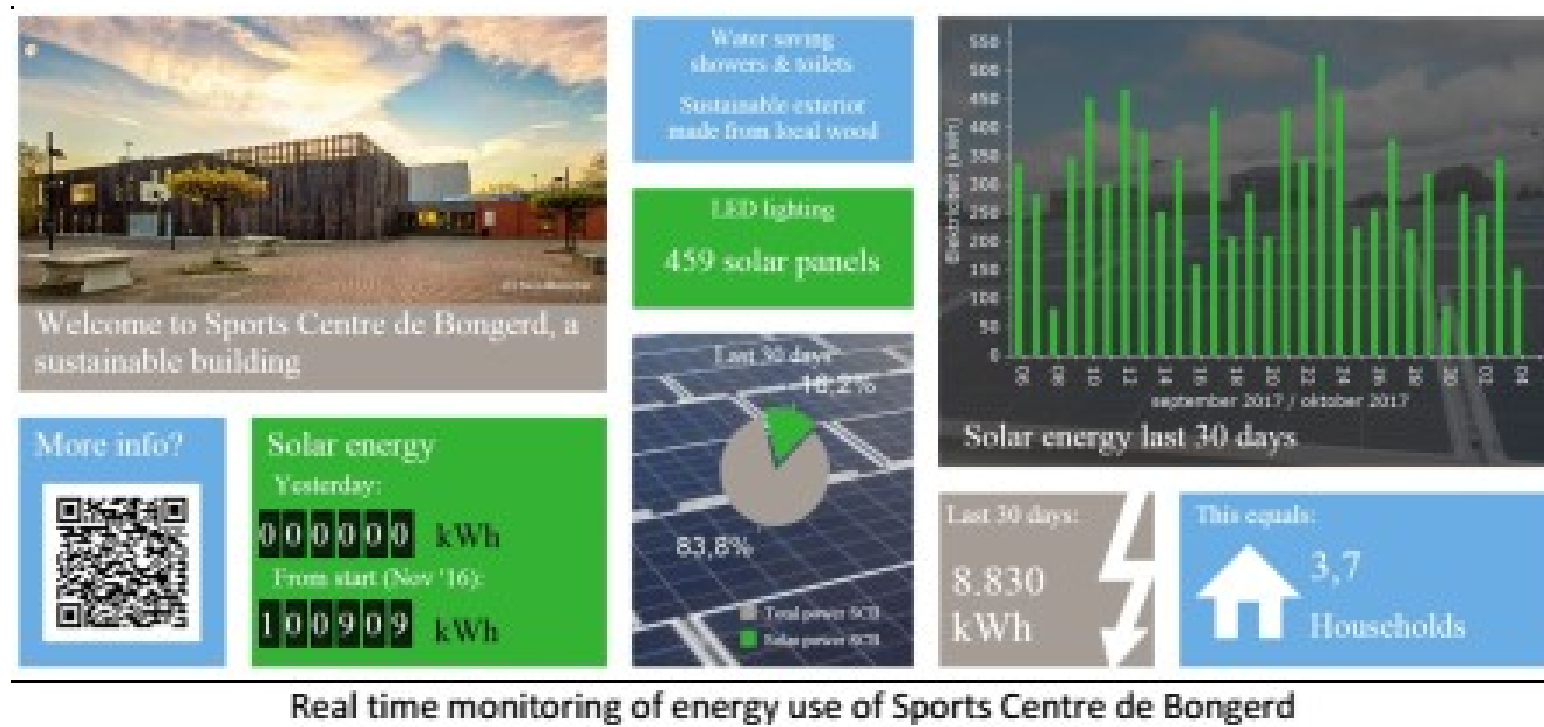
Note:

Please state the Building Management System (BMS) / Building Information Modelling (BIM) / Building Automation System (BAS) / Facility Management System (FMS) used in your university

Adapted from 'UI GreenMetric 2018: Energy and Climate Change Guidelines for Compilation', by RUS Energia, 2019.

Smart Building Requirements

Sustainable Building - Wageningen University and Research

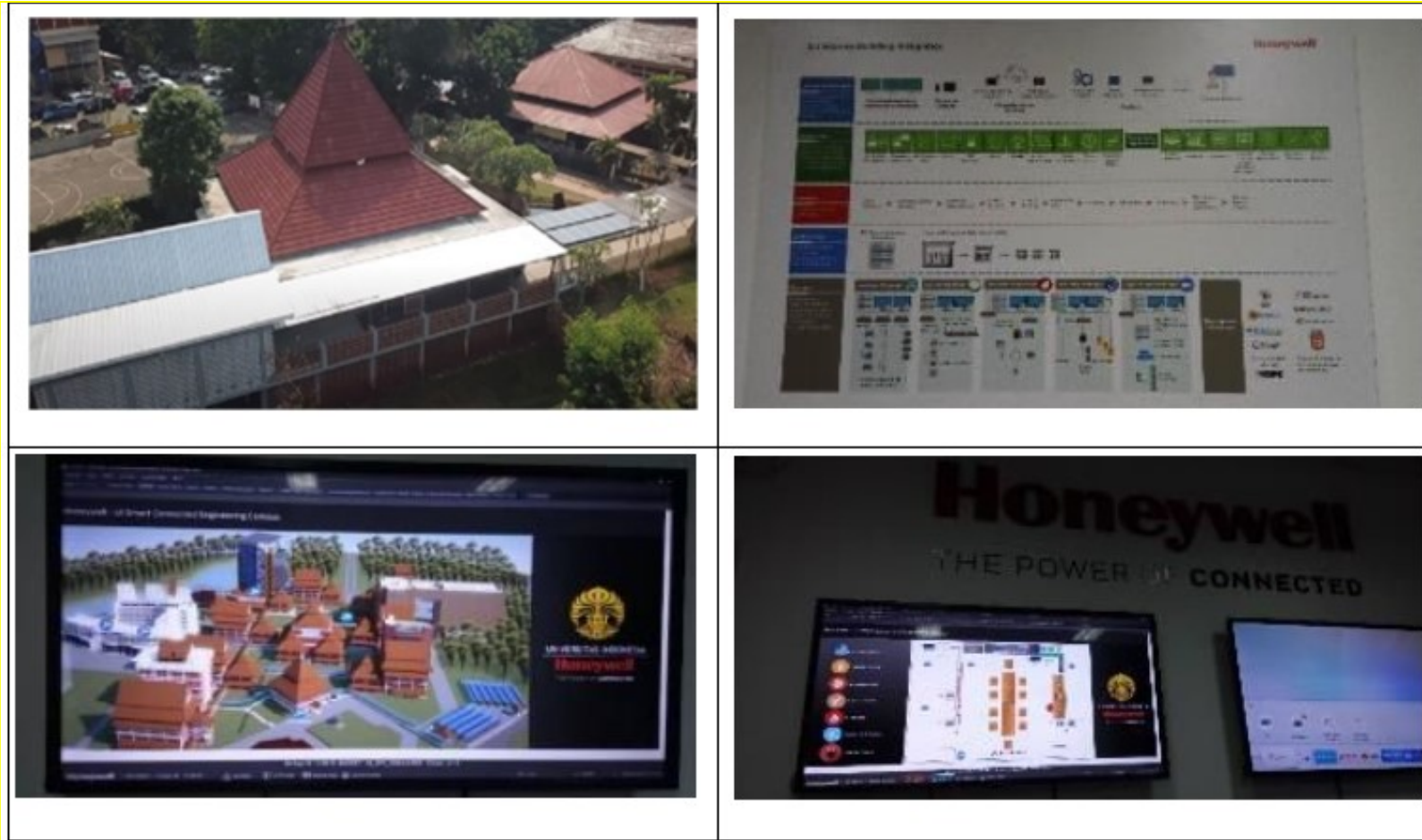


Smart Building Implementation

Fakultas Teknik Universitas Indonesia

Honeywell-UI Smart Connected Engineering Campus

Equipment utilization of SIMPEL (Sistem Monitoring Penggunaan Energi Listrik) or Monitoring System of Electrical Energy Usage that can be seen by online.



Sustainable Energy for Charging – FT UI



**Solar Power Plant of Engineering Center
Faculty of Engineering**



**Solar Power Plant of Engineering Park
Faculty of Engineering**



Clean Biomass Faculty of Engineering

Sustainable Energy for Charging - Universidad Rosario



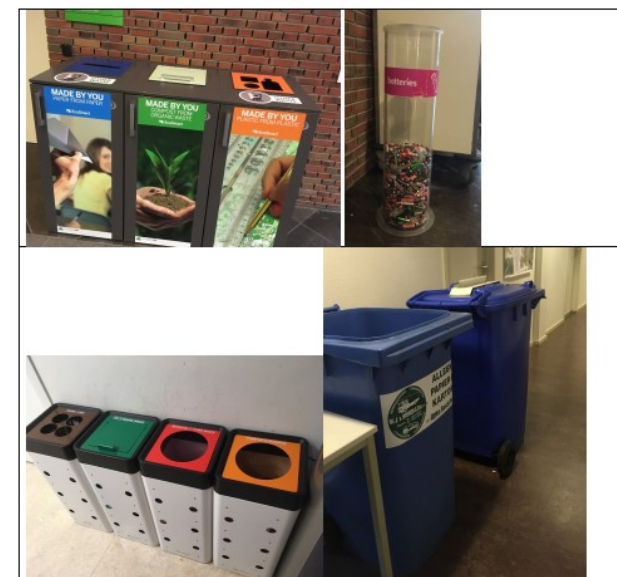
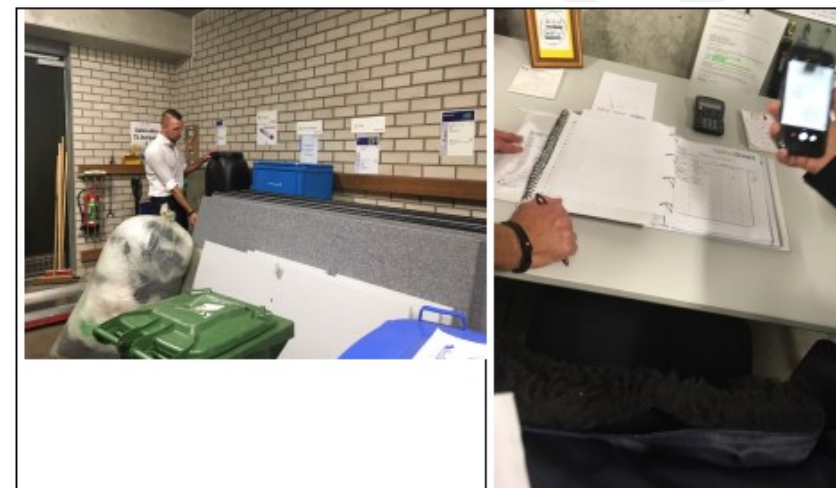
Green Building Implementation - Wageningen University & Research



Data of Composition and Processing Method– Wageningen University & Research

Composition of waste from WUR and processing method per waste flow:

Waste flow	Processing method
Residual & bulky waste	Thermal recycling (waste incineration installations with R1 status)
Old paper & cardboard	Shredding & recycling
Hazardous waste	Various processing methods: <ul style="list-style-type: none"> - Due to the health risks, specific hospital waste and animal waste material must be processed by the specialist companies Zavin (burning with energy recovery) and Rendac (destruction, production of biofuel). - Toxic waste must be burned (by specialist companies) in a rotary drum furnace (with energy recovery).
Animal waste	Destruction, production of biofuel
Garden waste/green waste/swill	Recycling (fermentation)
Glass	Recycling
Plastic	Recycling
Rubble/construction & demolition waste	Sorting & recycling
Other	Recycling



Instalasi Pengolahan Air Limbah Domestik

FT - UI



Instalasi pengolahan air limbah domestik (IPAL) tangki anaerobik dengan kapasitas 5 m³/hari sudah terpasang di Kantin Mahasiswa, terpasang di bawah tanah. Air keluaran IPAL dimanfaatkan untuk sumber air pada tanaman hias di sekitar kantin (Up Cycling)



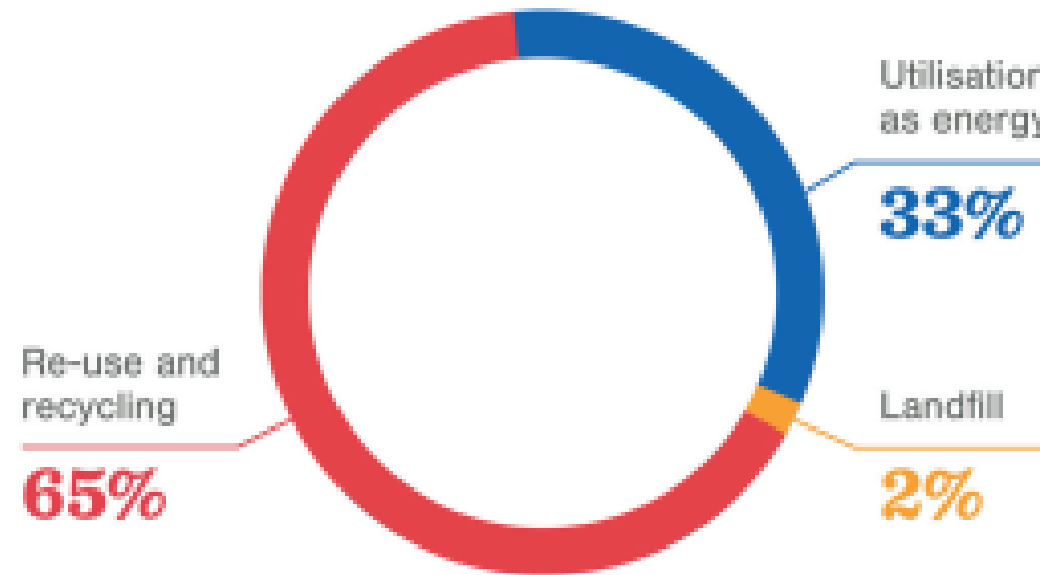
Instalasi pengolahan air limbah domestik (IPAL) dengan kapasitas 5 m³/hari sudah terpasang di Departemen Teknik Metalurgi tahun 2018 (terpasang di atas tanah) dan direncanakan akan menambah dua unit yang akan dipasang di Departemen Teknik Sipil dan Departemen Teknik Kimia. Air keluaran IPAL dialirkan ke sumur resapan dan untuk menyiram rumput. (Up Cycling)



Handling method of waste – Aalto University



Waste amounts according to handling method 2017



Waste Management - University of Zanjan



[3.1] Program to Reduce The Use of Paper and Plastic in Campus

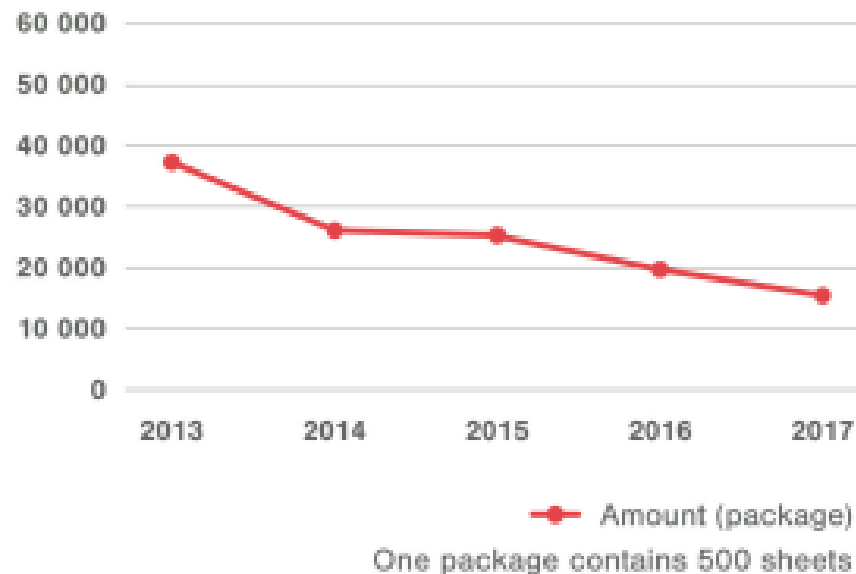
Waste management: paperless policy

Education, accommodation, Catering	Email, Databases, eBooks, e-library, discussion	Research records, E-learning, profiles	Administrative affairs

Paper Consumption – Aalto University

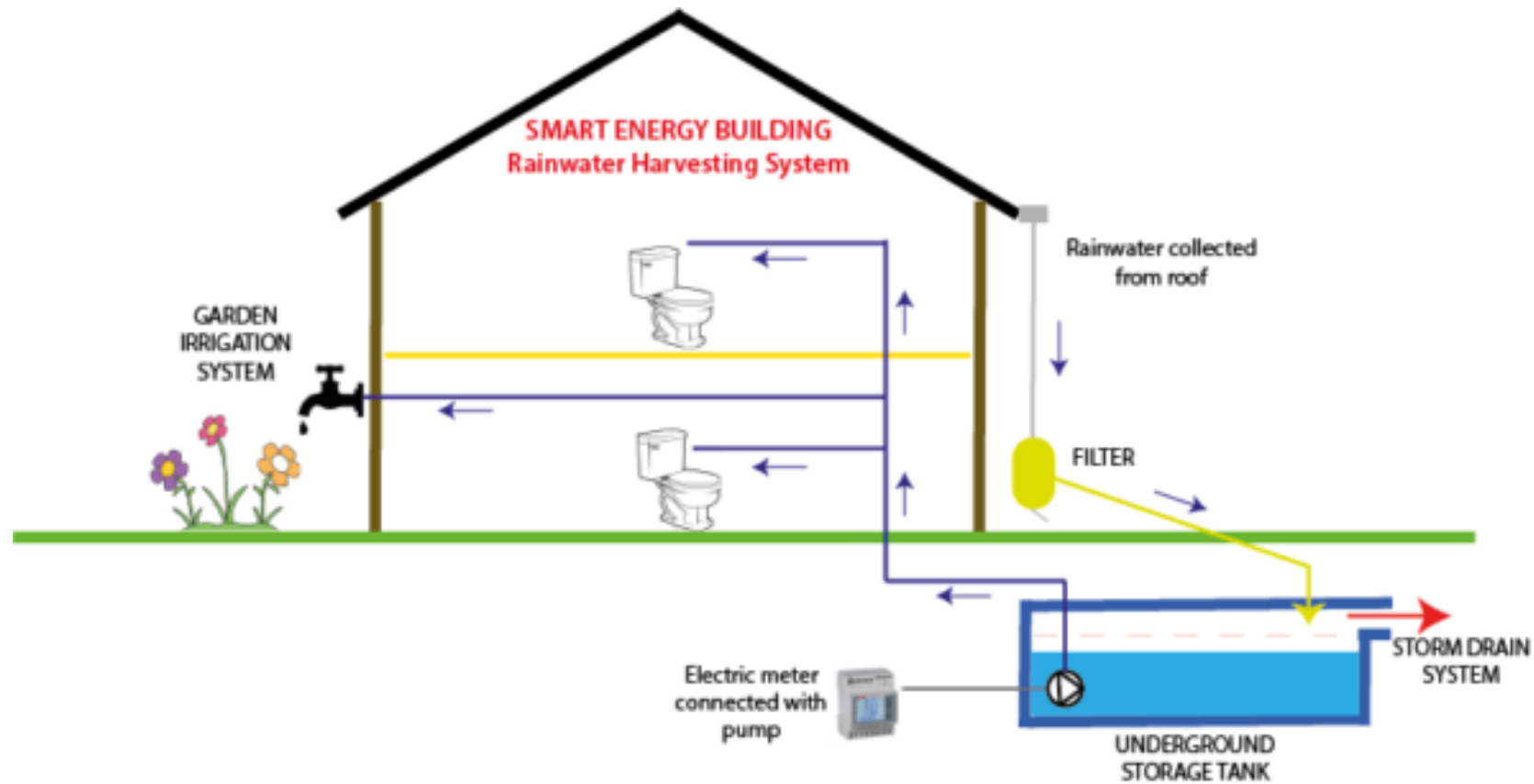
The university's service functions have continued to integrate sustainable development perspectives into their operations. A substantial change in support of sustainability is the reform implemented by IT Services in the model used for printing. The Secureprint method reduces paper consumption, facilitates multisite work and improves data security. Through active communications, Aalto strives to reach the wider community by e.g. annual observance of Earth Hour, sponsored by the World Wide Fund for Nature (WWF), and by participating in Finland's national energy saving week. Aalto University's real estate company ACRE, for its part, opened its Aalto Green Campus website in autumn 2017. In addition, the Aalto Code of Conduct was introduced during the year for everyone in the Aalto community.

Copy paper consumption



The university's service functions have continued to integrate sustainable development into their operations. The switch to Secureprint method by Aalto IT has helped reducing paper consumption.

Rainwater collection system – Università degli studi di Genova

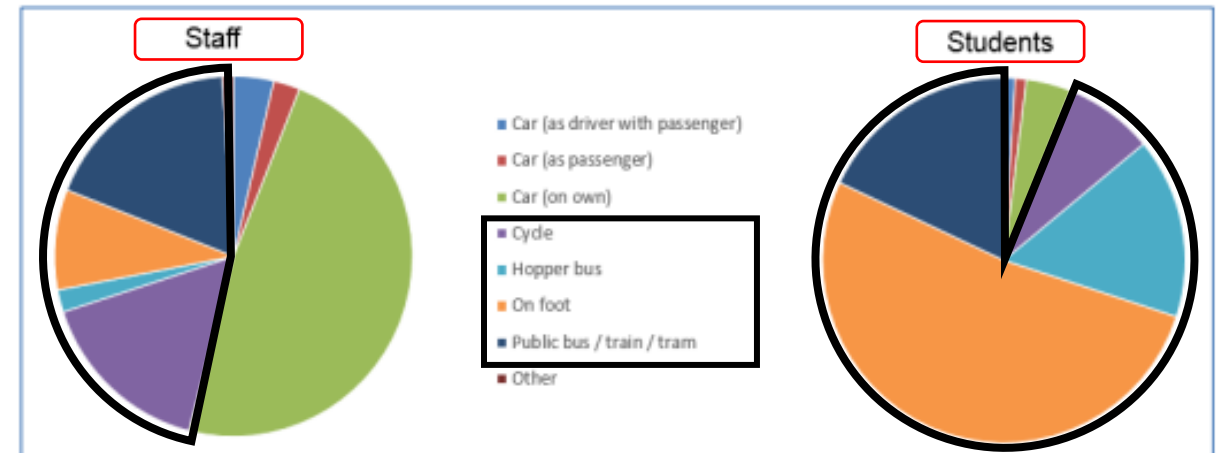


Zero Emission Vehicle – Nottingham University



Transportation – Nottingham University

- 25% of staff respondents commute on foot or by bike
- Car use continues to be the dominant mode for staff commuting to the University.
- 60% of student respondents commute on foot or by bike
- Students commuting by car on their own has decreased from 7% in 201 to 4% in 2017
- 67% of staff respondents consider they are required to travel between campuses as part of their work.
- 28% of student respondents consider they are required to travel to other campuses as part of their studies.
- 40% of student respondents travelling by public transport pay a cash fare on the day and 38% hold NCT's academic year pass
- 79% of staff respondents are aware of the University's cycle to work schemes for purchasing a bike
- 29% of respondents who are cyclists have used the free Dr Bike service
- 41% of respondents who are cyclists are aware of the Brighten Up campaign



Events related to sustainability - Wageningen University & Research

SERIOUSLY SUSTAINABLE

	Monday 28-1-18	Tuesday 29-1-18	Wednesday 31-1-18	Thursday 1-2-18	Friday 2-2-18	Saturday 3-2-18	Sunday 4-2-18
Levensdinerk (12.00 - 13.00)	Sustainability Market + kick off @ Forum/Stage	Sustainability Fair/booth @ Impulse	Modern Slavery @ Impulse	Open Ma @ Impulse	Work Yoga/Stretch relief session @ Forum (12.00)	World Food Day - Security Systems in Fair	
Afternoon		13.00 - dinner box hotels workshop @ Forum/Stage by 5050				13.00 - 14.00 second hand book sale/booth swap by 2017 and 2018 @ THUIS	14.00 Move position meeting Wageningen by 5050 @ Move B
Evening	Workshop workshop for GAN @ THUIS	Green Office reunion @ hotel	Charity open event @ Monger's Hall (19.00 onwards)	17.00 - 19.00 Alternative Energy market @ Forum/Stage	19.00 - 21.00 social sustainability workshop connecting Dutch & Syrian people @ THUIS		
		Secretary Behind the Flood @ Theaterfestival theater starts at 19.00	The Future of the United Nations - Panel discussion @ Impulse from 20.00 onwards	Green Action Network meet @ Impulse @ THUIS			



Seriously Sustainable Week: <https://www.wur.nl/en/newsarticle/Seriously-Sustainable-Week-2.htm>

GreenActive Network Wageningen

Today February 2018

Print Week Month Agenda

Sun	Mon	Tue	Wed	Thu	Fri	Sat
28	29	30	31	Feb 1	2	3
				8pm Meet and M		
4	5	6	7	8	9	10
	8am GAN Open C					
11	12	13	14	15	16	17
					2pm Info market	
18	19	20	21	22	23	24
	8am GAN Open C 12pm Food-waste 8pm Disco-Soup			7:30pm 15th Gard	12:16pm Sweater	8am Winter Regn 10am Reclaim the
25	26	27	28	Mar 1	2	3
			12pm Tickly talks		12:30pm Green Te	

Events shown in time zone: Central European Time - Brussels

Google Calendar

Sustainability Website – Mahidol University

Mahidol University
Wisdom of the Lead

POLICIES OUR PRIDES LIFESTYLE RESOURCES KNOWLEDGE SOCIETY USEFUL LINKS

MAHIDOL SUSTAINABLE UNIVERSITY

Healthy and Happy Workplace


- Setting and Infrastructure**
Master plan 2008 aimed to develop Mahidol University to be "an ideal campus" providing good atmosphere for learning and having physical structure which harmonized with society and environment.
- Energy and Climate Change**
Mahidol University has committed to increase the effort in efficient energy usage and concern about the climate change such as efficient energy appliances, renewable energy, GHG emission reductions policy, etc.
- Waste Management**
MU3R (Reduce, Reuse, Recycle) are Mahidol University's major goal to create a sustainable environment. Waste minimization and Recycling program, policy to reduce the use of paper and plastic in campus are recently applied.
- Water Management**
The reduction of water usage is one of the Corporate KPIs cascaded to every faculty, including water conservation program also applied.
- Transportation**
To promote Mahidol Green University concept, the cycling lanes and pedestrian walkway system were comprehensively developed. The parking areas were constructed and adjusted into green open spaces. The public transportation both inside and outside link are facilitated.
- Education for Green**
Mahidol University recognizes that the awareness of the environment conservation and sustainability are important. Therefore, the number of academic courses, researches, and activities related to environmental are encouraged for sustainable development.

Website is available, accessible, and updated regularly

<https://www.mahidol.ac.th/sustainable/>

How do you participate UI GreenMetric?

If your University would like to join the UI GreenMetric and have not received the invitation, you can registration via web at: <http://greenmetric.ui.ac.id/registration-page/> or contact us via email: at greenmetric@ui.ac.id



Registration form for UI GreenMetric World University Rankings 2020. The form includes fields for University Name, University Address, Rector / President name, Rector / President email, Website, Your Name, Your Position, Your Email, University related personel email (Director of Sustainability Office), and Security Code. A blue Submit button is at the bottom.

University Name *:
University Name

University Address *:
University Address

Rector / President name *:
University President

Rector / President email *:
University President Email

Website *:
University Website

Your Name *:
Contact Person

Your Position *:
Contact person Position


Your Email *:
Contact Person Email

University related personel email (Director of Sustainability Office) *:
Director Email

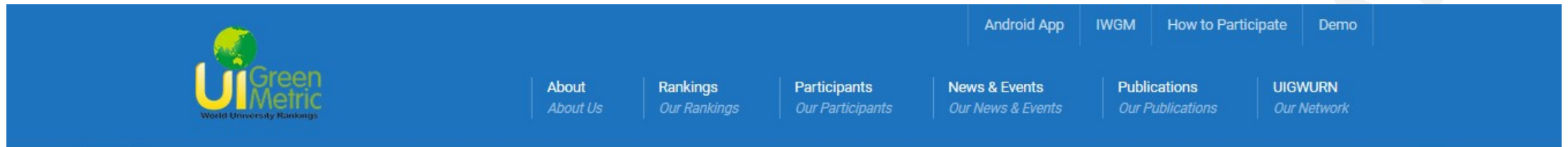
Security Code:
5 + 8 =

Submit

UI GreenMetric
World University Rankings 2020



How do you participate UI GreenMetric?



2020 UI GreenMetric World University Rankings Result



Congratulations! Top 10 Most Sustainable Universities in the World

Jakarta, 7 December 2020



for complete world ranking
<https://s.id/UIGM2020Rangking>

UI GreenMetric Questionnaire Online Questionnaire – Profile



Profile

🏠 / Profile

University Profile

Please complete information about your university

Username	<input type="text" value="demo.ac.id"/>
University's Name*	<input type="text" value="demo"/>
Rector/Leader*	<input type="text" value="demo"/>
Email*	<input type="text" value="demo@demo"/>
Website*	<input type="text" value="demo"/>
Date Establish*	<input type="text" value="01/01/1970"/>
Country of location*	<input type="text" value="Indonesia"/>
Address*	<input type="text" value="demo"/>
Latitude	<input type="text"/>
Longitude	<input type="text"/>
Region*	<input type="radio"/> Asia <input type="radio"/> Africa <input type="radio"/> Europe <input checked="" type="radio"/> South America <input type="radio"/> North America
Logo	<input type="button" value="BROWSE"/> <input type="text" value="logo_demo_ac_id.png"/>



UI GreenMetric Questionnaire Online Questionnaire – Profile

Network and Partners

Local Network

*ps: "If you could not find the networks within the list, you can add them yourself."

Regional Network

International Network (eg: ISCN, GULF, UIGWURN, other (Please Specify))

Partner (Industry, Government, Community, Education)

PIC for Green Campus Information

Please provide data of Person in charge in filling in this information.

Name of PIC*

Position of PIC*

Email of PIC*

UI GreenMetric Questionnaire Social & Economic Impact Page

UI GreenMetric



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Change Password

Social & Economic
Impact of Green Campus

Startup on Green Economy

Accessible Open Spaces

Community Services

Authentication

Log Out



Startup on Green Economy

Startup on Green Economy











University supports the start-up of the local community related to the green economy. Support can be as mentorship, training, access to university facilities, and also funding.

+ ADD UNIVERSITY STARTUP

Click to Add University
Startup

Show 100 entries



Startup Name	Homepage URL	Startup Area	Action
startup #1	website #1	Setting & Infrastructure	 
startup #2	website #2	Waste	 
startup #3	website #3	Transportation	 
startup #4	website #4	Education & Research	 
startup #5	website #5	Education & Research	 

Showing 1 to 5 of 5 entries


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Accessible Open Spaces

 / Accessible Open Spaces



University provides public access to open spaces (all open space, including land and inland bodies of water such as rivers, canals, lakes, and reservoirs) for education, sport, and recreation activities.

[+ ADD OPEN SPACES](#)

Click to Add University
Open Spaces

Show entries



Open Spaces Name	Total Area (m ²)	Duration (Hour per week)	Action
Central Park	100	90	 

Showing 1 to 1 of 1 entries

Previous **1** Next

UI GreenMetric Questionnaire Social & Economic Impact Page

UI GreenMetric



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Community Services

Community Services





University has a program as community services to improve in many sectors related sustainability such as water conservation, renewable energy, and zero plastic. The programs can be held by students, lecturers, staff, or universities.

+ ADD COMMUNITY SERVICES

Click to Add Community
Services

Show 100 entries



Community Name	Total Participant	Duration	Area	Action
Biodeversity	123	32 Weeks	Education & Research	 
Energy Village	230	3 months	Energy & Climate Change	 

Showing 1 to 2 of 2 entries

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UI GreenMetric Questionnaire

Online Questionnaire Page



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Auth



The size of
text option



Questionnaire

🏠 / Questionnaire

Important Notes

- It is possible to save a partially completed survey on the website as you may gather the data in stages. If you have not acquired the data, you can temporarily put 0 (zero) and save them as draft. This input data can be edited when you revisit the system before submitting the final data.
- Numerical data should be typed without comma or dot (example, 1000 not 1.000)
- For filling in percentage data, you can put a dot (.) for decimal number.
- Decimal number is separated by a dot (not a comma) (example: "two thousands point three" must be written as "2000.3")
- Please provide the evidence document in **.doc/.docx/.pdf** format, which should be **less than 2MB** for each question.
- You can find a template for some questions that require evidence at the end of each question.
- Please submit the latest yearly (annual) data that you have according to your 12 months data gathering schedule (e.g. for Questions 2.6, 2.8)
- All options in the questionnaire are based on the data submitted in 2019.
- Please validate the data and make sure that the numbers are correct.

LARGER TEXT



Setting & Infrastructure
(SI)

Energy & Climate
Change (EC)

Waste
(WS)

Water
(WR)

Transportation
(TR)

Education & Research
(ED)



UI GreenMetric
World University Rankings 2020

UI GreenMetric Questionnaire Online Questionnaire Page



UI GreenMetric



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(SI)

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Change (EC)

Waste
(WS)

Water
(WR)

Transportation
(TR)

Education & Research
(ED)

Question

Evidence

1.1 Type of higher
institution

Click one of the
criteria to fill each
section

1.2 Climate

Click the question
mark icon for the
detail of the
question

Comprehensive
 Specialized higher education institution

- Tropical Wet
- Tropical Wet and Dry
- Semiarid
- Arid
- Mediterranean
- Humid Subtropical
- Marine west coast / Oceanic Climate
- Humid Continental
- Subarctic

1.3 Number of campus site

30

Select New Evidence



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World University Rankings 2020

UI GreenMetric Questionnaire

Online Questionnaire Page – Setting and Infrastructure

UI GreenMetric



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1.2 ☉

Climate ?

- Tropical Wet
- Tropical Wet and Dry
- Semiarid
- Arid
- Mediterranean
- Humid Subtropical
- Marine west coast / Oceanic Climate
- Humid Continental
- Subartic

1.3 ☉

Number of campus site ?

There are two ways to check again your uploaded evidence:
1. Display uploaded evidence
2. Download uploaded evidence

1.4 ☉

Campus setting ?

- Rural
- Suburban
- Urban
- In city center
- High rise building

Upload your evidence.

Select New Evidence

*document in .doc/.docx/.pdf format, size 2MB.

Display uploaded evidence

Download uploaded evidence

Evidence template

Download evidence template.

Download uploaded evidence








Evidence template







UI GreenMetric
World University Rankings 2020

UI GreenMetric Questionnaire Online Questionnaire – Submit

UI GreenMetric  

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 -  Profile
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- Sosial & Economic Impact of Green Campus
 -  Startup on Green Economy
 -  Accessible Green Spaces
 -  Community Services
- Authentication
 -  Log Out

6.10 (ED.6)	University-run sustainability website 	<input type="radio"/> 5 - 10 <input type="radio"/> > 10 <input type="radio"/> Not available <input type="radio"/> Website in progress or under construction <input type="radio"/> Website is available and accessible <input type="radio"/> Website is available, accessible, and updated occasionally <input type="radio"/> Website is available, accessible, and updated regularly
6.11 	Sustainability website address (URL) if available 	<input type="text"/>
6.12 (ED.7)	Sustainability report 	<input type="radio"/> Not available <input type="radio"/> Sustainability report is in preparation <input type="radio"/> Available but not publicly accessible <input type="radio"/> Sustainability report is published <input type="radio"/> Sustainability report is published annually

[Select Evidence](#)

*document in .doc/.docx/.pdf format, size 2MB.

[Evidence template](#)

Terms and Conditions

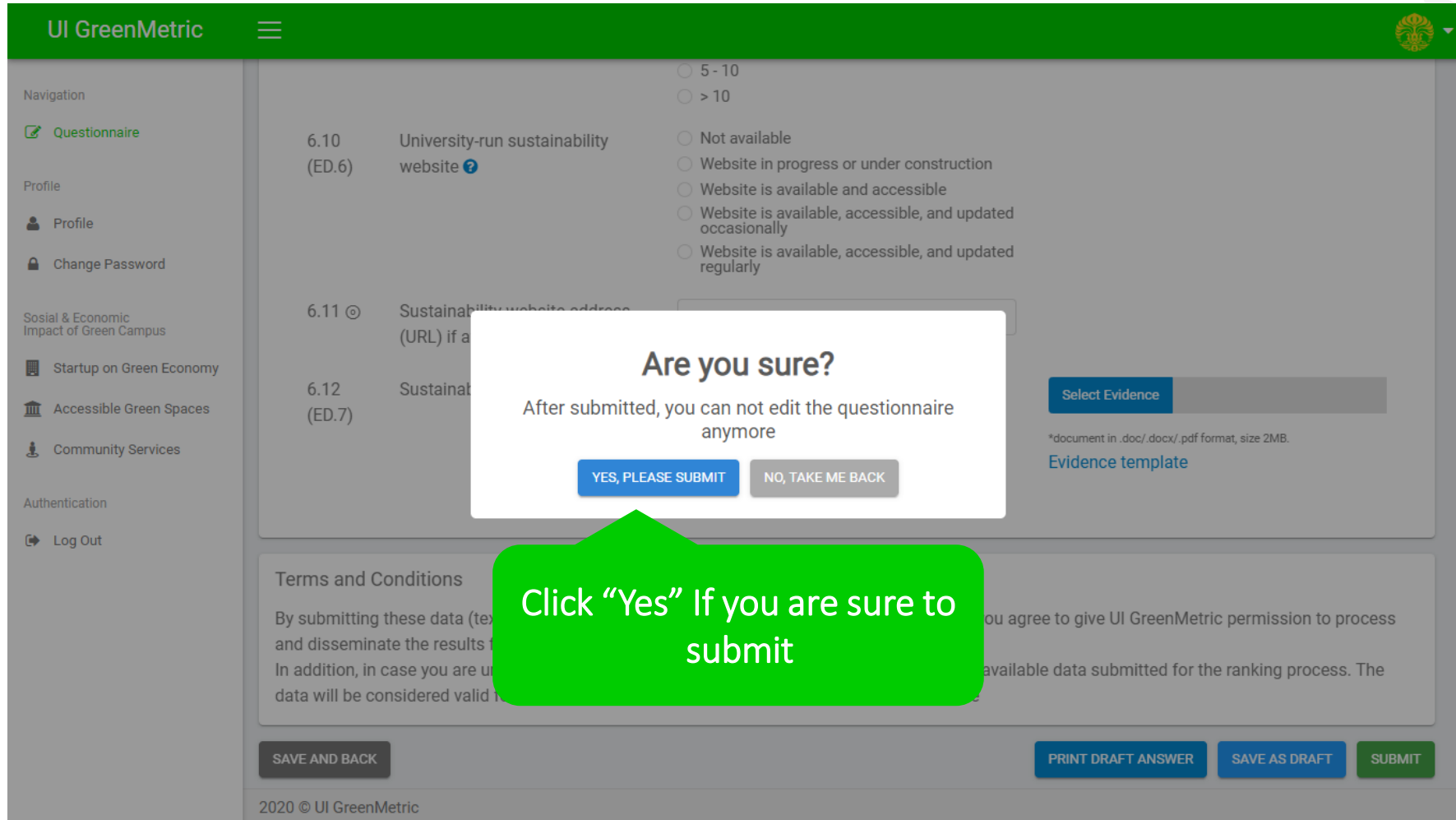
By submitting these data (texts, photos, documents and updated link of your green website), you agree to share and disseminate the results for ranking purposes only. In addition, your data will be used for research and development purposes.

[SAVE AND BACK](#) [PRINT DRAFT ANSWER](#) [SAVE AS DRAFT](#) [SUBMIT](#)

Click "Print Draft Answer" to print your answers to ask approval from your authority before you submit

Click "Save as Draft" to continue filling the data

Click "Submit" to submit your questionnaire



The screenshot shows the 'UI GreenMetric' online questionnaire submission interface. A confirmation dialog box is centered on the screen, asking 'Are you sure?' and stating 'After submitted, you can not edit the questionnaire anymore'. Below the dialog are two buttons: 'YES, PLEASE SUBMIT' and 'NO, TAKE ME BACK'. A green callout bubble points to the 'YES, PLEASE SUBMIT' button with the text 'Click "Yes" If you are sure to submit'. The background shows a questionnaire form with a sidebar menu on the left containing 'Questionnaire', 'Profile', 'Change Password', 'Startup on Green Economy', 'Accessible Green Spaces', 'Community Services', and 'Log Out'. The main form area includes a table of questions (6.10, 6.11, 6.12) and a 'Terms and Conditions' section. At the bottom, there are buttons for 'SAVE AND BACK', 'PRINT DRAFT ANSWER', 'SAVE AS DRAFT', and 'SUBMIT'.

Question ID	Question Description	Options
6.10 (ED.6)	University-run sustainability website ?	<input type="radio"/> 5 - 10 <input type="radio"/> > 10 <input type="radio"/> Not available <input type="radio"/> Website in progress or under construction <input type="radio"/> Website is available and accessible <input type="radio"/> Website is available, accessible, and updated occasionally <input type="radio"/> Website is available, accessible, and updated regularly
6.11 (ED.7)	Sustainability website address (URL) if a	<input type="text"/>
6.12 (ED.7)	Sustainab	<input type="text"/>

Are you sure?
After submitted, you can not edit the questionnaire anymore

[YES, PLEASE SUBMIT](#) [NO, TAKE ME BACK](#)

Click "Yes" If you are sure to submit

How to provide the evidence?

To support your university submission when reviewed by our validators, please observe the following guidance:

- Evidence is mandatory, except for some questions which can be uploaded.
- Lack of evidence may result in declined score.
- All evidence should comply with the template provided in the website link:
<https://s.id/UIGMEvidence2020>
- Evidence could be pictures, graphs, tables, data, etc.
- Please provide explanation in description section for the pictures submitted.
- Explanation of evidence should be in English.
- For each question provided with evidence the maximum size for evidence is 2 MB (.doc/.docx/.pdf).
- **Please note that you agree to provide UI GreenMetric rights to use your data and picture as best practices example and informational purposes.**

Put your university's logo here

Fill the data correctly

Evidence could be pictures, graphs, tables, data, etc.

Provide explanation in description section for the pictures submitted.

Add some link for an online evidence

Put your university logo here

**Template for Evidence(s)
UI GreenMetric Questionnaire**




University : ...
Country : ...
Web Address : ...

Delete this mark

[3] Waste (WS)

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

SAMPLE

	
1	2
	
3	4

Example of Program to Reduce the Use of Paper and Plastic in Campus (Mahidol University, Thailand)

Replace the data with your university's data

Description:
(Please describe the program to reduce the use of paper and plastic on your campus. The following is an example of the description. You can describe more related items if needed.)

1. Mahidol IT supports paperless system to reduce paper in daily workplace. It can reduce a lot of paper use that mean Mahidol University can reduce CO2 emissions and save the world.
2. Solutions of reusable paper in back office, e.g. using 2-side of paper, always recheck your data before print, use online system instead of hard copy.
3. Mahidol University has a policy of "Reduce Reuse plastic bag in the last 3 years. We can reduce around 3 million bags per year or reduce 90% of plastic waste in university".
"Mahidol Reduce & Reuse Plastic Bag" project is consistent with the campaign's key points of United Nations Environment Program (UNEP) this year focused its campaign on "Waste Plastic Pollution" (Beat Plastic Pollution) is the same direction around the world as "If you cannot reuse it, refuse it".

Additional evidence link:

Explanation of evidence should be in English.

How to provide the evidence?

When is the latest submission?

CALL FOR DATA SUBMISSION



UI GreenMetric World University Rankings 2021

Universities, UI GreenMetric, and SDGs in the Time of Pandemic



If you have not received the invitation, please register online at greenmetric.ui.ac.id/registration-page



<http://greenmetric.ui.ac.id/>



Useful Links

Methodology:

- UI GreenMetric World University Rankings: <http://greenmetric.ui.ac.id/methodology-new/#1560220391144-d9fde4ed-d4a8>
- UI GreenMetric guideline: http://greenmetric.ui.ac.id/wp-content/uploads/2015/07/UI_GreenMetric_Guideline_2020_English.pdf
- UI GreenMetric questionnaire: http://greenmetric.ui.ac.id/wp-content/uploads/2015/07/GreenMetric_Questionnaire_2020.pdf
- UI GreenMetric template evidence: http://greenmetric.ui.ac.id/wp-content/uploads/2015/07/UIGM_template_evidence_2020.pdf

Results:

- UI GreenMetric World University Rankings: <http://greenmetric.ui.ac.id/overall-rankings-2020/>
- UI GreenMetric University Rankings by Region: <http://greenmetric.ui.ac.id/ranking-by-region-2020/>
- UI GreenMetric University Rankings by Country: <http://greenmetric.ui.ac.id/ranking-by-country-2020/>
- UI GreenMetric University Rankings by Category: <http://greenmetric.ui.ac.id/ranking-by-category-2020/>

Network:

UI GreenMetric World University Rankings Network: <http://greenmetric.ui.ac.id/organization/>

Thank You



Ms. Sabrina H. Ramadianti

- +62-21 29120936
- greenmetric@ui.ac.id
- www.greenmetric.ui.ac.id



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