UNIVERSITAS PANCASILA

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FIKOM : 787.0451, F. Pariwisata : 788.85779, MM: 314.3966, Maksi: 787.2355, MIH : 391.9013, MTM: 319.26047
MIF : 786.4727, Prodi Kenotariatan : 7871701, Program Doktor Ilmu Ekonomi : 390.4271

Nomor : 7069/Ka.PelaksanaUIGM/UP/XII/2024 23 Desember 2024
Lampiran : 1 (satu) set dokumen
Perihal : Laporan Pengisian Borang Kuesioner UIGM 2024

Kepada Yth.
Ir. Handrito Hardjono, MM., MPA., MSM.
Wakil Rektor Bidang Adm Umum dan Keuangan
Universitas Pancasila
Jakarta

Dengan hormat,

Teriring salam dan doa, semoga Bapak dalam keadaan sehat wal afiat dalam menjalankan tugas sehari-hari.
Terkait dengan telah selesainya Pengisian Borang Kuesioner, serta pengumuman hasil pemeringkatan *UI GreenMetric World University Rankings* tahun 2024, berikut kami sampaikan Resume Peringkat Universitas Pancasila (UP) selama empat tahun terakhir yang digambarkan pada tabel berikut.

Tahun	Total Peserta	Peringkat (Internasional)	Peringkat (Nasional)	Total Nilai
2021	956	255	28	6,925
2022	1,050	255	28	7,235
2023	1,183	249	32	7,535
2024	**1,477**	**198**	**28**	**8,015**

Berdasarkan hasil Fact File Universitas Pancasila Tahun 2024, peringkat Universitas mengalami **kenaikan**, baik nilai, peringkat nasional, maupun internasional. Adapun *Fact File*, Data Isian Kuesioner, dan Sertifikat UIGM Universitas Pancasila 2024 dapat diakses pada tautan berikut: https://bit.ly/Laporan-UIGM-2024.

Demikian kami sampaikan, atas dukungan dan perkenan Bapak, kami ucapkan terima kasih banyak.

Hormat kami,

Prof. Dr. Dede Lia Zariatin, S.T., M.T.
Ketua Pelaksana

Tembusan Kepada Yth.
1. Rektor (sebagai laporan),
2. Para Wakil Rektor,
3. Sekretaris Universitas,
4. Arsip.

LAPORAN KEGIATAN

Pengisian Borang Kuesioner

UI GreenMetric (UIGM) World University Rankings

Universitas Pancasila

Tahun 2024

UNIVERSITAS PANCASILA

JAKARTA, DESEMBER 2024

A. Pendahuluan

1. Latar Belakang

UI GreenMetric World University Rankings adalah peringkat tentang kampus hijau dan keberlanjutan lingkungan yang diinisiasi oleh Universitas Indonesia pada tahun 2010. Penilaian mencakup kriteria: Penataan dan Infrastruktur (SI), Energi dan Perubahan Iklim (EC), Limbah (WS), Air (WR), Transportasi (TR), dan Pendidikan (ED). Pada tahun 2024, sebanyak 1,477 Perguruan Tinggi di 95 negara menjadi peserta UI GreenMetric World University Rankings.

2. Tema

Tema tahun ini adalah *"Instituting UI GreenMetric World University Rankings: The Way Forward"*.

3. Tujuan

Pemeringkatan ini bertujuan untuk:

1) Berkontribusi pada bidang akademik tentang keberlanjutan pendidikan dan penghijauan kampus;
2) Mempromosikan perubahan sosial yang dipimpin perguruan tinggi tentang tujuan keberlanjutan;
3) Menjadi alat penilaian diri terhadap keberlangsungan kampus bagi perguruan tinggi di seluruh dunia;
4) Menjadi penggerak perubahan tentang program *Sustainable Development Goals* (SDGs) kepada pemerintah, lembaga lingkungan serta masyarakat baik ditingkat lokal, nasional maupun internasional.

4. Luaran

Perguruan tinggi yang berpartisipasi dalam *UI GreenMetric World University Rankings* dengan mengirimkan data mereka dapat menikmati beberapa manfaat seperti internasionalisasi dan pengakuan, peningkatan kesadaran akan isu-isu keberlanjutan, perubahan sosial dan tindakan, serta perluasan jaringan dalam upaya mencapai #17 *Chapter Sustainable Development Goals* (SDGs).

B. Pelaksanaan

1. Metode Pelaksanaan & Bobot Penilaian

Metode penilaian dilakukan secara online dengan mengisi kuesioner pada tautan: https://questionnaire.greenmetric.ui.ac.id/ selambatnya tanggal 31 Oktober 2024. Total seluruh nilai yaitu 10,000 untuk 6 Kriteria. Kriteria dan bobot poin terus dimodifikasi untuk mengakomodasi pertanyaan baru. Bobot penilaian dapat dilihat pada Tabel 1 berikut:

No	Category	Percentage of Total Points (%)
1	Setting and Infrastructure (SI)	15
2	Energy and Climate Change (EC)	21
3	Waste (WS)	18
4	Water (WR)	10
5	Transportation (TR)	18
6	Education and Research (ED)	18
	TOTAL	100

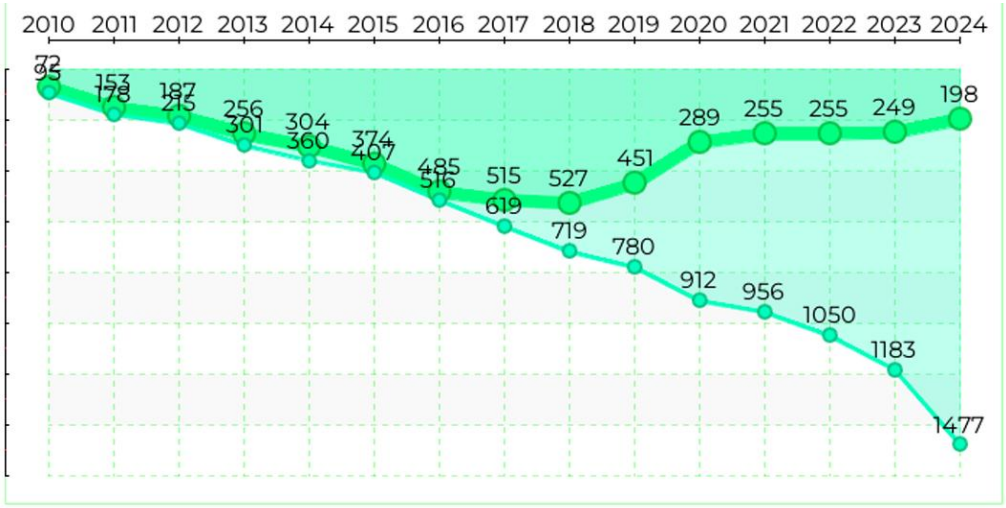
Tabel 1. Kriteria UIGM

2. Jadwal Pelaksanaan

Penerbitan SK Pelaksana : 20 Mei 2024
Identifikasi kriteria penilaian : 21 Mei – 20 Juni 2024
Pengumpulan data : 21 Juni – 20 Oktober 2024
Pengolahan data : 21 – 27 Oktober 2024
Finalisasi data : 28 – 29 Oktober 2024
Pengunggahan ke website UIGM : 30 Oktober 2024
Pengumuman Pemeringkatan : 17 Desember 2024

3. Peserta

UI GreenMetric World University Rankings telah diikuti oleh perguruan tinggi di seluruh dunia yang jumlahnya terus meningkat dari tahun ke tahun. Berikut pekembangan jumlah Perguruan Tinggi peserta *UI GreenMetric World University Rankings* sejak tahun 2010 serta posisi peringkat Universitas Pancasila hingga tahun 2024.



● = Peringkat Universitas Pancasila di dunia mulai tahun 2010 s.d. 2024
● = Jumlah perguruan tinggi peserta UIGM mulai tahun 2010 s.d. 2024

Gambar 1. Posisi Peringkat Universitas Pancasila hingga tahun 2024

C. Nilai

Estimasi nilai yang akan didapatkan oleh Universitas Pancasila pada tahun 2024 yaitu 8,015 (terlampir Fact File). Peringkat telah diumumkan secara langsung di Universitas Padjajaran pada tanggal 17 Desember 2024, dan dapat diakses melalui website: https://greenmetric.ui.ac.id/rankings/overall-rankings-2024

D. Rekomendasi Program

Adapun Rekomendasi Program yang dapat dilakukan oleh Universitas Pancasila sebagai persiapan untuk menghadapi *UI GreenMetric* tahun 2025 yaitu sebagai berikut:

1) Dibentuknya sebuah lembaga yang fokus pada pengembangan *Green Campus* dan *Sustainability Develompment Goals* (SDGs). Salah satu tugas lembaga ini adalah mengisi kuesioner UIGM, mensosialisasikan dan membuat program kegiatan serta melakukan monitoring dan evaluasi kegiatan terkait *Green Campus* dan *Sustainability Develompment Goals* (SDGs) yang dilakukan oleh Universitas Pancasila.
2) Merumuskan dan mewujudkan *Grand Design* UP menjadi kampus berkelanjutan.
3) Adanya program sosialisasi berkala mengenai SDGs kepada seluruh dosen, tenaga kependidikan, dan seluruh mahasiswa akan membangun kesadaran dan pemahaman yang lebih dalam terhadap tujuan berkelanjutan.
4) Adanya *Website Sustainability Report* UP yang memberikan *platform* untuk berbagi informasi dan pencapaian berkelanjutan kepada seluruh komunitas universitas.
5) Adanya dukungan penuh fakultas yang unggul dalam salah satu kategori UIGM (*Setting Infrastructure; Energy and Climate Change; Waste; Water; Transportation; Education and Research*) sebagai *Central of Excellent* (CoE) Universitas Pancasila. Sehingga fakultas lain dapat belajar dan menerapkan enam kategori UIGM secara berkelanjutan.
6) Meningkatkan beberapa poin lemah dari UIGM sebagai tugas bersama yang dituangkan ke dalam program wajib di seluruh fakultas, di antaranya:
    a. Penghematan energi listrik, karena poin pada EC.4 ini yang paling rendah nilainya, yaitu 5% dari nilai maksimum.
    b. Mengimplementasikan Smart Building, di antaranya adalah Building Management System (BMS), Building Information Modelling (BIM), Building Automation System (BAS), Facility Management System (FMS). Poin EC.2 terkait implementasi Smart Building baru mencapai 25% dari nilai optimal. Saat ini hanya Fakultas Teknik dan Fakultas Ekonomi yang memiliki Smart Class Room.
    c. Pengelolaan sistem parkir agar dapat mengurangi jumlah kendaraan yang masuk ke dalam kampus, karena akan mempengaruhi Total Foot Print Universitas Pancasila (EC.8) yang baru memenuhi 50% dari skor maksimum.
    d. Penambahan penggunaan peralatan listrik hemat energi, seperti dengan mengganti lampu neon dengan lampu LED dan penggunaan AC yang hemat energi. Poin EC.1 baru dicapai 75% dari nilai maksimum.
    e. Perlu penambahan panel surya untuk meningkatkan skor EC.5 yang masih pada pencapaian 75%.

f. Perlu penguatan program untuk mengurangi Green House Gas Emission, sebagai contoh adalah tidak membakar sampah (organik, non-organik dan B3), pembuatan video kampanye penggunaan transportasi publik untuk civitas akademik, pembatasan penggunaan kertas dan plastik dan pelarangan penggunaan *sterofoam*.
g. Adanya konservasi tumbuhan dan hewan, misalnya dengan menanam bahan pangan, dan kolam ikan yang dapat dikonsumsi (Poin SI.11).
h. Membuat tempat pengolahan sampah khusus Universitas Pancasila, baik organik maupun non organik (Poin WS.3 dan WS.4).
i. Adanya fasilitas air siap minum, setidaknya 3 unit di masing-masing fakultas atau tempat umum di lingkungan Universitas Pancasila (Poin WR.4).
j. Adanya kebijakan tentang atau poster tentang imbauan menggunakan transportasi umum bagi sivitas akademika UP untuk mendukung pencapaian target emisi rendah dan lingkungan yang lebih bersih (Poin TR.6 dan TR.7).

E. Penutup

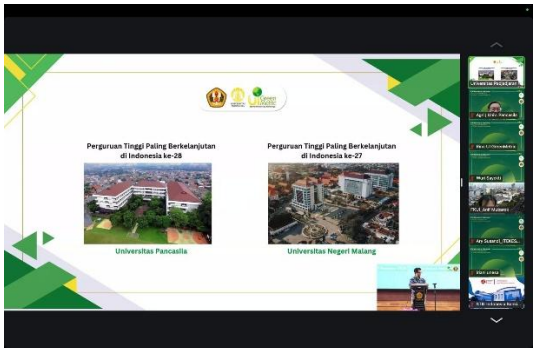
Demikian Laporan Pengisian Borang Kuesioner UIGM Universitas Pancasila tahun 2024. Atas selesainya kegiatan ini, kami ucapkan terima kasih banyak kepada Pimpinan Universitas Pancasila serta semua pihak yang telah memberikan kontribusi, sehingga kegiatan ini dapat terlaksana dengan baik.

Jakarta, 23 Desember 2024

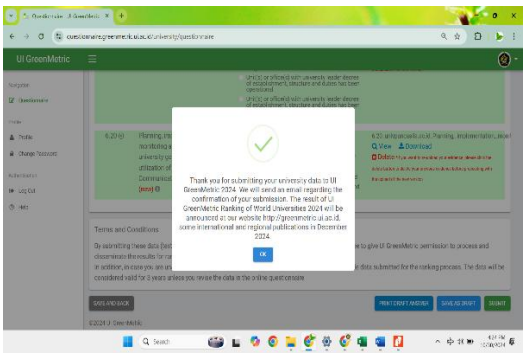
Prof. Dr. Dede Lia Zariatin, S.T., M.T.
Ketua Pelaksana

DOKUMENTASI KEGIATAN

Proses Pengumuman Peringkat



Proses Upload Borang Kuesioner



Proses Pengolahan Data

Rapat Koordinasi

Proses Pengumpulan Data

Proses Pengumpulan Data

UI GreenMetric

Integrated Laboratory and Research Center (ILRC) Building 4th Fl.
Universitas Indonesia, Kampus Baru UI Depok 16424, Indonesia
Tel. +62 21 29120936, **Email** greenmetric@ui.ac.id
greenmetric.ui.ac.id

Number : S-995/UN2.B-UIGM/OTL/04/00/2024 Depok, 16th December 2024
Subject : Appreciation and Congratulations on the 2024 UI GreenMetric Rankings

Dear Esteemed Presidents, Rectors, Vice Chancellors, and Directors

Prof. Dr. Ir. Marsudi Wahyu Kisworo, IPU.
Universitas Pancasila
Indonesia

Warm greetings from UI GreenMetric and the University of Sao Paulo!

We hope this invitation finds you well.

We extend our high appreciation for your enthusiastic participation in the 2024 UI GreenMetric World University Rankings Results and Awards Ceremony, held on December 12, 2024, from 9:00 AM to 11:30 AM (Brazil time). Hosted by the prestigious Universidade de São Paulo at the University Council Auditorium, this event marked a significant milestone in global sustainability achievements in higher education.

This year's ceremony was truly exceptional, with nearly 300 new universities joining our rankings—an inspiring testament to the growing commitment of higher education institutions worldwide to lead the charge toward a sustainable future. For a detailed press release on this momentous occasion, please visit: https://greenmetric.ui.ac.id/press-release .

The 2024 rankings celebrate the remarkable efforts of 1,477 universities from 95 countries in integrating sustainable practices into their operations and academic pursuits. We applaud the visionary strategies undertaken to transform campuses into vibrant hubs of sustainability. Attached to this email, you will find your certificate and a fact file detailing your institution's achievements.

We encourage you to share your institution's success proudly on your social media platforms. Tag us on LinkedIn (UI GreenMetric World University Rankings) and Instagram (@ui.greenmetric), and we will gladly repost your celebration.

In addition, we would kindly encourage you to take our consultation service as this will help to improve your university's transformation to be more sustainable and support UI GreenMetric activities worldwide.

On behalf of UI GreenMetric, we extend our warmest congratulations to all universities, especially those honored with awards this year. Your exemplary achievements set the standard and inspire us all to work toward a more sustainable world.

As we look ahead, we thank you for your unwavering dedication and support of the UI GreenMetric initiative. We wish you continued success in your efforts to build and manage world-class sustainable campuses. We look forward to celebrating with you again in 2025.

Yours sincerely,

Prof. Dr. Ir. Riri Fitri Sari, M.M., M.Sc.
Chairperson of UI GreenMetric
World University Rankings

UNIVERSITAS INDONESIA
Veritas, Probitas, Iustitia | Est. 1849

UI GreenMetric
World University Rankings

Certificate

This certificate is awarded to

Universitas Pancasila

as The 198th World's Most Sustainable University
in 2024 UI GreenMetric World University Rankings

12 December, 2024

UI GREENMETRIC WORLD UNIVERSITY RANKINGS

Prof. Dr. Ir. Riri Fitri Sari, M.M., M.Sc.
Chairperson of UI GreenMetric

FACT FILE 2024

UI GREENMETRIC 2024

UNIVERSITAS PANCASILA
INDONESIA

UNIVERSITAS INDONESIA
Veritas, Probitas, Iustitia | Est. 1849

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FOREWORD

Prof. Riri Fitri Sari, M.M, M.Sc
Chairperson of UI GreenMetric

It is with great pride and appreciation that we present this year's report on the global ranking of universities committed to sustainability. This year, we received submissions from 1,477 universities across 95 countries. We are encouraged to see a growing number of institutions embracing our sustainability-focused ranking system, demonstrating an increasing commitment to our shared mission. As the world's first university ranking system to emphasize sustainability, this initiative has pioneered a global movement, urging universities to lead with purpose and act as key drivers of change.

Every institution that joined us this year is a champion, signaling their commitment to transforming campuses into more sustainable and environmentally-friendly operations. Their participation not only reinforces their individual efforts but also strengthens our collective resolve toward a more sustainable future.

This year's numbers mark a significant milestone in our organization's journey. They underscore not only the enthusiasm of participating institutions but also the strength of our vision for a more sustainable future. Our ranking system goes beyond traditional benchmarking; it fosters a network of collaboration, bringing together universities from around the world. Through this platform, institutions are not merely ranked—they are united in a shared commitment to advancing sustainable development, learning from one another, and innovating together.

We hope this level of enthusiasm continues for next year's questionnaire submission, if not growing even bigger, to create a more lasting impact. We believe this collective effort is more than a movement within academia; it is a force with the power to create a multiplier effect, spreading sustainable practices and values that transcend campuses and touch the world at large. Together, we are amplifying the urgency of sustainable action and empowering universities to not only transform themselves but to make an impact beyond the academic community. By working together, we can build a brighter, more resilient future—one where universities continue to act as pivotal leaders in the journey towards sustainability

With Regards,

Prof. Riri Fitri Sari
Chairperson of UI GreenMetric

Unlock Global Recognition for Your Sustainability Efforts!

Elevate Your University's Global Impact

Global Network Reach

- Connect with 1,477+ universities
- Spanning 95 countries worldwide
- Part of world-leading sustainability network

Elevate Your University's Global Impact

Performance Excellence

- Expert sustainability consulting
- Detailed ranking trackers
- Trees Rating evaluation
- Regular performance insights
- Customized improvement strategies

Strategic Partnership

- Support UI GreenMetric global Initiatives
- Implement SDG #17 partnerships
- Access international events & workshops
- Join our sustainability leadership community

Choose Your Consultation Service

Silver

Gold

Platinum

Discover more about our service package
Visit: greenmetric.ui.ac.id

Transform your sustainability journey with UI GreenMetric

UI GreenMetric
World University Rankings

UI GREENMETRIC WORLD
UNIVERSITY RANKINGS

UNIVERSITAS PANCASILA
#198

UNIVERSITY PROFILE

NAME : UNIVERSITAS PANCASILA
EST. : 1966
COUNTRY : INDONESIA

1. VERIFIED DATA

Campus Sustainability Scores

Overall Performance
80.15 %

Total Score
8015 / 10000

80.15%

SI Setting & Infrastructure
Current: **1025** Maximum: 1500
68.33%

WR Water
Current: **950** Maximum: 1000
95.00%

EC Energy & Climate Change
Current: **1340** Maximum: 2100
63.81%

TR Transportation
Current: **1250** Maximum: 1800
69.44%

WS Waste
Current: **1650** Maximum: 1800
91.67%

ED Education & Research
Current: **1800** Maximum: 1800
100.00%

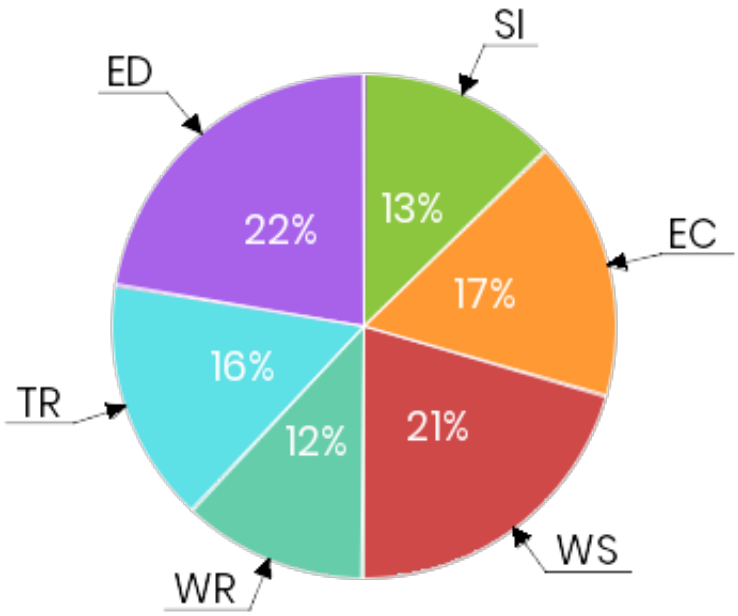

Figure 1.1 Category Score Contribution to Total Score

2. RESULTS SUMMARY

World Ranking	SI Ranking	EC Ranking	WS Ranking
198	439	536	104

WR Ranking	TR Ranking	ED Ranking
71	529	41

3. WORLD RANKINGS HISTORY

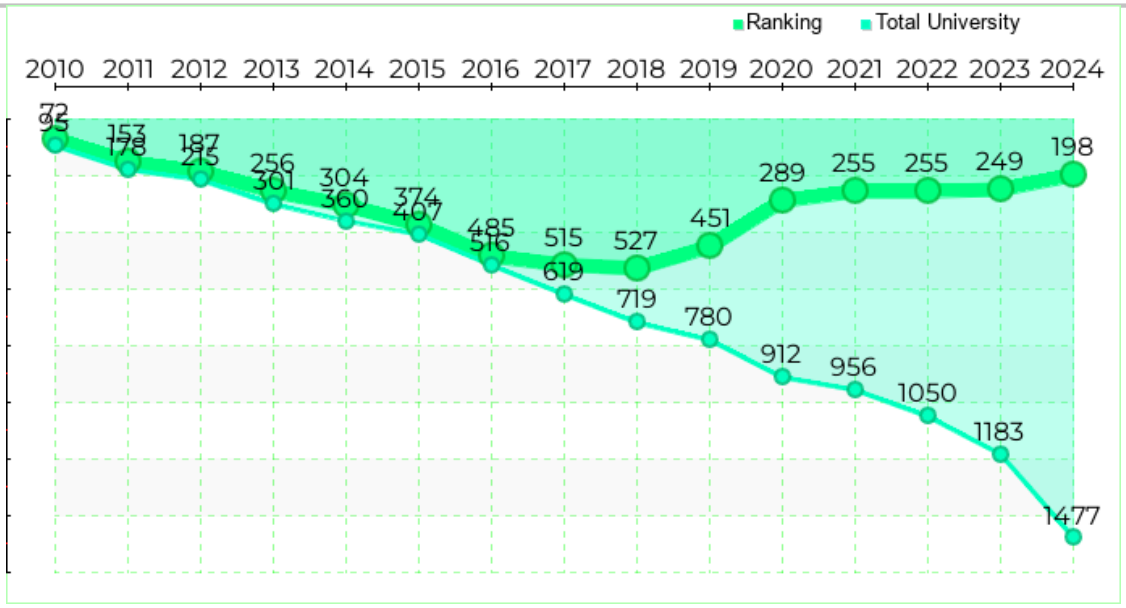

Figure 3.1 World Rankings History Diagram

4. RANKING IN INDONESIA

Country Ranking	SI Ranking	EC Ranking	WS Ranking
28	43	54	6

WR Ranking	TR Ranking	ED Ranking
5	49	13

Setting and Infrastructure

The campus setting and infrastructure information provides the basic information about the university's policy on green environment. The indicators also show whether the campus deserves to be called a Green University. The aim is to encourage the participating universities to provide more spaces for greenery and safeguard the environment

Indicator		Point
SI.1	The ratio of open space area to total area	100
SI.2	Total area on campus covered in forest vegetation	25
SI.3	Total area on campus covered in planted vegetation	200
SI.4	Total area on campus for water absorption besides the forest and planted vegetation	100
SI.5	The total open space area divided by total campus population	50
SI.6	Percentage of university budget for sustainability efforts	200
SI.7	Percentage of operation and maintenance activities of building in one year period	100
SI.8	Campus facilities for disable, special needs and/or maternity care	100
SI.9	Security and safety facilities	50
SI.10	Health infrastructure facilities for students, academics and administrative staffs' well-being	50
SI.11	Conservation: plant (flora), animal (fauna), or wildlife, genetic resources for food and agriculture secured in either medium or long-term conservation facilities	50

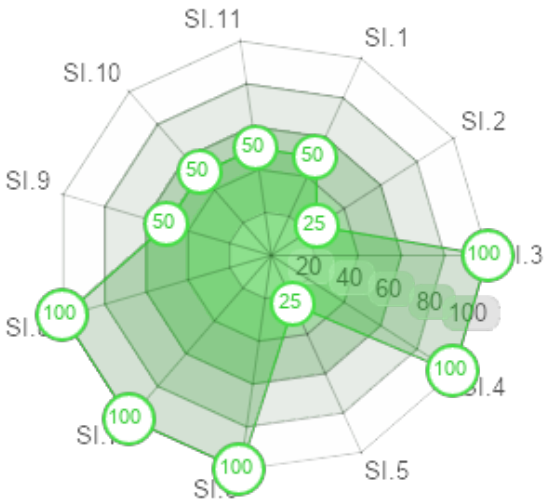

Figure 5.1 Percentage of Score to Maximum Score for Setting and Infrastructure

Energy and Climate Change

The university's attention to the use of energy and climate change issues has the highest score in this ranking. In our questionnaire, we define several indicators for this area of concern, i.e., energy-efficient appliances usage, the implementation of smart buildings/automation buildings/intelligent buildings, renewable energy usage policy, total electricity usage, energy conservation programs, elements of green buildings, climate change adaptation and mitigation programs, greenhouse gas emission reductions policy, and carbon footprint. Within these indicators, the universities are expected to increase their efforts in energy efficiency in their buildings and to care more about nature and alternative energy resources.

Indicator		Point
EC.1	Energy efficient appliances usage	150
EC.2	Smart building implementation	75
EC.3	Number of renewable energy sources on campus	300
EC.4	Total electricity usage divided by total campus' population	15
EC.5	The ratio of renewable energy production divided by total energy usage per year	150
EC.6	Elements of green building implementation as reflected in all construction and renovation policies	200
EC.7	Greenhouse gas emission reduction program	150
EC.8	Total carbon footprint divided by total campus' population	100
EC.9	Number of innovative program(s) in energy and climate change	100
EC.10	Impactful university program(s) on climate change	100

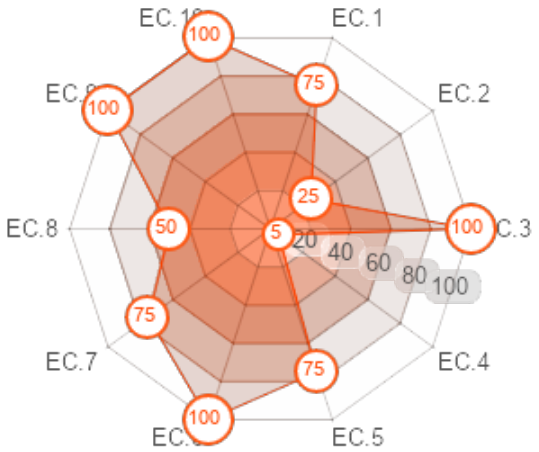

Figure 5.2 Percentage of Score to Maximum Score for Energy and Climate Change

Waste

Waste treatment and recycling activities are major factors in creating a sustainable environment. The activities of university staff, students, and communities around university produce a lot of waste; therefore, some recycling and waste treatments programs should be among the concern of the university, i.e., 3R (Reduce, Reuse, Recycle) program, organic waste treatment, inorganic waste treatment, toxic waste recycling, sewage disposal, policies to reduce the use of paper and plastic on campus.

Indicator		Point
WS.1	3R (Reduce, Reuse, Recycle) program for university's waste	225
WS.2	Program to reduce the use of paper and plastic on campus	300
WS.3	Organic waste treatment	300
WS.4	Inorganic waste treatment	300
WS.5	Toxic waste treatment	300
WS.6	Sewage disposal	225

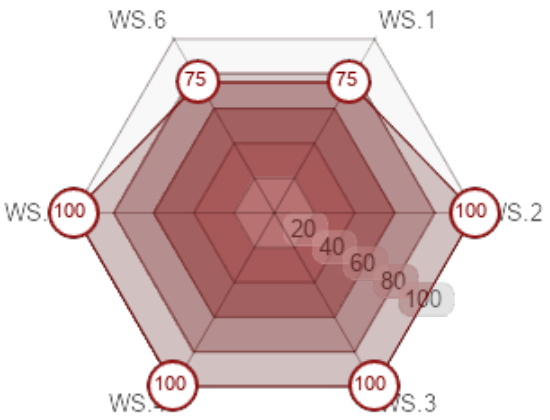

Figure 5.3 Percentage of Score to Maximum Score for Waste

Water

Water usage at university is another important criterion in the UI GreenMetric. The aims are to encourage universities to decrease groundwater usage, increase water conservation programs, and protect habitats. Water conservation programs, water recycling programs, water-efficient appliances usage, and treated water usage are among the criteria

Indicator		Point
WR.1	Water conservation program & implementations	200
WR.2	Water recycling program implementation	150
WR.3	Water efficient appliances usage	200
WR.4	Consumption of treated water	200
WR.5	Water pollution control in the campus area	200

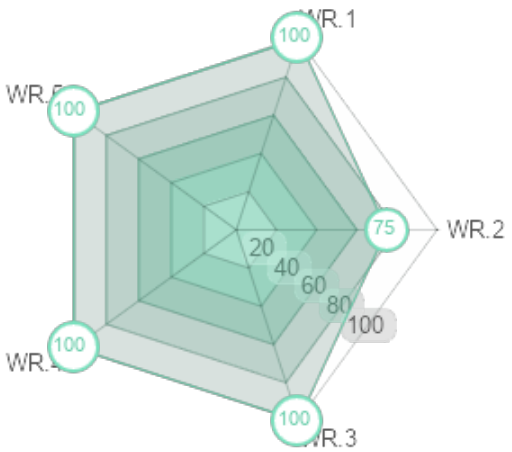

Figure 5.4 Percentage of Score to Maximum Score for Water

Transportation

Transportation systems play an important role in carbon emission and pollutant levels at universities. Transportation policies that limit the number of motor vehicles on campus and encourage the use of campus buses, shared vehicles, and zero emission vehicles (i.e. bicycles, electric cars, electric motorcycles, canoes, snowboards, etc.) will encourage a healthier environment. The pedestrian policy encourages students and staff to walk around campus and minimize the use of private vehicles. The use of environmentally friendly public transportation will decrease the carbon footprint around campus.

Indicator		Point
TR.1	The total number of vehicles (cars and motorcycles) divided by total campus' population	50
TR.2	Shuttle services	150
TR.3	Zero Emission Vehicles (ZEV) availability on campus	200
TR.4	The total number of Zero Emission Vehicles (ZEV) divided by total campus population	50
TR.5	Ratio of the ground parking area to the total campus area	100
TR.6	Program to limit or decrease the parking area on campus for the last 3 years	200
TR.7	Number of initiatives to decrease private vehicles on campus	200
TR.8	The pedestrian path on campus	300

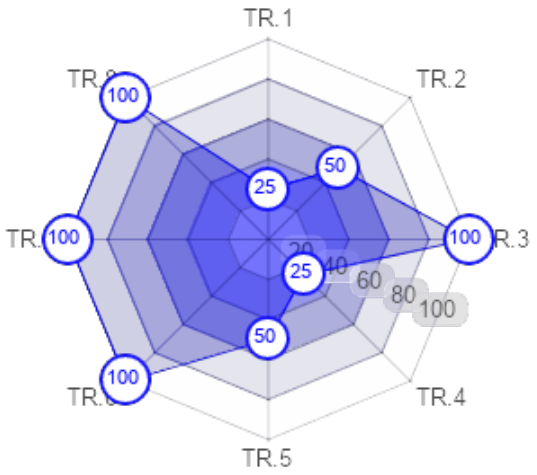

Figure 5.5 Percentage of Score to Maximum Score for Transportation

Education & Research

The university's education and research information provide basic information about the university's policies and actions in creating and supporting their students, academic and non-academic staff with sustainability awareness. This criterion also encourages universities to report their sustainability activities, strategies, and targets to their stakeholders.

Indicator		Point
ED.1	The ratio of sustainability courses to total courses/subjects	300
ED.2	The ratio of sustainability research funding to total research funding	200
ED.3	Number of scholarly publications on sustainability	200
ED.4	Number of events related to sustainability (environment)	200
ED.5	Number of activities organized by student organizations related to sustainability per year	200
ED.6	University-run sustainability website	200
ED.7	Sustainability report	100
ED.8	Number of cultural activities on campus	100
ED.9	Number of university sustainability program(s) with international collaborations	100
ED.10	Number of community services related to sustainability organized by university and involving students	100
ED.11	Number of sustainability-related startups	100

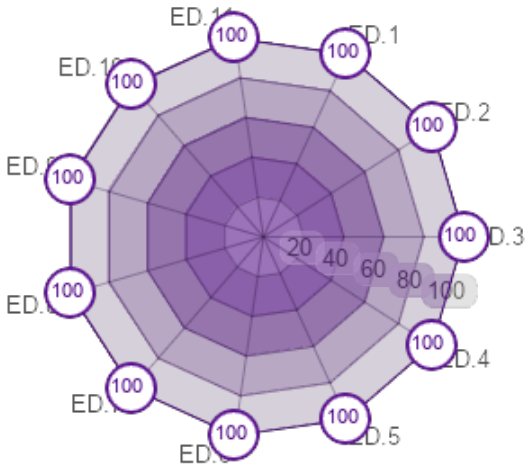

Figure 5.6 Percentage of Score to Maximum Score for Education

UI GREENMETRIC WORLD UNIVERSITY RANKINGS

About UI GreenMetric

UI GreenMetric World University Rankings is an annual publication of university rankings on sustainability. It is an initiative from the University of Indonesia that ranks universities around the world based on their commitment and actions towards sustainability. UI GreenMetric World University Rankings aims to increase university awareness

History

UI GreenMetric World University Rankings is a non-profit initiative of University of Indonesia developed since 2010.

In 2009 the University of Indonesia hosted an International Conference on World University Rankings. The conference was attended by World University rankers such as Webometrics, HEEACT, and others. In 2010, Prof. Dr. Gumilar Rusliwa Somantri as Rector of the University of Indonesia at that time-initiated UI GreenMetric World University Rankings and appointed Prof. Riri Fitri Sari as the chairperson. Soon a team consisting of Junaidi, Budi Hartono, Allan Lauder, and Prof. Dr. Ir. Gunawan Tjahjono formulated UI GreenMetric Questionnaire and introduced UI Ranking to the world. In 2011, 11 new indicators in 5 categories have been added. Subsequently Education has been added as a new category in 2012. By the year 2015, a massive improvement was introduced including carbon footprint and a more systematic data collection. In 2016 an online based review and validation system has been set for the assessors.

UI GreenMetric took Policy into Action in 2016; Global Partnership for Sustainable Future in 2017; Universities, Impacts, and Sustainable Development Goals (SDGs) in 2018; Sustainable University in a Changing World: Lessons, Challenges and Opportunities in 2019; Universities' Responsibility for Sustainable Development Goals and World's Complex Challenges in 2020; Universities, UI GreenMetric, and SDGs in the Time of Pandemic in 2021;Collective Actions for Transforming Sustainable Universities in the Post-Pandemic Time in 2022; and Innovation, Impacts and Future Direction of Sustainable Universities in 2023 as its annual themes. In 2024, 1477 universities from 95 countries participate in the rankings.

To reach and coordinate more participating universities, UI GWURN was established in 2017 with a national coordinator in each country. To make it work, Junaidi formulated strategic framework for the network. Currently, there are 39 national coordinators in Asia, America, Africa and Europe. Each voluntarily organizes national workshop inviting other universities in their country. Since its establishment in 2010, it has been increasingly recognized as the first and only universities ranking on sustainability and has been used by participating universities to benchmark and do continuous improvement in the area of sustainability.

Table 1. UI GreenMetric Timeline

UI GREENMETRIC TIMELINE	
2010	UI GreenMetric published for 95 Universities
2011	UI GreenMetric added 11 new indicators within 5 categories
2012	Education became one of the categories
2015	Education became one of the categories
2016	Focusing on university action toward sustainability
2017	UIGWURN established
2018	Focusing on SGDs and enlargement of memberships
2019	Improving questionnaire and data collection method
2020	Three new questions on social and economic impacts
2021	Introducing social, cultural, economic, and pandemic aspects in the questionnaire
2022	Adding an indicator related to water pollution and adjusting related to the current pandemic condition
2023	Adding an indicator related to 3R waste program, student organization activities and international collaboration
2024	Indicator adjustments and new indicators related to utilizing ICT

As a member of IREG, more activities and collaboration among participating universities are expected to achieve our common goal: sustainable university for sustainable future. UI GreenMetric itself developed its own ranking system by studying other ranking systems such as: The Times Higher Education World University Rankings (THE) sponsored by Thompson Reuters, the QS World University Rankings, the Academic Ranking of World Universities (ARWU) published by Shanghai Jiao Tong University (SJTU), and the Webometrics Ranking of World Universities (Webometrics), published by Cybermetrics Lab, CINDOC-CSIC in Spain.

Methodology

UI GreenMetric collects data through an online questionnaire. All participants answered some questions for some period. After that, UI GreenMetric expert members and reviewers validate the answers based on the evidence that participants provide. This year's categories and weighting of points are shown as follows. The specific indicators and their points awarded are shown in Table 3. Each indicator has been uniquely identified by a category code and a number (e.g., SI 5).

In our list, universities with the same total score will be ranked according to the highest weighted indicators, i.e firstly based on its Energy and Climate Change (EC) score, then based on the total score for Waste (WS), Transportation (TR), Education (ED). Subsequently it will be based on its Setting and Infrastructure (SI) score, and last will depend on its Water (WR) score.

Table 2. Categories used in the ranking and their weighting

No	Category	Percentage of Total Points (%)
1	Setting and Infrastructure (SI)	15%
2	Energy and Climate Change (EC)	21%
3	Waste (WS)	18%
4	Water (WR)	10%
5	Transportation (TR)	18%
6	Education and Research (ED)	18%

The specific indicators and their points awarded are shown in Table 3. Each indicator has been uniquely identified by a category code and a number (e.g., SI 5).

Table 3 Indicators and categories

No	Criteria	Point
1	**Setting and Infrastructure (SI)**	
SI1	The ratio of open space area to total area	200
SI2	Total area on campus covered in forest vegetation	100
SI3	Total area on campus covered in planted vegetation	200
SI4	Total area on campus for water absorption besides the forest and planted vegetation	100
SI5	The total open space area divided by total campus population	200
SI6	Percentage of university budget for sustainability efforts	200
SI7	Percentage of operation and maintenance activities of building in one year period	100
SI8	Campus facilities for disable, special needs and/or maternity care	100
SI9	Security and safety facilities	100
SI10	Health infrastructure facilities for students, academics and administrative staffs' well-being	100
SI11	Conservation: plant (flora), animal (fauna), or wildlife, genetic resources for food and agriculture secured in either medium or long-term conservation facilities	100
	Total	**1500**
2	**Energy and Climate Change (EC)**	
EC1	Energy efficient appliances usage	200
EC2	Smart building implementation	300
EC3	Number of renewable energy sources on campus	300
EC4	Total electricity usage divided by total campus' population (kWh per person)	300
EC5	The ratio of renewable energy production divided by total energy usage per year	200
EC6	Elements of green building implementation as reflected in all construction and renovation policies	200
EC7	Greenhouse gas emission reduction program	200
EC8	Total carbon footprint divided by total campus' population (metric tons per person)	200

EC9	Number of innovative program(s) in energy and climate change	100
EC10	Impactful university program(s) on climate change	100
	Total	**2100**
3	**Waste (WS)**	
WS1	3R (Reduce, Reuse, Recycle) program for university's waste	300
WS2	Program to reduce the use of paper and plastic on campus	300
WS3	Organic waste treatment	300
WS4	Inorganic waste treatment	300
WS5	Toxic waste treatment	300
WS6	Sewage disposal	300
	Total	**1800**
4	**Water (WR)**	
WR1	Water conservation program & implementations	200
WR2	Water recycling program implementation	200
WR3	Water efficient appliances usage	200
WR4	Consumption of treated water	200
WR5	Water pollution control in the campus area	200
	Total	**1000**
5	**Transportation (TR)**	
TR1	The total number of vehicles (cars and motorcycles) divided by total campus' population	200
TR2	Shuttle services	300
TR3	Zero Emission Vehicles (ZEV) availability on campus	200
TR4	The total number of Zero Emission Vehicles (ZEV) divided by total campus population	200
TR5	Ratio of the ground parking area to the total campus area	200
TR6	Program to limit or decrease the parking area on campus for the last 3 years (from 2021 to 2023)	200
TR7	Number of initiatives to decrease private vehicles on campus	200
TR8	The pedestrian path on campus	300
	Total	**1800**
6	**Education and Research (ED)**	
ED1	The ratio of sustainability courses to total courses/subjects	300
ED2	The ratio of sustainability research funding to total research funding	200
ED3	Number of scholarly publications on sustainability	200
ED4	Number of events related to sustainability (environment)	200
ED5	Number of activities organized by student organizations related to sustainability per year	200
ED6	University-run sustainability website	200
ED7	Sustainability report	100
ED8	Number of cultural activities on campus (e.g.Cultural Festival)	100
ED9	Number of university sustainability program(s) with international collaborations	100
ED10	Number of community services related to sustainability organized by university and involving students	100
ED11	Number of sustainability-related startups	100
	Total	**1800**

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UI GreenMetric
World University Rankings

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Questionnaire Data

University Profile

Username : univpancasila.ac.id

University Name : Universitas Pancasila

University Leader : Rector: Prof. Dr. Ir. Marsudi Wahyu Kisworo, IPU.

PIC Profile

PIC Name : Ir. Handrito Hardjono, MM., MPA., MSM.

PIC Position : Vice Rector for Administration and General Affairs

Email : greencampus@univpancasila.ac.id

Setting and Infrastructure

Question		Answer
1.1()	Type of higher education institution	[1] **Comprehensive**
1.2()	Climate	[2] **Tropical Wet and Dry**
1.3()	Number of campus site	2
1.4()	Campus setting	[3] **Urban**
1.5()	Total campus area (m^2)	121415
1.6()	Total campus ground floor area of buildings (m^2)	22426.11
1.7()	Total campus buildings area (m^2)	62985.07
1.8(SI.1)	The ratio of open space to total area.	[3] **> 80 - 90%**
1.9(SI.2)	Total area on campus covered in forest vegetation (please provide total area in square meters)	[2] **> 2 - 9%**: **3.04 m2**
1.10(SI.3)	Total area on campus covered in planted vegetation (please provide total area in square meters)	[5] **> 40%**: **51.6 m2**
1.11(SI.4)	Total area on campus for water absorption besided forest and planted vegetation (please provide total area in square meters)	[5] **> 30%**: **40.1 m2**
1.12()	Total number of regular students (part time and full time)	8893
1.13()	Total number of online students (part time and full time)	275

1.14()	Total number of academic and administrative staff	866
1.15(SI.5)	The total open space area divided by total campus population.	[2] **> 10 – 20 m2 / person**
1.16()	Total university's budget (in US Dollars)	19,653,703.49
1.17()	University's budget for sustainability effort (in US Dollars)	4,141,724.10
1.18(SI.6)	Percentage of University's budget for sustainability effort	[5] **> 15%**
1.19(SI.7)	Percentage of operation and maintenance activities of building in one year period	[5] **100%**
1.20(SI.8)	Campus facilities for disable and maternity care	[5] **Facilities exist in all buildings and are fully operated**
1.21(SI.9)	Security and safety facilites	[3] **Security infrastructure (CCTV, emergency hotline/button, personnel, fire extinguisher, hydrant) available and fully function**
1.22(SI.10)	Health infrastructure facilities for students and academic and administrative staff wellbeing	[3] **Health infrastructure (first aid, emergency room, clinic and certified personel) available**
1.23(SI.11)	Conservation: plant (flora), animal (fauna), and wildlife, genetic resources for food and agriculture secured in either medium or long-term conservation facilities	[3] **Conservation program > 25-50% implemented**
1.24()	Planning, implementation, monitoring and/or evaluation of all programs related to Setting and Infrastructure through the utilization of Information and Communication Technology (ICT)	[5] **Program has been implemented, evaluated, and is currently revised**

Energy and Climate Change

Question		Answer
2.1(EC.1)	Energy efficient appliances usage	[4] **> 50 - 75%**
2.2()	Total campus smart building area (m^2)	6,404
2.3(EC.2)	Smart Building implementation (percentage of the total floor area of smart building to the total all floors building area (smart and non-smart buildings area).	[2] **1% - 25%**
2.4(EC.3)	Number of renewable energy sources in campus (solar power, bio	[5] **> 3 sources**

	diesel, wind power, etc)	
2.5()	Renewable energy sources and their amount of the energy produced (in kilowatt-hour)	[2] **Bio Diesel**: **60 kWh** [3] **Clean Biomass**: **3 kWh** [4] **Solar Power**: **15 kWh** [8] **Combine Heat and Power**: **4 kWh**
2.6()	Electricity usage per year (in kilo watt hour)	3,730,603.77
2.7(EC.4)	The total electricity usage divided by total campus population (kWh per person).	[1] **>=2424 kWh**
2.8(EC.5)	The ratio of renewable energy production divided by total energy usage per year	[4] **> 2 - 25%**
2.9(EC.6)	Elements of green building implementation as reflected in all construction and renovation policies	[5] **> 3 elements**
2.10(EC.7)	Greenhouse gas emission reduction program	[4] **Program(s) aims to reduce two out of three scopes emissions (Scope 1 and 2 or Scope 1 and 3 or Scope 2 and 3)**
2.11()	Please provide the total carbon footprint (CO_2 emission in the last 12 months, in metric tons)	7,585.88
2.12(EC.8)	The total carbon footprint divided by total campus population (metric tons per person).	[3] **> 0.42 - 1.11 metric tons**
2.13(EC.9)	The number of innovative program(s) in Energy and Climate Change	[5] **More than 3 programs**
2.14(EC.10)	Impactful university program(s) on climate change	[5] **Provide training, educational materials, seminars/conferences, and activities which are implemented by communities at the international level**
2.15()	Planning, implementation, monitoring and/or evaluation of all programs related to Energy and Climate Change through the utilization of Information and Communication Technology (ICT)	[2] **The program is currently in the planning stage**

Waste

Question		Answer
3.1(WS.1)	3R (Reduce, Reuse, Recycle) program for university's waste	[4] **3R program > 50 – 75% implemented**
3.2(WS.2)	Program to reduce the use of paper and plastic on campus	[5] **More than 10 programs**

3.3()	Total volume organic waste produced (ton)	287,3
3.4()	Total volume organic waste treated (tons)	205,42
3.5(WS.3)	Organic waste treatment	[5] **Extensive (> 85% treated)**
3.6()	Total volume inorganic waste produced (tons)	50,70
3.7()	Total volume inorganic waste treated (tons)	44,48
3.8(WS.4)	Inorganic waste treatment	[5] **Extensive (> 85% treated)**
3.9()	Total volume toxic waste produced (tons)	6.46
3.10()	Total volume toxic waste treated (tons)	6.46
3.11(WS.5)	Toxic waste treatment	[5] **Extensive (> 85% treated) or campus produces a minimum amount of toxic waste**
3.12(WS.6)	Sewage disposal	[4] **Treated with secondary treatment**
3.13()	Planning, implementation, monitoring and/or evaluation of all programs related to Waste Management through the utilization of Information and Communication Technology (ICT)	[2] **The program is currently in the planning stage**

Water

Question		Answer
4.1(WR.1)	Water conservation program and implementation	[5] **> 50% water conserved**
4.2(WR.2)	Water recycling program implementation	[4] **> 25 - 50% water recycled**
4.3(WR.3)	Water efficient appliance usage	[5] **> 80% of water efficient appliances installed**
4.4(WR.4)	Consumption of treated water	[5] **> 75% treated water consumed**
4.5(WR.5)	Water pollution control in campus area	[5] **Policy and programs for water pollution control are fully implemented and monitored regularly**
4.6()	Planning, implementation, monitoring and/or evaluation of all programs related to Water Management through the utilization of Information and Communication Technology (ICT)	[2] **The program is currently in the planning stage**

Transportation

Question		Answer
5.1()	Number of cars actively used and managed by University	20
5.2()	Number of cars entering the university daily	269
5.3()	Number of motorcycles entering the university daily	710
5.4(TR.1)	The total number of vehicles (cars and motorcycles) divided by total campus population.	[2] **> 0.5 - 1**
5.5(TR.2)	Shuttle service	[3] **Shuttle service is provided (by university or other parties) and the university contributes a part of the cost.**
5.6()	Number of shuttles operated in your university	0
5.7()	Average number of passengers of each shuttle	0
5.8()	Total trips of shuttle services each day	0
5.9(TR.3)	Zero Emission Vehicles (ZEV) policy on campus	[5] **Zero Emission Vehicles are available, and provided by university for free**
5.10()	Average number of Zero Emission Vehicles (e.g. bicycles, cano, snowboard, electric car, etc.) on campus per day	31
5.11(TR.4)	The total number of Zero Emission Vehicles (ZEV) divided by total campus population.	[2] **> 0.002 - 0.004**
5.12()	Total ground parking area (m^2)	6450
5.13(TR.5)	Ratio of parking area to total campus area.	[3] **> 4 - 7%**
5.14(TR.6)	Transportation program designed to limit or decrease the parking area on campus for the last 3 years (from 2021 to 2023)	[5] **Program resulting in more than 30% decrease in parking area or parking area reduction has reaches its limit.**
5.15(TR.7)	Number of initiatives to decrease private vehicles on campus	[5] **> 3 initiatives, or initiative no longer required**
5.16(TR.8)	Pedestrian path on campus	[5] **Pedestrian paths are available, designed for safety, convenience, and in some parts provided with disabled-friendly features**
5.17()	Approximate daily travel distance of a vehicle inside campus only (in	2

	Kilometers)	
5.18()	Planning, implementation, monitoring and/or evaluation of all programs related to Transportation through the utilization of Information and Communication Technology (ICT)	[2] **The program is currently in the planning stage**

Education and Research

Question		Answer
6.1()	Number of courses/subjects related to sustainability offered	837
6.2()	Total number of courses/subjects offered	1327
6.3(ED.1)	The ratio of sustainability courses to total courses/subjects	[5] **> 20%**
6.4()	Total research funds dedicated to sustainability research (in US Dollars) (average per annum over the last 3 years).	468,902.8
6.5()	Total research funds (in US Dollars) (average per annum over the last 3 years).	879,236.12
6.6(ED.2)	The ratio of sustainability research funding to total research funding	[5] **> 40%**
6.7(ED.3)	Number of scholarly publications on sustainability published. (average annualy for the past 3 years)	[5] **> 300**
6.8(ED.4)	Number of events related to sustainability. (average annualy for the past 3 years)	[5] **> 50**
6.9(ED.5)	Number of activities organized by student organizations related to sustainability per year	[5] **> 20**
6.10(ED.6)	University-run sustainability website	[5] **Website is available, accessible, and updated regularly**
6.11()	Sustainability website address (URL) if available	https://univpancasila.ac.id/green-metric/
6.12(ED.7)	Sustainability report	[5] **Sustainability report is accessible and published annually**
6.13()	Sustainability report link address (URL) if available	https://teknik.univpancasila.ac.id/sdgcen/
6.14(ED.8)	Number of cultural activities on campus	[5] **More than 10 events per year**

6.15(ED.9)	Number of university program(s) with international collaborations	[5] **More than 10 programs per year**
6.16(ED.10)	Number of community services related to sustainability organized by university and involving students	[5] **More than 10 projects per year**
6.17(ED.11)	Number of sustainability-related startups	[5] **> 15 startups**
6.18()	Total number of graduates with green jobs (for the last 3 years)	1189
6.19()	Availability of units or offices that coordinate or are related to sustainability	[2] **Unit(s) or office(s) in development**
6.20()	Planning, implementation, monitoring and/or evaluation of university governance through the utilization of Information and Communication Technology (ICT)	[5] **Program has been implemented, evaluated, and is currently revised**

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