CLIMATE ACTION PLAN 2026

President University has set a strategic target to increase campus vegetation coverage from 10–20% to 20–30% by 2026 as part of its climate mitigation and adaptation strategy. This will be achieved through active tree planting programs, landscape enhancement, and protection of existing green areas. These actions aim to improve urban microclimate regulation, enhance biodiversity, and strengthen natural carbon sequestration.

Infrastructure & Green Open Space

President University has set a strategic target to increase campus vegetation coverage from 10–20% to 20–30% by 2026 as part of its climate mitigation and adaptation strategy. This will be achieved through active tree planting programs, landscape enhancement, and protection of existing green areas. These actions aim to improve urban microclimate regulation, enhance biodiversity, and strengthen natural carbon sequestration.

No	Indicator	Baseline (2024)	Target (2026)	Action Programs	Budget 2026
1	Ratio of Green Open Space	80–90%	80–90% (maintained)	- Protection of existing green zones - Prevention of land function conversion - Zoning regulation for non-buildable areas	Included
2	Forest Vegetation Area	±63,506 m²	Maintained & enriched	- Campus forest protection policy - Biodiversity monitoring - Student-based forest conservation projects	Included
3	Planted Vegetation Area	10–20%	20–30%	- Annual tree planting program - Ornamental & shade tree expansion - Medicinal plant garden development - Carbon-absorbing tree species prioritization	Rp 20,000,000
4	Water Absorption Area	>30%	>30%	- Protection of permeable surfaces - Reduction of concrete cover - Biopore and infiltration well installation	Included
5	Open Space per Capita	<10 m²/person	<10 m²/person (maintained)	- Spatial planning optimization - Management of pedestrian green corridors	Included

Infrastructure & Green Open Space

No	Indicator	Baseline (2024)	Target (2026)	Action Program	Budget 2025
6	Sustainability Budget Ratio	1–5%	5–10%	- Annual green infrastructure budgeting - Integration of climate projects into RKAT	Included
7	Operation & Maintenance Ratio	<25%	<25%	- Energy-efficient landscaping equipment - Scheduled green area maintenance	Included
8	Disability & Maternity Facilities	Available	Fully accessible & maintained	- Pathway improvements - Ramp & access upgrades - Toilet modernization	Included
9	Security & Safety Facilities	Fully available	Fully functional	- Smart CCTV integration - Emergency evacuation route optimization	Included
10	Health Infrastructure	Available	Fully accessible	- Campus clinic maintenance - Green open-air health facilities	Included
11	Flora, Fauna & Urban Farming	50–75% implemented	75–100%	- Urban farming plots - Aquaponics pilot - Biodiversity signage & education	Included

Energy & Smart Building

The energy transition strategy focuses on expanding smart building implementation and increasing renewable energy utilization. The coverage of smart buildings is targeted to rise from 1–25% to 25–50% by 2026, supported by the installation of energy-efficient lighting sensors and automated control systems. In parallel, the university is expanding the use of solar panels for outdoor lighting, supporting emission reduction from electricity consumption.

No	Indicator	Baseline (2024)	Target (2026)	Action Program	Budget 2025
1	Total electricity consumption	±820,130 kWh/year	↓ 10–15%	- Energy efficiency campaign - AC temperature standardization (24–26°C) - Shutdown policy for idle equipment	Included
2	Electricity intensity per capita	< 279 kWh/capita/year	↓ 10–15%	- Digital energy monitoring per building - Peak load management	Included
3	Smart building coverage	1–25%	25–50%	- Automation on lighting & AC - Smart meters installation in priority buildings	Rp 80,000,000
4	LED lighting coverage	50–75%	90–100%	- Replacement of conventional lamps with LEDs - Lighting audit per building	Included
5	Motion & daylight sensors	Limited pilots	Installed in ≥50% buildings	- Installation of motion sensors in classrooms & corridors - Daylight-based dimming systems	Rp 20,000,000

Energy & Smart Building

No	Indicator	Baseline (2024)	Target (2026)	Action Program	Budget 2025
6	Renewable energy share	<0.5%	0.5–1%	- Solar PV for outdoor lighting - Rooftop solar pilot on academic buildings	Rp 40,000,000
7	Solar-powered outdoor lighting	Limited units	Campus-wide main corridors	- Replacement of conventional outdoor lamps with solar lamps	Included
8	Building energy efficiency	Not certified	1–2 pilot green buildings	- Energy audit - Retrofit of ventilation & insulation - Efficient glass & shading	Included
9	Renewable energy innovation	None	1 pilot system	- Organic waste-to-energy feasibility study - Micro solar-grid integration	Rp 50,000,000
10	Carbon footprint per capita	> 2.05 tCO_2/capita	1.11–2.05 tCO_2/capita	- Integrated energy efficiency + renewable expansion	Included
11	Energy awareness programs	Ad-hoc	Annual program	- Energy-saving campaigns - Student & staff training	Included
12	Backup energy efficiency	Conventional genset	Efficiency optimized	- Load optimization of backup generators - Fuel efficiency monitoring	Included
13	Digital energy management system	Manual monitoring	Semi-automated	- Centralized energy dashboard - Monthly performance reporting	Included
TOTAL ENERGY INVESTMENT 2025					Rp 200,000,000

Waste Management & 3R Action Plan

Waste management is a major priority under Scope 3 emissions. Current waste generation reaches approximately 133 tons per year of organic waste and 193 tons per year of inorganic waste. By 2026, President University targets to process at least 50% of organic waste and maintain more than 75% recycling rate for inorganic waste. These efforts will be centralized through the construction and strengthening of the Integrated Waste Management Center (IWMC)..

No	Indicator	Baseline (2024)	Target (2026)	Detailed Action Programs	Budget 2026
1	Total organic waste generation	±133 tons/year	↓ 10–20%	- Food loss reduction campaign - Sustainable canteen program - Portion control & leftover management	Included
2	Organic waste treatment rate	1–25% treated	≥ 50% treated	- On-site composting system - Organic waste shredding & fermentation units - Compost utilization for campus landscaping	Rp 50,000,000
3	Inorganic waste generation	±193 tons/year	↓ 10–20%	- Plastic-free campus campaign - Paperless administration - Reusable container policy	Included
4	Inorganic waste recycling rate	>75% recycled	>75–90% recycled	- Waste bank expansion - Partnership with certified recyclers - Material recovery facility (MRF) within IWMC	Rp 100,000,000
5	Hazardous (B3) waste handling	>75% compliant	100% compliant	- Standardized B3 storage - Licensed third-party disposal - Lab safety & segregation training	Included

Waste Management & 3R Action Plan

No	Indicator	Baseline (2024)	Target (2026)	Action Program	Budget 2026
6	Campus-wide waste segregation	Partial implementation	100% implemented	- 3-bin system (organic, inorganic, B3) - Standardized labeling & color coding - Monitoring by cleaning services	Included
7	Integrated Waste Management Center (IWMC)	In preparation	Fully operational	- Construction & equipment procurement - Composting area, MRF & B3 storage - Operator training	**Rp 150,000,000**
8	Plastic waste reduction	Ad-hoc programs	≥ 50% reduction	- Ban on single-use plastic bottles - Refill stations - Student canteen regulation	Included
9	Food waste recovery	Limited	≥ 30% recovered	- Leftover food composting - Animal feed pilot - Community food sharing program	Included
10	Paper consumption	High & unmanaged	↓ 30–50%	- Digital document systems - E-signature policy - Online academic administration	Included

Waste Management & 3R Action Plan

No	Indicator	Baseline (2024)	Target (2026)	Action Program	Budget 2026
11	Waste awareness programs	Irregular	Annual mandatory programs	- Waste education for new students - Zero waste campaigns - Eco-volunteer program	Included
12	Waste data monitoring system	Manual recording	Digital system	- Monthly waste tracking dashboard - IWMC performance reporting	Included
13	Circular economy pilot projects	None	≥ 2 pilot projects	- Compost-product commercialization - Recycled material crafts & campus merchandise	Included
TOTAL WASTE INVESTMENT 2025					**Rp 150,000,000**

Sustainable Transportation

Transportation is a significant source of Scope 1 and Scope 3 emissions at President University, primarily from campus shuttle operations and daily commuting by private vehicles. To address this, the university has integrated sustainable mobility into its Climate Action Plan 2025–2026 through low-emission transport policies, infrastructure improvement for pedestrians and cyclists, gradual adoption of electric vehicles, and enhanced transport emission monitoring, supporting the transition toward a low-carbon and net-zero campus.

No	Indicator	Baseline (2024)	Target (2026)	Key Action Programs (Concise)	Budget 2026
1	Total transportation emissions	48.6 tCO_2/year	↓ 20–30%	Low-emission mobility policy; campus traffic control; parking regulation	Included
2	Campus shuttle emissions (Scope 1)	0.6 tCO_2/year	↓ significant	Regular engine maintenance; idle-time reduction; fuel efficiency monitoring; EV shuttle	Included
3	Private vehicle emissions (Scope 3)	48.0 tCO_2/year	↓ 15–25%	Parking limitation; carpool incentives; solo-rider reduction campaign	Included
4	Electric vehicle (EV) utilization	Not available	Pilot implemented	Procurement of 1–2 operational EVs; pilot electric shuttle testing	Included
5	Pedestrian infrastructure	Limited coverage	Expanded coverage	Shaded walkways; safer pedestrian routes; disability-friendly access	Included
6	Bicycle facilities	Limited	Expanded	Bicycle lanes; secure bike parking; campus cycling program	Included
7	Shuttle service utilization	Low	↑ significant	Route optimization; digital scheduling; class timetable integration	Included
8	Transportation emission monitoring	Manual	Semi-digital	Daily vehicle counting; vehicle type classification; annual emission reporting	Included
TOTAL TRANSPORT INVESTMENT 2025					**Included**

Education, Research & SDG's

The Education, Research & SDGs Action Plan reflects President University's commitment to integrating sustainability into its core academic mission through curriculum development, research excellence, community engagement, and innovation. This action plan focuses on strengthening sustainability-based learning, expanding climate-related research and publications, enhancing student and alumni involvement in green initiatives, and reinforcing international collaboration on the Sustainable Development Goals (SDGs) as a key driver of the university's long-term contribution to the Race to Zero agenda.

No	Indicator	Baseline (2024)	Target (2026)	Key Action Programs (Short)	Budget 2026
1	Sustainability-based courses	108 courses	≥ 120 courses	Curriculum review; new sustainability electives	Included
2	Sustainability-related study programs	17 programs	≥ 20 programs	Program strengthening; interdisciplinary programs	Included
3	Sustainability research funding	USD 61,522/year	≥ USD 75,000/year	Increased internal grants; priority climate research	Included
4	Sustainability publications	38 articles/year	≥ 50 articles/year	Publication incentives; journal mentoring	Included
5	Green community service projects	>10 projects/year	≥ 15 projects/year	Waste, energy & environment empowerment programs	Included
6	Student engagement in SDGs	Limited	≥ 50% students	SDGs ambassadors; SDGs-based community service	Included
7	Alumni in green jobs	75 alumni	≥ 120 alumni	Green career programs; industry partnerships	Included
8	SDGs awareness programs	Ad-hoc	Annual program	SDGs Week; sustainability public lectures	Included
9	International sustainability collaboration	Limited	≥ 5 active MoUs	Joint research; exchange programs	Included
10	Sustainability innovation & entrepreneurship	Limited	≥ 3 programs	Green startup incubation; innovation grants	Included
TOTAL EDUCATION, RESEARCH & SDGs BUDGET 2025					**Included in Academic Budget**

Conclusion

The Race to Zero Report 2025 demonstrates President University's strong and structured commitment to achieving net-zero greenhouse gas emissions before 2050, supported by comprehensive policies, governance mechanisms, and measurable climate action programs. With a total baseline carbon footprint of 773.2 tCO_2 per year, dominated by electricity consumption (Scope 2) and transportation activities (Scope 1 and Scope 3), the university has established a clear and credible foundation for long-term emissions reduction through its Climate Action Plan 2025–2026, covering infrastructure and green open space, energy and smart buildings, renewable energy, waste management and circular economy, sustainable transportation, and education, research, and SDGs

Through the integration of sustainability into academic programs, research, community engagement, and operational systems, President University positions itself not only as an institution that reduces emissions, but also as a catalyst for climate leadership and innovation in higher education. The implementation of targeted investments, strengthened institutional governance, and continuous monitoring will ensure that climate actions remain measurable, scalable, and accountable. Moving forward, the university is committed to accelerating its transition toward a low-carbon, climate-resilient, and net-zero campus, contributing meaningfully to national and global climate goals in alignment with the Race to Zero initiative.

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