2024

UNIVERSITAS ANDALAS

SUSTAINABLE DEVELOPMENT GOALs (SDG's) REPORT

Preface

As we navigate the intricate web of challenges and opportunities in the 21st century, sustainability stands as a guiding principle for our actions, both locally and globally. At Universitas Andalas, we recognize the immense responsibility we carry as an institution of higher learning to lead by example and foster a culture of sustainability.

This Sustainability Report is a testament to our dedication to this noble cause. It encapsulates our journey, initiatives, and accomplishments in the pursuit of a sustainable future. We believe that by acknowledging our strengths and shortcomings, we can better align our strategies to create a positive impact on our campus, community, and the environment at large.

The past year has been a period of reflection and resilience, with the world facing unprecedented challenges. Climate change, social inequality, and environmental degradation continue to loom large, compelling us to redouble our efforts in fostering a sustainable campus. Through our research, teaching, and operations, Universitas Andalas is committed to driving positive change and building a future where sustainability is at the heart of everything we do.

This report is a collaborative endeavor, made possible by the dedication of our students, faculty, staff, and the wider university community. It outlines our progress, goals, and aspirations in the sustainability of water, waste, transportation, setting infrastructure and education as well.

Universitas Andalas's commitment to sustainability is not just a matter of policy; it is our collective promise to leave a lasting legacy for generations to come. We invite you to explore the pages that follow, where you will find detailed information on our sustainability initiatives and the strides we have made in our journey towards a more sustainable campus and society.

We acknowledge that our work is far from complete, but we are dedicated to the ongoing pursuit of sustainable practices, innovative solutions, and meaningful partnerships. Together, we will forge a path towards a future where Universitas Andalas is not only a center for knowledge but a beacon of sustainable progress.

Thank you for joining us on this journey, as we continue to learn, grow, and contribute to a more sustainable world.

Sincerely,

Green Campus Chair of Universitas Andalas

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Under the leadership of the Universitas Andalas's Green Campus Commitee

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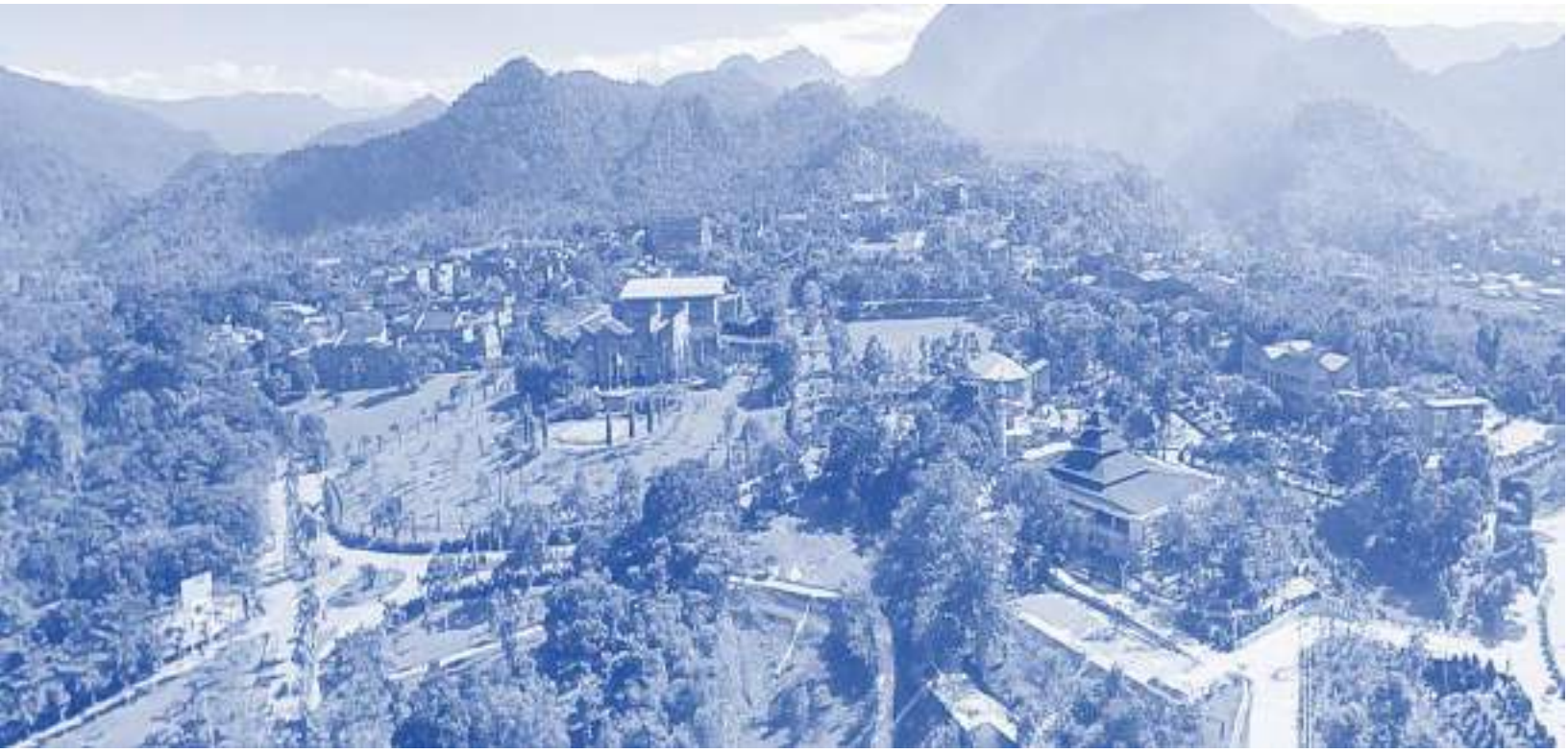
Setting and infrastructure



The campus maintains an impressive "Ratio of Open Space to Total Area", exceeding 95%. This high percentage signifies a dedicated approach to preserving extensive green spaces that contribute to sustainability. The open spaces offer diverse functions, serving as recreational areas, wildlife habitats, and adding aesthetic value, ultimately fostering a healthier environment for the campus community.

The data on Forest and Planted Vegetation further supports the institution's sustainability efforts, as the area covered by forest vegetation remains above 35%, and planted vegetation consistently covers 10-20% of the campus area. These green spaces are essential not only for their aesthetic contribution but also for carbon sequestration, supporting local biodiversity, and regulating campus microclimates. By maintaining a considerable forested area, the campus demonstrates its dedication to environmental conservation and ecological responsibility, while the planted vegetation adds both functional and visual value, enriching the landscape.

Areas dedicated to water absorption, apart from forest and planted vegetation, have been maintained at 2-10% in 2023. This allocation reflects the campus's commitment to sustainable water management, aiding in stormwater absorption and flood prevention. Proper water management also contributes in maintaining groundwater levels.

The "Percentage of Faculty's Budget for Sustainability Effort" is consistently allocated at over 5-10%, highlighting the institution's financial commitment to advancing sustainability. This budget allocation enables various projects and initiatives, from energy-efficient infrastructure upgrades to awareness campaigns, all contributing toward a more eco-conscious and sustainable campus.

In terms of infrastructure maintenance, the "Percentage of Operation and Maintenance Activities of Buildings" is remarkably high, reaching between 75-99%. This reflects a prioritized allocation of resources toward ensuring the longevity and efficiency of campus buildings. High maintenance standards are essential for enhancing energy efficiency, ensuring safety, and preserving the structural integrity of campus facilities, all of which contribute to a sustainable and secure environment.

Futhermore, the "Campus Facilities for Disabled and Maternity Care" are partially available and operational, this reflects an ongoing commitment to accessibility and inclusivity. However, the partial availability of these facilities suggests that there may be room for improvement, as the institution works toward creating a fully inclusive environment that caters to the needs of all individuals within the campus community.

On the "Security and Safety Front", the campus has consistently ensured that security infrastructure, such as CCTV, emergency hotlines, and fire safety measures, is available and fully operational. These facilities are crucial for the well-being and safety of students and staff, fostering a secure atmosphere conducive to academic and social engagement.

"Health Infrastructure Facilities for Student and Staff Wellbeing" are accessible and fully functional, providing first aid, emergency rooms, clinics, and trained personnel to address health concerns. The availability of such infrastructure underscores the institution's commitment to the welfare of its community members, ensuring that health services are readily accessible in times of need.

Lastly, the campus's “Conservation Program for Plant, Animal, and Wildlife Genetic Resources” has been fully implemented, reflecting a strong commitment to preserving biodiversity. Such conservation efforts are essential for safeguarding genetic resources and supporting sustainable ecosystems, further underscoring the campus's dedication to environmental responsibility.

Sustainability on setting infrastructure	Year 2023	Achievement in 2024
The ratio of open space to total area. Formula: ((Q1.5-Q1.6)/Q1.5) x 100%)	> 95%	> 95%
Total area on campus covered in forest vegetation (please provide total area in m^2)	> 35%	> 35%
Total area on campus covered in planted vegetation (please provide total area in square meters)	> 10 - 20%	> 10 - 20%
Total area in campus for water absorption besides forest and planted vegetation (please provide the total area in square meters)	> 2 - 10%	> 2 - 10%
Percentage of university’s budget for sustainability effort. Formula ((Q.1.17/Q1.16)x100%))	> 5 - 10%	> 1 - 5%
Percentage of operation and maintenance activities of building in one year period	>75 - 99%	> 25 - 50%
Campus facilities for disable and maternity care	Facilities are partially available and operated	Facilities are partially available and operated
Security and safety facilites	Security infrastructure (CCTV, emergency hotline/button, personnel, fire extinguisher, hydrant) available and fully function	Security infrastructure (CCTV, emergency hotline/button, personnel, fire extinguisher, hydrant) available and fully function
Health infrastructure facilities for students and academic and administrative staff wellbeing	Health infrastructure available (first aid, emergency room, clinic,hospital and certified personel), system and accessible for public	Health infrastructure available (first aid, emergency room, clinic,hospital and certified personel), system and accessible for public
Conservation: plant (flora), animal (fauna), and wildlife, genetic resources for food and agriculture secured in either medium or long-term conservation facilities	Conservation program fully implemented	Conservation program fully implemented

In summary, this comprehensive approach highlights a holistic commitment to sustainability across various dimensions, from open space preservation and biodiversity conservation to accessibility and safety infrastructure, all contributing to a healthier, greener, and more inclusive campus environment.

Energy and Climate Change

First, the “Energy Efficient Appliances Usage” remained unchanged, with usage levels exceeding 50 – 75% in 2024, the same as in 2023. This achievement reflects a concerted effort to embrace energy-efficient technologies, which not only reduce energy costs but also contribute to lower carbon emissions and a more sustainable campus environment."

The “Number of Renewable Energy Sources on Campus” is expected to remain unchanged in 2024, with two renewable energy sources currently in place. Diversifying energy sources through renewables such as solar power, wind, or biodiesel enhances energy security and sustainability. This achievement reflects an increasing commitment to reducing dependence on non-renewable energy.

Furthermore, the achievement in "Total Electricity Use Divided by Campus Population" also remained steady in 2024, maintaining a total electricity consumption rate of less than 279 kWh per person. This stability reflects ongoing commitment to sustainable energy practices on campus, demonstrating the effectiveness of efforts to minimize energy usage per capita. Lower electricity consumption per individual is indicative not only of enhanced energy efficiency but also of a reduced carbon footprint, marking a substantial contribution to broader sustainability goals.

In addition, the "Ratio of Renewable Energy Production Divided by Total Energy Usage Per Year" remained the same at <= 0.5%, it signifies a continued commitment to incorporating renewable energy into the energy mix, which is crucial for reducing greenhouse gas emissions and promoting sustainable energy.

Additionally, the introduction of "Elements of Green Building Implementation" into construction and renovation policies (with two elements in 2024) is a notable development. These elements can include energy-efficient design, sustainable materials, and efficient HVAC systems, all of which contribute to a greener and more sustainable built environment.

The achievement in the "Greenhouse Gas Emission Reduction Program" demonstrates a notable reduction in emissions within one of the three scopes—Scope 1, 2, or 3—by 2024. This accomplishment not only highlights the program's effectiveness but also signifies a commitment to addressing environmental impact at a granular level, as each scope targets specific sources of emissions.

Total Carbon Footprint Divided by Total Campus Population" remains at or above 2.05 metric tons per person in 2024. This stability indicates that there has been no increase in carbon emissions per capita, reflecting the success of climate impact mitigation efforts.

The presence of "More than 3 Programs" in "Innovative Programs in Energy and Climate Change" signifies an ongoing commitment to innovation in addressing energy and climate challenges. This innovation-driven approach ensures that the institution remains at the forefront of sustainable energy solutions.

Lastly, the "Impactful University Program(s) on Climate Change" has been continuously implemented through 2024 by providing training and educational materials for local communities at national, regional, and international levels. This initiative underscores the agency's proactive approach to climate change, as it not only reduces its carbon footprint but also disseminates awareness and knowledge about climate change solutions beyond its campus.

Sustainability on energy	Year 2023	Achievement in 2024
Energy efficient appliances usage	> 50 - 75%	> 50 - 75%
Number of renewable energy sources in campus (solar power, bio diesel, wind power, etc)	2 sources	2 sources
The total electricity usage divided by total campus population (kWh per person). Formula: (Q2.6)/(Q1.15)	<279 kWh	<279 kWh
The ratio of renewable energy production divided by total energy usage per year	<= 0.5%	<= 0.5%
Elements of green building implementation as reflected in all construction and renovation policies	2 elements	2 elements
Greenhouse gas emission reduction program	Program(s) aims to reduce one out of three scopes emissions (Scope 1 or 2 or 3)	Program(s) aims to reduce one out of three scopes emissions (Scope 1 or 2 or 3)
The total carbon footprint divided by total campus population (metric tons per person). Formula: (Q2.11)/(Q1.15)	>= 2.05 metric ton	>= 2.05 metric ton
The number of innovative program(s) in Energy and Climate Change	More than 3 programs	More than 3 programs
Impactful university program(s) on climate change	Provide training and educational materials for surrounding communities, at national level, and at regional and international level	Provide training and educational materials for surrounding communities, at national level, and at regional and international level

In summary, the data highlights the campus's strong commitment to energy sustainability and climate action. The implementation of energy-efficient appliances, the diversification of energy sources, and reductions in per capita electricity consumption, combined with the incorporation of green building elements and greenhouse gas reduction programs, collectively demonstrate a comprehensive approach to energy efficiency and sustainability. Furthermore, the existence of various innovative programs and outreach initiatives aimed at the broader community reflects a leadership role in tackling energy and climate challenges, both on campus and beyond.

ROYEKSI KEBUTUHAN LISTRIK

Bangunan dilengkapi instalasi listrik dengan daya yang memadai untuk menunjang seluruh peralatan listrik yang digunakan, minimum 5 VA untuk setiap m2 luas lantai bangunan. Instalasi memenuhi ketentuan Peraturan Umum Instalasi Listrik (PUIL).

NO	RENCANA PEMBANGUNAN	TOTAL LUAS BANGUNAN (M2)	KEBUTUHAN LISTRIK (5 VA/M2)
1	AREA UNIVERSITAS	19069	95345
2	AREA FAKULTAS	133771	668855
3	AREA PENUNJANG TAMBAHAN	72774	363870
TOTAL KEBUTUHAN LISTRIK TAMBAHAN (VA)			1128070
DALAM (KVA)			1128,07

KEBUTUHAN TOTAL LISTRIK

8083

KVA

ALTERNATIF PEMASANGAN PANEL SURYA DI LANTAI ATAS & SOLAR FARM

Waste

First, the "Program to Reduce the Use of Paper and Plastic on Campus" effectively reduces, reuses, and recycles over 75% of university's waste in 2024. This achievement remains extensive, indicating that the program's success was not just a one-time occurrence but a continuous commitment to sustainable waste management. This is commendable, as it demonstrates a dedication to reducing environmental impact and promoting a culture of responsible waste handling.

The "Program to Reduce the Use of Paper and Plastic on Campus" is equally noteworthy. In 2023, there were already more than ten programs in place, reflecting the organization's awareness of the need to minimize paper and plastic usage. The fact that the achievement increases significantly in 2024 to ten programs suggests that the institution has not only maintained its existing programs but potentially introduced new initiatives. This underscores the significance of sustainable practices, as more than three programs indicate a multifaceted approach to reducing paper and plastic waste, which can be detrimental to the environment.

When it comes to "Organic Waste Treatment," the data shows that 399.359 tons of organic waste were treated in 2024, achieving an extensive (> 85%) treatment level. Organic waste treatment, often involving composting, is a fundamental element of sustainability as it reduces the volume of waste that goes to landfills and, when done correctly, can yield valuable compost material. Achieving extensive treatment in this area demonstrates a strong commitment to both waste reduction and responsible environmental practices.

Futhermore, the "Inorganic Waste Treatment" in 2024 achieved a partial (> 65% - 85%) treatment level for 203.448 tons of inorganic waste. While this indicates significant progress, it suggests that there is room for improvement in enhancing the treatment of inorganic waste. Inorganic waste includes materials like plastics, metals, and glass, which can have a significant environmental impact when not properly managed. This data points to an opportunity to further develop recycling and disposal strategies for inorganic waste.

In the context of "Toxic Waste Treatment," the achievement in 2023 is extensive, with 7.335 tons of toxic waste being extensive (> 85%) treated. Toxic waste poses a severe environmental and health risk if not handled and treated appropriately. While progress has been made, further improvements in the treatment of toxic waste are necessary to minimize potential harm to the environment and the community.

Lastly, the transition in "Sewage Disposal" from secondary treatment in 2023 to tertiary treatment in 2024 marks an important improvement. Tertiary treatment represents a more advanced and effective method, frequently involving chemical processes to purify sewage. This upgrade highlights a stronger approach to wastewater management, which is crucial for safeguarding the environment and public health. The shift to tertiary treatment reflects a commitment to improving water quality and minimizing the impact of sewage discharges on local ecosystems.

In conclusion, the data paints a picture of a commitment to sustainability and responsible waste management in 2023. The consistent success of the 3R program, paper and plastic

reduction efforts, and extensive treatment of organic waste underscores the organization's dedication to environmental responsibility. However, there are opportunities for improvement in the treatment of inorganic and toxic waste. The upgrade to secondary sewage treatment reflects a forward-thinking approach to wastewater management, further highlighting the institution's commitment to a cleaner and more sustainable future.

Sustainability on waste	Year 2023	Achievement in 2024
3R (Reduce, Reuse, Recycle) program for university's waste	Extensive (> 75% waste)	Extensive (> 75% waste)
Program to reduce the use of paper and plastic on faculty	more than 3 programs	more than 10 programs
Total volume organic waste produced (ton)		431.833
Total volume organic waste treated (tons)	206.45	399.359
Organic waste treatment	Extensive (> 75% treated)	Extensive (> 85% treated)
Total volume inorganic waste produced (tons)	115.22	361.390
Total volume inorganic waste treated (tons)	115.22	203.448
Inorganic waste treatment	Partial (> 50% - 75% of treated)	Partial (> 65% - 85% of treated)
Total volume toxic waste produced (tons)	8.6	8.012
Total volume toxic waste treated (tons)	8.6	7.335
Toxic waste treatment	Partial (> 50% - 75% of treated)	Extensive (> 85% treated) or campus produces a minimum amount of toxic waste
Sewage disposal	Treated with secondary treatment*	Treated with tertiary treatment*

Water


6 CLEAN WATER AND SANITATION
14 LIFE BELOW WATER
15 LIFE ON LAND
17 PARTNERSHIPS FOR THE GOALS

In 2023, initiatives aimed at water conservation successfully achieved the preservation of over 50% of available water resources. This percentage has been sustained in 2024, suggesting that a thorough and effective water conservation program has been executed. Such measures may encompass the installation of water-efficient technologies, the rectification of leaks, and the promotion of water-conscious practices among users. These advancements reflect a commendable dedication to the conservation of this vital resource.

In the context of water recycling, the circumstances in 2024 is largely consistent. By 2024, the target indicates that over 50% of water will be recycled. This indicates that the water recycling initiative has been sustained and is progressing effectively. Water recycling entails the treatment of wastewater for the purpose of reuse, which significantly mitigates water consumption and waste. This transition toward recycling underscores the organization's commitment to sustainable water management and environmental responsibility.

Furthermore, by the year 2024, the installation of water-efficient appliances indicates that between 40 - 60% of water-saving devices have been adopted. This implies that the majority of the equipment currently in use is engineered to utilize less water than conventional models. Such advancements not only conserve water but also lower associated water expenses. While this achievement has remained consistent since 2023, it underscores a robust commitment to integrating sustainable practices into everyday operations.

In 2023, this achievement represents a significant advancement, with over 75% of treated water now being utilized. The achievement in 2024 remains unchanged, indicating substantial progress in water treatment and quality control measures. The enhanced water quality has likely made a larger proportion of water safe for consumption, benefiting both the environment and the health of individuals using the water.

Finally, the achievement to control water pollution on campus have shown consistent success, although there have been no significant changes. Achievement in 2024 demonstrate that these policies and programs are being fully implemented and regularly monitored. This accomplishment reflects a growing awareness and commitment to water quality and environmental protection. Regular monitoring ensures that pollution control measures remain effective and can be adapted to evolving conditions.

In summary, the data indicates a strong and consistent progression in water sustainability efforts from 2023 through 2024. This achievement highlights the organization's dedication to enhanced water management, conservation, and environmental responsibility. Such efforts are not only instrumental in reducing environmental impact but also contribute to significant cost savings and improved water quality for all stakeholders. By prioritizing sustainable water practices, the organization fosters both ecological benefits and economic advantages, affirming its role as a responsible steward of natural resources.

Sustainability on water	Year 2023	Achievement in year 2024
Water conservation program and implementation	> 50% water conserved	> 50% water conserved
Water recycling program implementation	> 50% water recycled	> 50% water recycled
Water efficient appliance usage	> 50% of water efficient appliances installed	> 40 - 60% of water efficient appliances installed
Treated water consumed	> 75% treated water consumed	> 75% treated water consumed
Water pollution control in campus area	Policy and programs for water pollution control are fully implemented and monitored regularly	Policy and programs for water pollution control are fully implemented and monitored regularly

Transportation

The "Total Number of Vehicles (Cars and Motorcycles) Divided by Total Campus Population," reveals that the ratio has remained between > 0.125 - 0.5 in 2024, indicating that there's still a considerable number of vehicles in relation to the campus population. This suggests that efforts to reduce the reliance on private vehicles haven't led to a significant decrease. Further strategies might be needed to promote alternative transportation methods and reduce the environmental impact of vehicle emissions.

The "Zero Emission Vehicle (ZEV) Policy on Campus" indicates that while some faculty members use ZEVs, the university does not provide these vehicles. Practical considerations, such as limited charging infrastructure, costs, and faculty commuting patterns, can affect the feasibility of ZEV use. To promote ZEV adoption, investment in infrastructure and incentives might be necessary.

The "Total Number of Zero Emission Vehicles (ZEV) Divided by Total Faculty Population" is <= 0.002 in both 2023 and 2024. This suggests that the number of ZEVs among faculty has not significantly increased. Encouraging faculty to adopt ZEVs may require incentives, such as financial benefits or improved charging facilities.

The "Ratio of Parking Area to Total Faculty Area" is expected to increase by more than 1 - 4% in 2024, indicating a larger of campus space being allocated for parking. This suggests the need for a commitment to minimizing land use for parking facilities, promoting more sustainable land use and potentially encouraging alternative transportation options.

The "Transportation Program Designed to Limit or Decrease the Parking Area on Campus" advances in 2024, with a decrease in parking facilities ranging from 10% to 30%. This indicates that the achievement in sustaining the program during 2023 have led to a reduction in parking facilities. Such programs necessitate time for execution and demand a balance between accommodating vehicles and fostering sustainable transportation alternatives.

The "Number of Transportation Initiatives to Decrease Private Vehicles on Campus" remained unchanged in 2024. This shows that the institution is continuing its efforts to reduce private vehicle usage on campus and require new initiatives to sustain these efforts. Potential measures could include car-sharing programs, increased parking fees to discourage private vehicle use, or enhanced public transportation options to make commuting without a personal vehicle more attractive.

Lastly, the "Pedestrian Path on Campus" also remained unchanged in 2024. The paths were not only designed for safety but also for convenience and, notably, provided with disabled-friendly features in some areas. This enhancement promotes pedestrian-friendly transportation options, making it easier for people to choose walking over driving and ensuring accessibility for all.

In conclusion, the data indicates that the institution is actively pursuing sustainability in transportation. While some aspects have remained relatively unchanged, such as ZEV adoption and the vehicle-to-population ratio, there is clear progress in promoting alternative transortation methods, reducing parking space, and enhancing pedestrian infrastructure. These efforts are integral to achieving a more sustainable and environmentally friendly transportation system on campus. Continued dedication to such initiatives will likely lead to further improvements in the future.

Sustainability on transportation	Year 2023	Achievement in 2024
The total number of vehicles (cars and motorcycles) divided by total campus population.	> 0.125 - 0.5	> 0.125 - 0.5
Zero Emission Vehicles (ZEV) policy on campus	Zero Emission Vehicles use is not possible or practical	Zero Emission Vehicles are available, but not provided by university
The total number of Zero Emission Vehicles (ZEV) divided by total faculty population.	<= 0.002	<= 0.002
Ratio of parking area to total faculty area.	< 1%	> 1 – 4%
Transportation program designed to limit or decrease the parking area on campus for the last 3 years (from 2020 to 2022)	Less than 10% decrease	Between 10% - 30% decrease
Number of transportation initiatives to decrease private vehicles on campus (e.g. car sharing, charging high parking fees, metro / tram / bus services and etc)	2 initiatives	2 initiatives
Pedestrian path on campus	Pedestrian paths are available, designed for safety, convenience, and in some parts provided with disabled-friendly features	Pedestrian paths are available, designed for safety, convenience, and in some parts provided with disabled-friendly features

Limited parking zone and disabled-friendly features on campus (Universitas Andalas)

PROYEKSI KEBUTUHAN PARKIR SAMPAI DENGAN TAHUN 2030

PERTUMBUHAN JUMLAH DOSEN & MAHASISWA

DOSEN			
NO	TAHUN	JUMLAH (ORANG)	PERTUMBUHAN
1	2015	1404	
2	2016	1385	-1%
3	2017	1368	-1%
4	2018	1337	-2%

SISWA			
NO	TAHUN	JUMLAH (ORANG)	PERTUMBUHAN
1	2015	23413	
2	2016	23512	0%
3	2017	23238	-1%
4	2018	22696	-2%

PROYEKSI PERTUMBUHAN JUMLAH DOSEN & MAHASISWA

NO	URAIAN	TAHUN										
		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
1	DOSEN	1466	1471	1485	1500	1505	1520	1535	1551	1566	1582	1598
2	GURU BESAR	147	148	150	151	153	154	156	158	159	161	162
3	TENAGA HONORER	946	955	965	975	984	994	1004	1014	1024	1034	1035
4	MAHASISWA	27921	28200	28482	28767	29055	29345	29639	29935	30234	30537	30842
	TOTAL	30479	30775	31082	31393	31697	32014	32334	32648	32974	33304	33637

KEBUTUHAN JUMLAH LUASAN PARKIR

- **MOBIL** = JUMLAH UNIT x SRP
  = 5.886 x (2,3 m x 5 m)
  = 67.689 M2
  SIRKULASI = 0,30 x 67.689 M2
  = 20.306 M2
  TOTAL = 87.995 M2
- **MOTOR** = JUMLAH UNIT x SRP
  = 8.409 x (0,75 m x 2 m)
  = 11.772 M2
  SIRKULASI = 0,30 x 11.772 M2
  = 3.531 M2
  TOTAL = 15.303 M2

ALTERNATIF (GEDUNG PARKIR)

ASUMSI KEBUTUHAN PARKIR KENDARAAN :

- MOBIL (11.773 ORG) = 35 % (1 MOBIL = 2 ORG)
- MOTOR (16.818 ORG) = 50 % (1 MOTOR = 2 ORG)
- PEJALAN KAKI/ A. UMUM = 15 % (5.045 ORG)

JUMLAH UNIT KENDARAAN :

- MOBIL = 5.886 UNIT
- MOTOR = 8.409 UNIT
- PEJALAN KAKI/ A. UMUM

KEBUTUHAN
10,32 HA

TERSEDIA

UNIVERSITAS	= 3,08 HA
FAKULTAS	= 5,11 HA
TOTAL	= 8,19 HA

TIDAK MENCUKUPI

RENCANA SISTEM KEAMANAN & KEMACETAN

PENYEDIAAN CCTV DISETIAP PULAU-PULAU PARKIR

POLA SIRKULASI SAAT WISUDA

Education and Research

The University has exhibited a strong commitment to sustainability within its academic curriculum. A total of 5,404 courses were categorized as sustainability-related, indicating that the ratio of sustainability courses to the total number of courses surpassed expectations. This ratio demonstrates that 100% of all academic offerings integrate sustainability principles. This not only illustrates the extensive incorporation of sustainability into the curriculum but also emphasizes the University's dedication to equipping the next generation with knowledge about environmental and social challenges.

In terms of research, the university's allocation of funds dedicated to sustainability was noteworthy. They channeled an equal amount, 100%, of their research funds into sustainability research, demonstrating a comprehensive approach to addressing sustainability-related issues. The publication of 760 scholarly articles on sustainability signifies a vibrant research community focused on sustainability solutions, showcasing the university's commitment to advancing knowledge in this critical field.

The university's engagement in sustainability extends beyond academics and research. The organization of 123 sustainability-related events is a testament to the vibrant culture of sustainability awareness and engagement on campus. Student organizations played a pivotal role, with 123 activities dedicated to sustainability, showcasing student involvement and passion for sustainability causes. The availability and maintenance of a dedicated sustainability website with the URL https://green.unand.ac.id/ provide essential information and resources, fostering transparency and awareness.

The publication of a sustainability report, although lacking a specific URL, is crucial in demonstrating transparency and accountability in the university's sustainability initiatives. This report likely offers insights into the university's sustainability performance, goals, and progress.

The university's commitment to sustainability transcends its campus borders. Through 8 cultural activities focused on sustainability, the institution is cultivating a broader community culture that values sustainability. Additionally, the university's 16 internationally collaborative programs demonstrate its dedication to global engagement in sharing sustainability knowledge and practices.

Lastly, a total of 110 sustainability community service projects were organized and/or involved student participation. These projects highlight the tangible benefits that sustainability initiatives can bring to communities. While the target for sustainability-oriented startups was fully achieved, the existence of 16 such startups underscores the entrepreneurial spirit within the university community, which is addressing sustainability challenges with innovative solutions.

In conclusion, the university's sustainability initiatives in 2023 were substantial. The institution demonstrated excellence across various domains, including academics, research, student involvement, and community engagement. These accomplishments signify a strong commitment to tackling environmental and social issues, thereby positively influencing both the campus and the wider community. The university's dedication to building a more sustainable and responsible future is evident in its endeavors.

Strategic plan for sustainable education in Andalas University

Sustainable Education in Andalas University	Target in 2023	Achievement in 2024	Target				
			2025	2026	2027	2028	2029
The ratio of sustainability courses to total courses/subjects	Min. 21%	100%	21%	22%	22%	23%	23%
The ratio of sustainability research funding to total research funding	Min. 41%	100%	41%	42%	42%	43%	43%
Number of scholarly publications on sustainability published. (average annualy for the past 3 years)	305	760	305	310	310	315	315
Number of events related to sustainability. (average annualy for the past 3 years)	48	123	49	49	50	50	51
Number of activities organized by student organizations related to sustainability per year	11	21	13	13	15	15	16
Faculty-run sustainability website	Website is available, accessible, and updated occasionally	Website is available, accessible, and updated occasionally	Website is available, accessible, and updated regularly				
Sustainability report	Sustainability report is published	Sustainability report is accessible and published occasionally	Sustainability report is published annually				
Number of cultural activities on campus	4	8	4	6	6	8	8
Number of university program(s) with international collaborations	4	16	4	6	6	8	8
Number of sustainablity community services project organised and/or involving students	4	110	4	6	6	8	8
Number of sustainability-related startups	16	16	16	17	17	18	18

PENILAIAN EKSTERNAL TERHADAP UNIVERSITAS ANDALAS

No	Universitas	Jumlah Author	SINTA Score 3 Yr	SINTA Score Overall
1	Universitas Gadjah Mada	304 Department 3,302 Authors	1.471.541	3.280.328
2	Universitas Indonesia	276 Department 2,879 Authors	858.939	2.139.991
3	Universitas Airlangga	186 Department 2,118 Authors	831.955	1.547.480
4	Institut Pertanian Bogor	179 Department 1,514 Authors	760.204	1.944.135
5	Universitas Padjadjaran	188 Department 2,280 Authors	684.959	1.403.111
6	Universitas Hasanuddin	221 Department 1,926 Authors	596.551	1.096.616
7	Universitas Diponegoro	170 Department 1,864 Authors	594.944	1.485.285
8	Institut Teknologi Bandung	134 Department 1,614 Authors	587.634	1.793.857
9	Universitas Sebelas Maret	183 Department 1,809 Authors	561.760	1.120.690
10	Universitas Brawijaya	180 Department 2,440 Authors	537.948	1.153.498

Sumber: https://sinta.kemdikbud.go.id/affiliations, diakses pada tanggal 5 September 2023

For the Glory of the Nation

Kinerja Riset dan Inovasi

Berdasarkan Indeks SINTA (Science and Technology Index), UNAND berada pada posisi 11 Nasional

11	**Universitas Andalas**	**185 Dept. 1,541 Authors**	**497.591**	**1.039.286**
12	Universitas Udayana	123 Department 2,010 Authors	428.850	992.160
13	Institut Teknologi Sepuluh Nopember	92 Department 1,155 Authors	426.580	945.503
14	Universitas Negeri Semarang	105 Department 1,368 Authors	399.330	1.008.628
15	Universitas Bina Nusantara	55 Department 1,294 Authors	390.928	659.040
16	Universitas Pendidikan Indonesia	173 Department 1,624 Authors	386.168	821.049
17	Universitas Negeri Malang	135 Department 1,389 Authors	355.404	690.521
18	Universitas Negeri Jakarta	114 Department 1,043 Authors	334.114	573.251
19	Universitas Telkom	45 Department 1,057 Authors	332.060	634.180
20	Universitas Pamulang	23 Department 1,699 Authors	327.995	[illegible]5

UNAND Memperoleh Penghargaan Keunggulan IKU 5 Tahun 2022 untuk Liga PTN-BH yaitu **Pencapaian Rasio Tertinggi Penerapan Riset Dosen**

PENCAPAIAN INDIKATOR KINERJA UTAMA (IKU)

IKU	URAIAN	2022			2023		
		TARGET TH.2022	CAPAIAN TH. 2022	Peringkat Nasional PTNBH	TARGET TH.2023	TARGET TW2	CAPAIAN S/D TW2
IKU 1	Persentase Lulusan Bekerja/Wiraswasta/Lanjut Studi	60	52.27	13	80	35	13.85
IKU 2	Persentase Mahasiswa Berprestasi dan Berkegiatan di Luar Kampus	25	18.92	8	25	12	2.36
IKU 3	Persentase Dosen Beraktifitas Diluar Kampus	30	20.49	16	30	14	14.3
IKU 4	Persentase Dosen Berkualifikasi	50	49.91	16	50	24	48.72
IKU 5	Rasio Penerapan Riset Dosen	1	759.84	1*	1	0.5	2.16
IKU 6	Persentase Prodi yang Melaksanakan Kerjasama dengan Mitra	50	92.31	3	50	24	26
IKU 7	Persentase Matakuliah Berbasis Kasus dan Projek	50	29.21	16	50	24	26.29
IKU 8	Persentase Prodi Terakreditasi Internasional	5	28	13	10	4	30

Pelaksanaan Kegiatan Penyuluhan tentang Pengenalan Teknologi Pengolahan Sampah TOSS

Program Pengadaan Air Bersih dan Pemasangan Lampu Tenaga Surya dengan Sensor Cahaya dan Gerak

Pelaksanaan Kegiatan Penyuluhan Mitigasi Bencana

REMARKS

Universitas Andalas remains steadfast in its pursuit and implementation of a diverse array of initiatives that are closely aligned with the Sustainable Development Goals (SDGs). The numerous activities and programs initiated by Universitas Andalas are intricately connected to all 17 SDG goals. These endeavors are undertaken in alignment with Universitas Andalas's vision of becoming a renowned research university. This commitment is further solidified by the institution's adherence to the Tri Dharma of Higher Education, encompassing education, research, and community service. Moreover, these various programs and activities are intrinsically linked to Universitas Andalas's overarching goal of cultivating a sustainable campus that enhances the teaching and learning experience. The invaluable support from the entire academic community and Universitas Andalas's partners is instrumental in ensuring the successful execution of these planned programs and activities.