

Bakrie University

Sustainability Report 2024



Foreword

In an era where education plays a vital role in driving sustainable development, Bakrie University stands committed to making a meaningful impact. Recently recognized with Akreditasi Unggul (Excellence Accreditation), we are more motivated than ever to continue our journey toward becoming a globally engaged institution that contributes to the Sustainable Development Goals (SDGs). This commitment to quality and sustainability is central to everything we do, reflecting our vision to prepare graduates who are not only skilled but also deeply aware of their role in shaping a better world.

Our close relationship with the Bakrie Group, a significant force in Indonesia's business sector, provides our students with direct access to industry insights and opportunities. This unique connection empowers our students to blend theoretical knowledge with real-world experience, creating a learning environment enriched by industry relevance. The Bakrie Group partnership is more than just an affiliation; it is a gateway for our students to understand and engage with the complexities of today's global business landscape.

At Bakrie University, we adopt a hands-on, experiential learning approach. Our programs are designed to be dynamic and inclusive, encouraging students to collaborate with peers, engage with faculty, and connect with industry experts and community leaders. This multifaceted academic ecosystem nurtures critical thinking, creativity, and resilience qualities essential for future leaders who will tackle global challenges with confidence and purpose.

Our dedication to the SDGs goes beyond traditional classroom instruction. We integrate these global goals into the very fabric of our campus life and academic programs. Through initiatives focused on Zero Hunger, Climate Action, and Gender Equality, among others, we provide students with real opportunities to contribute to social progress and environmental stewardship. Bakrie University's active participation in the Times Higher Education Impact Rankings is a testament to our ongoing commitment to measurable outcomes and meaningful change.

As the only Tri Dharma University in Indonesia engaged with THE's SDG rankings, we proudly position ourselves at the intersection of academia and social responsibility. We are determined to not only educate but also to inspire action within our students, our institution, and our communities.

Join us as we continue this journey, committed to achieving the SDGs and building a sustainable future together.

At Bakrie University, we believe that the path to a brighter tomorrow begins with the steps we take today.

Prof. Ir. Sofia W. Alisjahbana, M.Sc., Ph.D., IPU., ASEAN Eng.
Rector of Bakrie University



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SDG 1

No Poverty

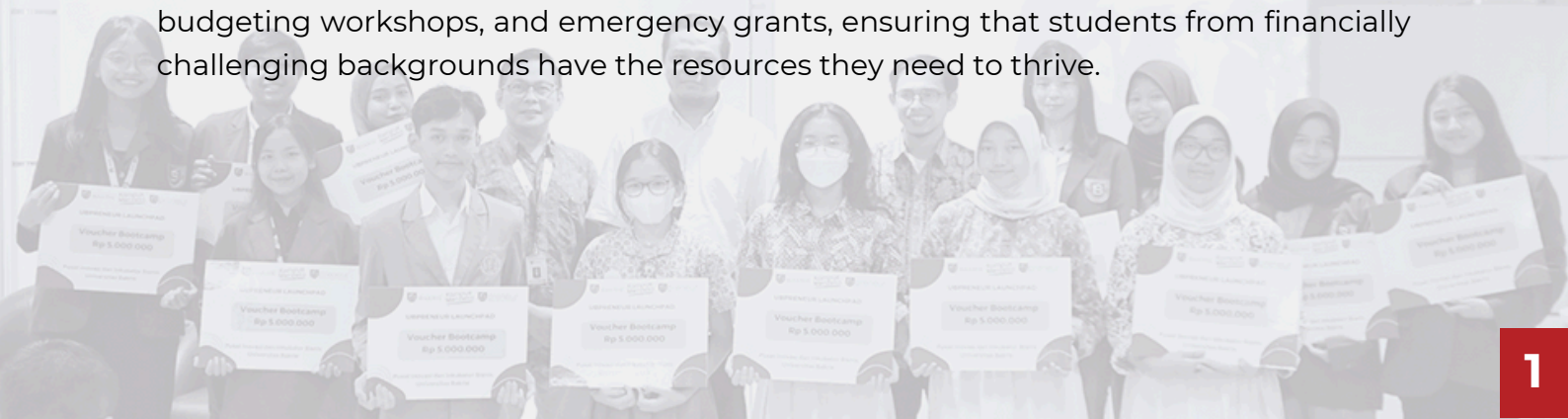
Proportion of students receiving financial aid to attend university because of poverty

Number of students	4550
Number of low income students receiving financial aid	3092

Bakrie University is deeply committed to making higher education accessible to students from the lowest income brackets, ensuring that financial constraints do not hinder educational opportunities. The university has set specific enrollment targets to admit students from economically disadvantaged backgrounds. To support these students, Bakrie University offers a range of scholarships, including the Bina Prestasi, Bakrie Leaders, and KIP scholarships, as well as funding support from local and international sources. This initiative is strengthened by outreach programs that guide prospective students through the application process, including financial counseling and fee waivers.

In addition to admission, Bakrie University maintains a 100% graduation target for students from lower-income groups who receive scholarships. The university provides continuous academic and financial support throughout students' studies, reducing the financial pressures that might otherwise cause them to drop out. Through personalized mentorship, skill-building workshops, and career planning, Bakrie University fosters a supportive environment that empowers students to succeed and graduate without financial burdens.

The university also offers comprehensive support services to low-income students, addressing needs such as food, housing, and transportation. Initiatives include subsidized meal plans, affordable on-campus housing, and emergency financial aid for unexpected expenses. Additionally, the university provides academic counseling, budgeting workshops, and emergency grants, ensuring that students from financially challenging backgrounds have the resources they need to thrive.



Bakrie University has established targeted programs to assist students in completing their studies, even for those coming from the lowest 20% income group. These programs include mental health and wellness counseling, need-based scholarships, and academic support services. To promote self-sufficiency, the university also offers paid internships, entrepreneurship training, and English language skills development, helping students gain practical experience and increase their employability.



The university extends its anti-poverty initiatives to support international students from low- and middle-income countries. Bakrie University offers tuition waivers and scholarships specifically for students from disadvantaged backgrounds globally, thereby demonstrating its commitment to educational equity and global access.



Through its community outreach, Bakrie University supports local economic growth and social sustainability by helping establish financially sustainable businesses. The university's business incubator programs provide local entrepreneurs with training in digital marketing, financial planning, and sustainability practices. Regular workshops, mentorship programs, and startup funding help local communities develop resilient businesses, contributing to broader economic development in the region.



In addition to business support, **Bakrie University** provides access to essential services, such as **healthcare and sanitation**, within underserved communities.

The university collaborates with organizations to conduct cancer awareness and preventive care programs, and it engages in clean water and waste management projects that promote environmental and public health awareness.

Bakrie University also plays an active role in policy-making to address poverty at **local, regional, and national levels**.

Faculty members participate in government advisory roles, contributing to the development of policies that align with sustainable practices, such as the Circular Economy Roadmap and National Action Plan.

These efforts demonstrate the university's dedication to **fostering partnerships** and **supporting policies** that advance sustainable development goals, **particularly in the area of poverty reduction**.

2 ZERO HUNGER



SDG 2 Zero Hunger

Bakrie University is dedicated to combating food waste and promoting food security across its campus and local community. The university actively measures food waste generated within campus dining facilities, utilizing a structured food waste tracking system. This initiative has provided valuable insights, revealing that 25% of total campus waste is food waste, with additional data on recyclable, hazardous, and residual waste. By monitoring these metrics, Bakrie University aims to continually reduce food waste and raise awareness of sustainability practices on campus.

To address student food insecurity, Bakrie University has implemented several programs to ensure that no student goes hungry. The Meal Assistance Program provides meal vouchers and subsidized dining options for students in need, while the “Hero for Zero Action” initiative focuses on reducing hunger, minimizing food waste, and supporting sustainable agricultural practices. Nutritional workshops and resources, including budget-friendly meal planning and grocery shopping tips, further support students by educating them on affordable, nutritious food choices.

The university also offers specific interventions to prevent and alleviate hunger among students, such as food banks and emergency food aid. Through collaboration between student affairs, financial aid, and counseling services, Bakrie University identifies students experiencing food insecurity and connects them to support programs. In addition, educational workshops on budgeting and meal planning empower students to make healthy, affordable food choices.





Sustainable food options are a priority at Bakrie University, with a variety of vegetarian and vegan meals available across campus dining locations. These meals are designed to be nutritious and environmentally responsible, featuring locally sourced, seasonal ingredients that reduce carbon footprints and support local farmers. The university's commitment to providing sustainable, inclusive, and healthy food choices is a reflection of its dedication to environmental stewardship.

Healthy and affordable food choices are available for all campus members, including students, faculty, and staff. Subsidized meal programs and clearly labeled health-focused menu options help individuals make informed food choices, while workshops on nutrition and meal planning encourage healthier eating habits. For staff, the university provides meal assistance for those facing financial challenges, as well as additional support through donations and social activities, especially during Ramadan.

Proportion of graduates in agriculture and aquaculture including sustainability aspects:

Number of graduates	882
Number of graduates from agriculture and aquaculture courses including sustainability aspects	112

Beyond campus, Bakrie University supports sustainable agriculture and food security by working with local farmers and food producers. The university conducts collaborative research projects and offers training workshops on sustainable farming practices, soil health, and water management. Resources, such as books on sustainable agriculture and insect farming, help farmers adopt environmentally responsible practices and improve food production methods. Additionally, the university provides access to labs for soil analysis and hosts demonstration farms to educate local farmers on sustainable techniques.



SDG 3

Good Health and Well-being

Bakrie University actively collaborates with health institutions at local, national, and global levels to improve health outcomes for its community. Partnerships with organizations like the Indonesian Red Cross and Jakarta's government focus on improving ambulance response times and enhancing healthcare access. Additionally, partnerships with Prudential, BPJS Kesehatan, and BNI Life support health education, preventive care, and screenings, particularly in underserved communities. Training programs with the Cancer Awareness Foundation provide essential knowledge in primary care, mental health, and emergency response.

To promote health and wellness in the local community, the university conducts outreach programs addressing key areas such as hygiene, exercise, and healthy aging. Initiatives like the annual "Liga Merah Maroon" sports event encourage physical activity, while workshops on hygiene and disease prevention, conducted with local schools, empower participants to adopt healthier lifestyles. These programs involve both students and faculty, fostering community engagement and supporting healthier living.

Bakrie University also opens its sports facilities to the public, including local schools, to encourage physical activity. Facilities such as the Bakrie Elite Epicentrum sports center, soccer fields, swimming pool, and basketball court are available during designated hours, providing convenient access to quality exercise spaces. Community events like the 5K Run and Maroon Cup are also held regularly, promoting community spirit and fitness.





Recognizing the importance of reproductive health, Bakrie University provides students with access to educational resources and healthcare services in partnership with local health organizations. Seminars, like the "Cancer and Tumor Awareness" event with the Indonesian Cancer Observer Foundation, offer critical health information, while partnerships expand access to specialized care, creating a supportive environment for student well-being.

Mental health support is a priority at Bakrie University. The university offers a range of mental health services, including workshops on managing stress and the effects of social media. On-campus counseling, provided by licensed professionals, includes individual and group therapy, as well as crisis intervention. These resources help students manage mental health challenges and support their academic and personal success.

In line with its commitment to a healthy campus environment, Bakrie University enforces a smoke-free policy across all areas of the campus. Established through a rector's circular letter, this policy reflects the university's dedication to protecting students, staff, and visitors from the harmful effects of smoking.

Supporting staff mental health is equally important. Bakrie University provides counseling services and mental health workshops for staff, fostering a supportive workplace culture. These initiatives create a healthier work environment and empower staff to address their mental health needs effectively.



4 QUALITY EDUCATION



SDG 4 Quality Education



Proportion of first-generation students:

Number of students	4550
Number of students starting a degree	1293
Number of first-generation students starting a degree	646

Lifelong Learning Measures

Bakrie University is dedicated to promoting lifelong learning by providing free access to educational resources for non-students. Through the SPADA platform, the university offers open-access online courses in fields such as business, technology, environmental studies, and social sciences, allowing community members to learn at their own pace. The university's library is also open to the public, offering access to physical resources, study spaces, and digital materials, including journals and databases. Additionally, the Center for Academic Development and Learning Innovation (PPAIP) hosts public lectures, seminars, and workshops that are open to local residents, alumni, and community members.

The university frequently organizes events that are accessible to the public to encourage community engagement and lifelong learning. These events include collaborations with local organizations, such as the "Indonesian Youth SDGs Summit 2023," which focused on topics related to Climate Action and Life on Land. Public lectures covering various topics, such as science, technology, and social issues, are regularly offered by faculty experts, visiting scholars, and industry leaders. For example, the Civil Engineering Program recently hosted a lecture by Prof. Ts. Dr. Aziman Bin Madun from Universiti Tun Hussein Onn Malaysia, discussing geophysical investigation techniques.



Bakrie University provides executive education programs and vocational training courses tailored for working professionals and non-students. These short courses cover topics like leadership, digital transformation, project management, and strategic planning, allowing participants to acquire practical skills without the need for full-time enrollment. Recent events, such as the seminar featuring Carina Joe from Oxford University, emphasize the role of research in scientific advancements, reinforcing the university's commitment to career-oriented education for the wider community.

Educational outreach extends beyond the campus, with Bakrie University actively engaging in local schools and communities. Student-led and faculty-supported initiatives, such as school outreach programs, bring interactive lectures, science demonstrations, and digital literacy workshops to young learners. One notable project is the "Mastering Knowledge while Unleashing Potential for a Better Future" initiative, which provides hands-on learning experiences in topics like design thinking and environmental conservation. Additionally, the university's Geotourism Education Program promotes awareness of Ujung Kulon National Geopark, supporting community engagement with environmental conservation.

Inclusivity is a core principle in Bakrie University's outreach efforts. The university ensures that all educational programs and activities are accessible to everyone, regardless of ethnicity, religion, disability, immigration status, or gender. This commitment to equal access and cultural sensitivity is reinforced by university policies, as outlined in the Student Guideline Academic Year 2023-2024. The university strives to create an inclusive environment that respects diversity and accommodates the needs of all participants, promoting a welcoming atmosphere for individuals from varied backgrounds.



SDG 5 Gender Equality

Proportion of first-generation students:

Number of students	4550
Number of students starting a degree	1293
Number of first-generation students starting a degree	646
Number of women starting a degree	454
Number of first-generation women starting a degree	74

Bakrie University is committed to promoting gender equality and supporting female students, staff, and faculty across various initiatives. To address gender equity in education, the university systematically tracks application, acceptance, and enrollment rates for women, ensuring transparency and accountability through annual diversity reports.

The university's Access and Participation Plan outlines a comprehensive policy to encourage women's applications, particularly in underrepresented fields such as Civil Engineering, Industrial Engineering, and Informatics. The university collaborates with high schools and community organizations to reach potential female students, providing mentorship, workshops, and scholarships to increase access and reduce financial barriers.



To support female students, Bakrie University offers various access schemes, including scholarships, mentoring programs, and access to female role models. Prominent female leaders, such as the Hungarian Ambassador H.E. Lila Karsay and Prof. Wan Norbani Wan Noordien from Universiti Teknologi MARA, are invited to deliver lectures and workshops, inspiring female students and broadening their career perspectives. Special scholarships are available for women pursuing degrees in underrepresented fields, providing essential financial assistance to foster academic success.

Bakrie University encourages women to pursue STEM fields and other areas where they are underrepresented. Scholarships for women in STEM, along with workshops like the "Young Water Warrior 2023 Competition" aim to build confidence and foundational skills, helping women excel in traditionally male-dominated fields.

In terms of senior representation, Bakrie University ensures gender diversity among its faculty and leadership. With a policy promoting gender equity, the university maintains a balanced composition of male and female faculty members, with women representing 55% of the academic staff. The university tracks female graduates by discipline, with a focus on increasing female representation in STEM fields.





The university has a non-discrimination policy, as outlined in the Bakrie University Employee Regulation, which prohibits gender discrimination in admissions, hiring, promotions, and access to resources.

This policy ensures a supportive environment for women across all university roles and protects those who report discrimination from any educational or employment disadvantage.

Additional policies support women's participation, such as comprehensive maternity and paternity leave policies. These policies allow mothers and non-gestational parents time to participate in early childcare responsibilities without financial strain, promoting work-life balance and shared parenting responsibilities.

Bakrie University also offers childcare facilities for students, staff, and faculty who are recent parents. Collaborations with nearby childcare providers expand access and flexibility, enabling recent mothers to participate fully in their academic and professional responsibilities.



6 CLEAN WATER AND SANITATION



SDG 6

Clean Water and Sanitation

Bakrie University is dedicated to sustainable water management through a range of practices and policies that ensure efficient water usage, promote conservation, and support community engagement. As part of the Bakrie Group, the university closely monitors its water consumption, which is included in its annual sustainability report. This report reflects the university's efforts to achieve stable water consumption and transparency in its environmental impact.

The university has established a wastewater treatment process to minimize pollution and ensure proper disposal of waste.

This includes the use of a Wastewater Treatment Plant (IPAL) that treats water through sedimentation and sludge retrieval processes. The treated wastewater is regularly tested by certified laboratories to ensure compliance with environmental standards.

To further prevent pollution, Bakrie University conducts research on microplastics and microbial communities in Jakarta Bay. This research helps understand pollution impacts and explores potential microbial applications for sustainable water management. Additionally, refill stations are installed throughout the campus to provide free drinking water, promoting health and sustainability while reducing plastic waste.

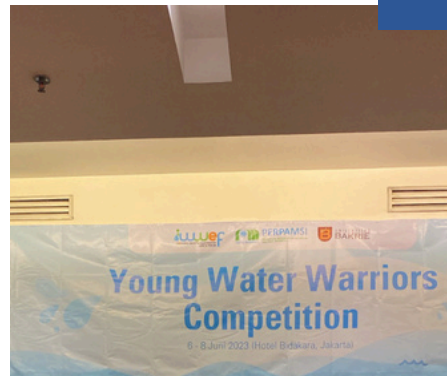
The university applies green building standards to minimize water usage in all campus facilities. Features such as low-flow faucets, automatic water sensors, and regular audits help ensure efficient water use. Furthermore, water-saving landscaping practices include the use of drought-tolerant plants, supporting sustainable campus environments that conserve water resources.



Water reuse is a priority for Bakrie University, supported by policies that promote water recycling and conservation. The university has a system to track water reuse and reports on its progress annually, ensuring accountability and continual improvement in conservation efforts. In high-water-use areas like research labs, closed-loop systems are implemented to maximize water reuse and minimize waste.

Young Water Warrior 2023 Competition

Educational outreach on good water management is provided to local communities through initiatives like the "Young Water Warrior 2023 Competition" which teaches high school students and community members about small water innovations and integrated water management. Off-campus water conservation efforts include clean-up activities and educational programs along Jakarta's Western Flood Canal, reducing plastic waste and promoting sustainability.



10th World Water Forum

Bakrie University collaborates with local and national governments to support water security and sustainable practices. The university has participated in events like the 10th World Water Forum, where it contributed to the development of water security policies. Additionally, sustainable water extraction technologies, such as the Sponge City concept, are researched and promoted by faculty members to enhance water resilience and improve urban water management.





SDG 7

Affordable and Clean Energy

Bakrie University implements several initiatives to support affordable and clean energy on campus

The university has a policy requiring that all new construction and renovations meet energy efficiency standards, as outlined in Rector Circular No. 022/UB/R-SE/III/2022. This includes using smart technologies like automated lighting and energy management systems to reduce energy consumption.

For existing buildings, the university has a plan to upgrade facilities to improve energy efficiency. Regular energy audits help identify areas for improvement, and smart management systems are gradually being installed to optimize energy use.

Additionally, the university has set carbon neutrality targets in collaboration with China ENFI Engineering Corp, along with promoting sustainable transportation options such as electric vehicle charging stations and bike-sharing.





The university is also part of a divestment strategy, moving funds away from industries like coal and oil and focusing on renewable energy projects, including solar power. These initiatives align with the sustainability goals of the broader Bakrie Group.

In the community, Bakrie University runs programs to raise awareness about energy efficiency and clean energy, including research into using geothermal energy alongside coffee plantations. The university also engages the public through events and discussions on renewable energy.

Bakrie University collaborates with local industries, providing energy assessments, workshops, and research focused on clean energy technologies. The university contributes to policy discussions on clean energy and electric vehicle development, with board members like Anindya Bakrie participating in related government initiatives.

The last, the university supports start-ups focusing on low-carbon technology by offering workshops, such as carbon trading sessions, in partnership with organizations like the Indonesian Stock Exchange. Through these initiatives, Bakrie University aims to promote clean energy practices and support sustainable development both on campus and within the community.



SDG 8

Decent Work and Economic Growth

Bakrie University's approach to Decent Work and Economic Growth focuses on fostering fair labor practices, supporting worker rights, and promoting ethical employment across all university operations:

Living Wage Commitment

The university ensures all staff and faculty are paid at least the local living wage. This is outlined in Employment Regulation No. 001-2023, ensuring fair compensation aligned with the local living standard and subject to regular reviews.

Union Recognition

The university fully supports unions, allowing all employees, including women and international staff, to join or form unions. The policy supports inclusivity in labor rights, backed by Employment Regulation Article 17 Anti-Discrimination Policies.

Bakrie University prohibits workplace discrimination based on religion, gender, sexuality, age, and other characteristics, ensuring an equitable, inclusive work environment. Employees have access to support services to address any discrimination they may encounter.

Outsourcing Standards

Outsourcing agreements at Bakrie University require contractors to uphold fair labor standards, including wages, safe working conditions, and benefits equivalent to those of direct employees.

Pay Equity

Bakrie University commits to pay equity and eliminating gender pay gaps through Employment Regulation Article No. 27. Regular audits are conducted to ensure fair compensation across genders.

Expenditure per employee

Number of employees

223

Number of academic staff University expenditure

Proportion of students taking work placements

Number of students

4550

Number of students with work placements for more than a month

756

Proportion of employees on secure contracts

Number of employees

223





SDG 9

Industry, Innovation and Infrastructure

University spin offs

	2025	2024
Number of university spin-offs	10	10

Research income from industry and commerce

	2025	2024
Research income from industry and commerce: Total	Rp 9,018,700,090	Rp 8,858,200,000
Research income from industry and commerce by subject area: STEM	Rp 6,013,714,000	Rp 5,314,920,000
Research income from industry and commerce by subject area: Medicine	Rp 0	Rp 0
Research income from industry and commerce by subject area: Arts & Humanities / Social Sciences	Rp 3,884,080,000	Rp 3,543,280,000
Number of employees	223	220
Number of academic staf	113	113
Number of academic staff by subject area: STEM	113	113
Number of academic staff by subject area: Medicine	0	0
Policy reviewed (yyyy)		
Number of academic staff by subject area: Arts & Humanities / Social Sciences	67	67

10 REDUCED
INEQUALITIES



SDG 10

Reduced Inequality

Bakrie University actively promotes inclusivity and equality through structured policies and initiatives, supporting underrepresented groups and ensuring a fair environment for all students, staff, and faculty.

Inclusive Admissions Policy

The university's admissions policy explicitly prohibits discrimination, as outlined in the New Student Admissions Guide No. 004/SK/UB/R/I.2023 (p. 3). This policy assures equal access regardless of race, gender, socioeconomic status, or disability. Transparency is ensured by making the policy publicly available on the university's website, reinforcing Bakrie University's commitment to non-discriminatory access.

Tracking and Supporting Underrepresented Applicants

Bakrie University monitors admissions data for diverse groups, including ethnic minorities, low-income students, and those with disabilities. This data helps in refining outreach and admission strategies, with a particular focus on providing scholarships and financial aid, such as the "Kartu Indonesia Pintar (KIP) Scholarships" to encourage participation from these groups.

Anti-Discrimination Policy for All University Members

The university's Employee Regulation, Article 3 strictly prohibits discrimination across race, age, disability, gender, and other characteristics. This policy ensures a respectful, inclusive campus environment, supporting both students and staff. Reviewed and updated in 2023, it reflects the university's proactive stance on fostering equity and accountability.

Diversity and Equality Committee

Bakrie University has established a Diversity and Equality Committee per Rector Decree No. 023/UB/R/II.2023 on the Ethics Committee. This committee, which includes representatives from across the university, is dedicated to advancing policies on diversity and equality and is instrumental in supporting inclusive initiatives and addressing the needs of underrepresented groups.

Comprehensive Support Services for Individuals with Disabilities

Accessibility is prioritized through facilities such as wheelchair ramps, elevators, and accessible restrooms, as well as personal assistance and counseling services. These services ensure equal access to campus resources and support the well-being of students and staff with disabilities.

Mentorship and Counseling for Underrepresented Groups

Bakrie University offers dedicated mentorship and peer support programs to guide students and staff from underrepresented groups, with counseling services that cater to specific challenges faced by these individuals. Accessible mental health resources provide a safe space for support, promoting inclusivity and community engagement.



11 SUSTAINABLE CITIES
AND COMMUNITIES



SDG 11

Sustainable Cities and Communities

Support of Arts and Heritage

Public Access to Libraries

The university grants public access to its libraries, including both physical and digital resources through the Bakrie Library and Digital Library platforms, enhancing community access to educational materials.



Open Green Spaces

The university offers free public access to green spaces on campus, providing a welcoming environment for both the university community and the public.



Contributions to Local Arts

The university supports local arts through frequent public performances by choirs, theater groups, and other university-sponsored arts events, contributing to cultural life in the community.



Preservation of Intangible Cultural Heritage

Bakrie University is involved in projects that record and preserve local folklore, traditions, and other cultural knowledge, including documenting regional heritage



Sustainable Practices

Sustainable Commuting Initiatives

The university measures and sets targets to promote sustainable commuting options, such as walking, cycling, and public transportation, to reduce carbon footprints on campus.

Telecommuting and Remote Work

Bakrie University supports hybrid and remote work options for employees, promoting reduced commuting times and flexibility.

Pedestrian-Friendly Campus

Pedestrian access is prioritized on campus, creating a walkable environment that enhances accessibility and safety for students, staff, and visitors.

Promotion of Sustainable Commuting

Actions like providing bicycle parking and supporting carpooling demonstrate Bakrie University's commitment to increasing the share of sustainable transport.

Affordable Housing for Employees and Students

The university provides options for affordable housing for both students and employees through partnerships and financial aid programs, easing access to housing for the academic community.

Collaborations on Affordable Housing

The university works with local authorities to ensure affordable housing access for local residents, showing its commitment to community well-being. Sustainable Building Standards: Bakrie University follows sustainable building practices, including the adoption of green building standards, to ensure environmentally friendly campus development.



SDG 12

12 RESPONSIBLE
CONSUMPTION
AND PRODUCTION



Responsible Consumption and Production

Ethical Sourcing of Food and Supplies

- Policy: University Regulation No. 058/UB/R/XII.2021 promotes ethical sourcing from local suppliers who follow sustainable practices.
- Recommendation: Enhance partnerships with certified organic suppliers and engage students in sustainability initiatives.

Waste Disposal and Hazardous Material Management

- Policy: The university follows a solid waste and hazardous material disposal policy, as stated in the Dean of Engineering Regulation.
- Practice: Educational campaigns on pollution control and safe waste handling.

Waste Measurement

- Policy: University Regulation No. 021/UB/R-SE/III/2022 requires tracking of waste sent to landfill and recycled.
- Practice: Community campaigns on waste processing to promote best practices.

Minimization of Plastic Use

- Policy: University Regulation No. 019/UB/R-SE/XII/2019 encourages reducing plastic waste.
- Practice: Campaigns to raise awareness of minimizing plastic use on campus.



Minimization of Disposable Items

- Policy: Policy No. 020/UB/R/XII/2019 encourages the reuse of materials and reduction of disposables.
- Practice: Research on organic waste management and bioconversion using Black Soldier Fly larvae.

Extension of Policies to Outsourced Services

- Policy: Guidelines require outsourced suppliers to adhere to Bakrie University's sustainability practices.
- Recommendations: Supplier audits and sustainability training for suppliers to ensure compliance.

Waste Recycling and Tracking

- Practice: Measurement of waste generated and recycled as per University Regulation No. 004/ED/D-FTIK/UB/VIII/2016.
- Recommendations: Implementation of a digital tracking system and regular reporting.

13 CLIMATE ACTION



SDG 13 Climate Action

Low Carbon Energy Use

Measurement of Low Carbon Energy

Bakrie University actively implements sustainable practices to reduce greenhouse gas emissions and improve air quality, in alignment with the Bakrie Group's Integrated Annual Report (2023, p. 224). Key actions include regular emission tests on machinery and vehicles, installation of exhaust fans, ventilation systems, and high-efficiency equipment with environmentally friendly refrigerants. Additionally, the university prohibits the use of chlorofluorocarbons (CFCs) and prioritizes ozone-friendly refrigerants.

Total Energy Use

48 Units

of total energy used

With

37 Units

sourced from
low-carbon sources

Environmental Education Measures

Local Climate Education Programs: Bakrie University conducts educational campaigns and programs on climate risks, mitigation, adaptation, and early warning systems.

- Initiatives like the "Vehicle Emission Test: So Your Vehicle is Sufficient" campaign aim to raise community awareness about air quality and promote emission reduction.
- Climate Action Plan: The university has a Climate Action Plan, shared with local governments and community groups, focusing on sustainable development and disaster resilience. This plan, outlined in the Strategic Development Plan (Rector Degree No. 120/SK/UB/R/VII.2021), aligns with environmental stewardship and community resilience efforts.



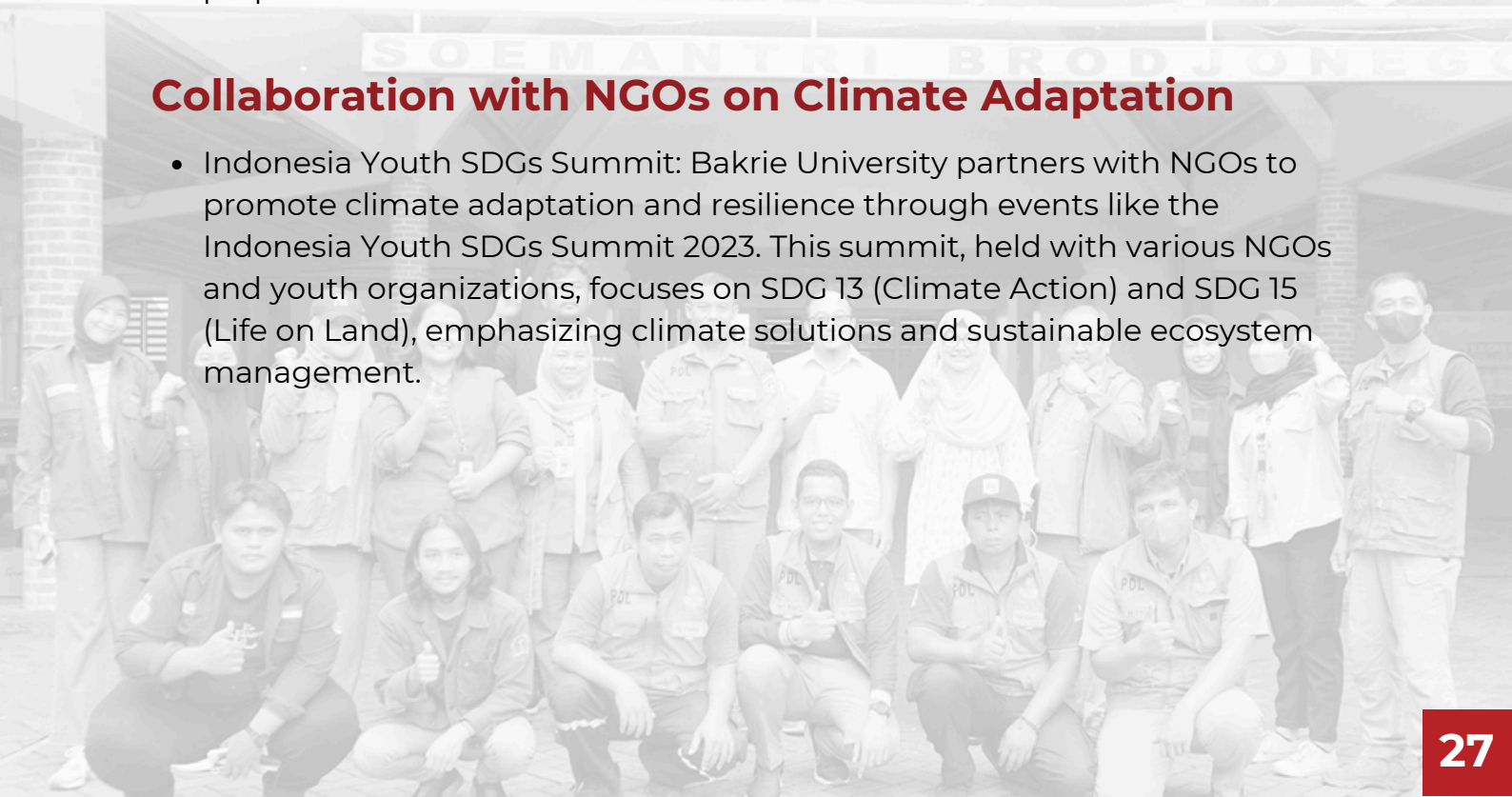


Cooperative Planning for Climate Change Disasters

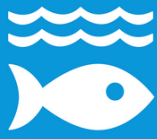
- Disaster Preparedness and Climate-Induced Migration: Bakrie University collaborates with government agencies to plan for climate-related disasters, including support for internally and cross-border displaced populations. Initiatives like "Rumah Bakrie untuk Negeri" (RUBI) housing, water storage tanks, and research on flood disaster mitigation in Jakarta strengthen community resilience.
- Early Warning and Monitoring Systems: The university assists local governments in early warning systems by developing tools like the "Early Warning System to Detect Earthquake Disasters," which alerts the public to impending earthquakes. Research projects, such as analyzing social media data to predict hail disasters, contribute valuable insights for disaster preparedness.

Collaboration with NGOs on Climate Adaptation

- Indonesia Youth SDGs Summit: Bakrie University partners with NGOs to promote climate adaptation and resilience through events like the Indonesia Youth SDGs Summit 2023. This summit, held with various NGOs and youth organizations, focuses on SDG 13 (Climate Action) and SDG 15 (Life on Land), emphasizing climate solutions and sustainable ecosystem management.



14 LIFE BELOW WATER



SDG 14

Life Below Water

Supporting Aquatic Ecosystems through Education

- Educational Programs on Freshwater Ecosystems: The university offers programs focusing on water management, irrigation, and conservation, aimed at different community groups to promote sustainable water practices.
- Outreach on Sustainable Fisheries and Aquaculture: Educational outreach on sustainable fisheries, aquaculture, and tourism is provided, with a focus on raising awareness about marine pollution and the importance of sustainable practices.
- Raising Awareness on Overfishing: Through the "Save Our Mangroves" project, the university educates local communities about responsible fishing practices and the importance of mangrove conservation to combat overfishing.

Supporting Aquatic Ecosystems through Action

- Conservation Events: The university organizes events to promote sustainable marine and freshwater practices, such as research on microplastics in Jakarta Bay.
- Sustainable Food Sourcing Policy: There is a policy ensuring that food sourced from aquatic ecosystems is harvested sustainably.
- Research on Ecosystem Preservation: Projects such as the study on microplastics aim to understand pollution's impact on biodiversity and promote cleaner practices in the marine industry.

Maintaining a Local Ecosystem

- Plan to Minimize Environmental Alterations: Research on Ciliwung River helps to assess contamination sources and inform strategies to protect aquatic ecosystems.
- Monitoring Aquatic Health: The university monitors aquatic ecosystems through projects like the study on microplastics in Jakarta Bay to understand ecological impacts.
- Support for Aquatic Stewardship Programs: Initiatives like the "Young Water Warriors Competition" encourage sustainable water practices among young participants.
- Community Collaboration: Projects like "Save Our Mangroves" engage local communities and organizations in protecting and restoring mangrove forests.
- Watershed Management Strategy: Research on local species, such as microplastics in Krukut River, guides watershed management strategies to protect aquatic biodiversity.





SDG 15

Life on Land

Supporting Land Ecosystems through Education

- Conservation and Sustainable Land Use Events: Bakrie University supports sustainable land use through the "Hijau Untuk Negeri" program by Bakrie Group (BNBR). This program includes tree planting and other environmentally friendly practices within BNBR facilities, promoting land conservation and environmental stewardship.
- Sustainably Farmed Food Policies: The university has policies to ensure that food on campus is sourced from sustainable, environmentally friendly farms. Vendors are selected based on organic and low-impact farming practices, reinforcing the university's commitment to sustainable land use.

Preservation of Ecosystems and Biodiversity

- "Save Our Mangroves" initiative, focusing on preserving threatened mangrove habitats, replanting mangroves, and supporting biodiversity through conservation efforts and community engagement.
- Educational Programs on Flora and Fauna: The university offers programs about wild flora and fauna, particularly through the "Save Our Mangroves" project. These initiatives educate local and national communities on the importance of mangrove forests and biodiversity conservation.
- Educational Outreach on Sustainable Agriculture: Bakrie University promotes sustainable agricultural practices through educational outreach. For example, a study on the environmental impact of plastic use in agriculture is shared with local communities to highlight the need for sustainable farming techniques.

Supporting Land Ecosystems through Action

- **Conservation and Restoration Policy:** While specific policies on conserving terrestrial ecosystems associated with the university (such as forests or drylands) aren't outlined in detail, Bakrie University's commitment to land conservation is evident in its hands-on projects and community engagement efforts.
- **Biodiversity Integration in Planning:** While direct references to integrating biodiversity into campus planning processes (like new construction) are not detailed, the university's overall focus on environmental sustainability supports ecosystem conservation efforts.

Land-Sensitive Waste Disposal

- **Water Quality Standards:** The university enforces water quality standards to protect local ecosystems. Research, such as the study on "Microbial Colonization of Microplastics in the Coastal Water of Jakarta Bay," highlights the importance of minimizing harmful water pollutants.
- **Plastic Waste Reduction Policy:** Bakrie University has a policy to reduce plastic waste on campus, encouraging eco-friendly alternatives to single-use plastics under the Vice Rector's Decree No. 019/UB/R-SE/XII/2019.
- **Hazardous Materials Waste Disposal:** The university follows strict guidelines on disposing of hazardous materials, as outlined in the Dean of Engineering and Computer Science Faculty's policy. This ensures that laboratory waste is managed safely to minimize environmental risks.





SDG 16

Peace and Justice Strong Institutions

University Governance and Community Engagement

Bakrie University ensures inclusive governance through elected representation of faculty, staff, and students on its highest governing body, promoting transparency and diverse input. It recognizes an independent student union to advocate for student rights and offer support services. The university also engages local stakeholders, including community groups and government, in decision-making through established advisory boards, aligning its activities with community needs and fostering local development.

Institutional Integrity and Ethical Conduct

Bakrie University upholds ethical standards with a strong anti-corruption policy and Code of Conduct, complemented by training on crime prevention and ethical practices. Academic freedom is supported through policies that encourage open research and discourse. The university promotes financial transparency by publishing annual financial reports and audited statements, demonstrating responsible financial management and accountability.



Collaboration with Government and Policy Impact

The university provides expertise to government bodies on sustainable development, with faculty contributing to national plans for food security and infrastructure. Collaborative research projects, such as ambulance response mapping with the Indonesian Red Cross and waste management initiatives, support data-driven policies. Bakrie University also offers a neutral platform for political dialogues, hosting events with international diplomats and leaders to discuss key issues, promoting open exchange in a respectful environment.

Law and Civil Enforcement Education

Bakrie University prepares graduates for civil enforcement careers, emphasizing its commitment to justice and ethical governance through comprehensive legal education, thus contributing to societal stability.



17 PARTNERSHIPS
FOR THE GOALS



SDG 17

Partnerships to achieve the Goal

Through a student mobility program with Nihon University in Japan, Bakrie University provides hands-on training related to SDG 9 (Industry, Innovation, and Infrastructure), where students learn about disaster resilience, enhancing their practical knowledge in sustainable infrastructure.

Tracking SDG Progress

- SDG 1 (No Poverty): Scholarship programs for underprivileged students.
- SDG 2 (Zero Hunger): Food donation initiatives to address food insecurity.
- SDG 3 (Good Health and Well-being): Health partnerships and policies, including a smoke-free campus initiative.

Integration of SDGs in Education

SDG-related topics, including climate change, water conservation, and sustainable urban development, are embedded in the curriculum. The university also offers specialized courses to deepen students' understanding of sustainability.

Community Outreach and Sustainability Literacy

Bakrie University engages in community outreach, such as disaster recovery efforts in Cianjur, and measures students sustainability literacy to ensure they grasp key sustainability concepts.

Commitment to Inclusivity and Diversity

Bakrie university promotes a culture of diversity, inclusivity, and sustainability on campus and in the broader community, fostering an environment aligned with global SDG values.



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