

# Bakrie University

Sustainability Report 2025



# Foreword

At Bakrie University, our journey toward sustainability is not just an institutional responsibility, it is a shared movement of knowledge, innovation, and purpose. As a university that integrates the Tridharma of Higher Education with the Sustainable Development Goals (SDGs), we continue to align learning, research, and community service with global and national development priorities.

In 2025, our commitment has deepened through stronger collaborations and measurable progress. From empowering low-income students through inclusive scholarships to advancing circular-economy research and clean-energy partnerships, every achievement represents our collective effort to make education a force for change.

Our participation in the Times Higher Education Impact Rankings reaffirms that transparency and accountability are central to how we grow. Each SDG chapter in this report reflects a tangible step toward that vision, a community of learners and innovators who act locally yet think globally.

As we move forward, Bakrie University remains dedicated to building a resilient academic ecosystem, one that educates with empathy, innovates responsibly, and contributes meaningfully to a sustainable future for Indonesia and the world.

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



1 NO POVERTY



# SDG 1: No Poverty

Total students:

4,687 Student

Scholarship schemes:

KIP, Bakrie Tangguh, Bina Prestasi

Community empowerment:

Cioray Program, B-Innovative Training, OASIS Competition

## Inclusive Access and Educational Equity

Bakrie University ensures that economic hardship never becomes a barrier to learning. 3,185 out of 4,687 students received financial assistance through the Indonesian Scholarship Program (KIP) and internal initiatives such as Bakrie Tangguh and Bina Prestasi Scholarships. These schemes provide full tuition waivers and living allowances, supported by mentoring and academic counselling from the Admissions and Student Affairs Bureau (BIMA).

Beyond tuition relief, the University's Regulation No. 002/2024 formalizes additional support for housing, meals, transportation, and health insurance, ensuring that students from low-income families can complete their studies without financial strain. Through continuous mentoring and skills workshops, Bakrie University maintains a 100% graduation target for scholarship recipients, proving that equity and academic excellence can grow hand in hand.

## Building Resilience Through Skills and Entrepreneurship

Empowerment is central to the University's anti-poverty mission. Programs like B-Innovative, held in collaboration with OK OCE, train students and micro-entrepreneurs in business planning, financial literacy, and sustainability. The OASIS Competition further supports youth innovation, providing IDR 20 million in seed funding for water-management ideas. These initiatives transform assistance into long-term self-reliance, fostering job creators rather than job seekers.

Bakrie University also extends support beyond campus by assisting international students from developing countries through scholarships and living allowances. This global inclusivity reflects the University's vision of equal opportunity for all learners, regardless of geography.

## **Policy Engagement and Community Development**

The University's efforts reach a policymaking level. Faculty members contribute research and expertise to Indonesia's Circular Economy Roadmap and National Action Plan, developed with BAPPENAS and UN-PAGE. Through evidence-based input, Bakrie University helps shape policies promoting inclusive growth and sustainable livelihoods.

Simultaneously, the University's student initiative, Mengabdi Bersama KESMA 2025, provided direct community services, health education, environmental workshops, and literacy programs, to families in Gandasoli Village, integrating classroom learning with real social impact.

2 ZERO HUNGER

# SDG 2: Zero Hunger

## **Reducing Food Waste and Addressing Hunger on Campus**

Bakrie university systematically measures the amount of waste, including food waste, generated from food services within campus facilities. Waste data are disclosed annually, covering total solid waste, reuse, recycling, composting, and disposal. In 2024, 163,174 tons of solid waste were recorded, with 494,032 tons successfully recycled.

Management follows the 3R principles (Reduce, Reuse, Recycle) and involves licensed third-party partners where services are outsourced, who are required to track and report waste volumes. This ensures comprehensive monitoring and accountability in line with sustainability commitments.

## **Nutrition, Health, and Sustainability Education**

Beyond direct assistance, Bakrie University strengthens awareness of balanced nutrition and sustainable eating habits. Regular workshops cover budget-friendly meal planning and nutrition literacy, equipping students with practical knowledge to make informed food choices. Campus canteens offer vegetarian and vegan options, emphasizing locally sourced, seasonal ingredients that support local farmers and reduce the institution's carbon footprint

## **Community Empowerment and Agricultural Innovation**

Outside the campus, the University actively contributes to food security through its Community Service Center (LPKM). In April 2024, the team implemented a community training program in Cioray, Bogor, focusing on health, nutrition, and household food management for rural families. The Food Science and Technology Program also collaborates with small farmers and producers by hosting exhibitions and Food Safety Week 2024, sharing research on food quality, allergens, and sustainable processing techniques.

3 GOOD HEALTH  
AND WELL-BEING



# SDG 3: Good Health and Well-being

## Campus Health and Preventive Care

Bakrie University positions health and well-being as integral parts of academic success. Through collaborations with Prudential Insurance, Rasuna Medical Center, BPJS Kesehatan, and BNI Life, the University provides access to health screenings and wellness education for students and staff. The 2024 “Socialization on HIV/AIDS, Mental Health and Health Screening” event, conducted with Siloam Hospital and the Setiabudi Community Health Center, offered free medical checks, mental-health assessments, and awareness sessions on early prevention.

A smoke-free policy (Circular No. 030/UB/R-SE/XII/2022) is enforced across all university facilities, reflecting Bakrie University’s commitment to a clean and safe learning environment for everyone. Health-related training, such as first-aid certification and emergency response drills, equip students and staff to act quickly in crisis situations.





### Promoting Active and Balanced Lifestyles

Physical well-being is encouraged through open access to sports facilities and events. The University collaborates with Elite Club Epicentrum to provide public use of swimming pools, tennis courts, and indoor gyms at no cost during designated hours. Annual activities such as the Porseni Bakrie 5K Run and Liga Merah Maroon foster community spirit and active living among students, staff, and local residents.

Wellness programs also extend to mental health. The Student Affairs Bureau (BIMA) provides on-campus counselling and psychological support services, including group sessions on stress management and social-media impact awareness. Similar programs for staff ensure that mental health care is inclusive across all levels of the university community.



Palang  
Merah  
Indonesia

### Health Outreach and Community Engagement

Beyond campus, Bakrie University's health initiatives reach local communities through volunteering and training. Together with the Indonesian Red Cross (PMI) and Indonesia Lions Foundation, students organize blood donation drives under the campaign "Donasi Darahmu, Selamatkan Nyawa". These partnerships extend the University's impact beyond education, building health literacy, promoting disease prevention, and supporting public well-being in urban and rural communities alike





# SDG 4: Quality Education

## **Inclusive Education and Equal Opportunities**

Bakrie University views education as a shared right and responsibility. 656 of 1,312 new students were first-generation learners, the first in their families to pursue higher education. The University's scholarship programs and open-access policies ensure that every student, regardless of background, can thrive academically and professionally.

To expand lifelong learning opportunities, the University offers free access to digital and physical resources through the SPADA (MOOC) Platform and its public library, which is open to the community. This initiative allows non-students, alumni, local residents, and professionals, to access courses in business, technology, and environmental studies, reinforcing education beyond the classroom.

## **Expanding Access Through Public Programs**

Bakrie University continues to host public lectures, seminars, and short courses that connect academic expertise with real-world application. The Center for Academic Development and Learning Innovation (PPAIP) organizes regular workshops on leadership, digital transformation, and sustainability for both students and external participants.

One of the flagship events, the Indonesian Youth SDGs Summit 2024, gathered more than 250 participants to discuss Quality Education and Decent Work (SDG 8), showcasing Bakrie University's leadership in national youth engagement. The University also delivers vocational and executive education programs, including the Advanced Sensory Analysis Workshop, open to professionals across sectors.

## Community Outreach and Global Learning

Through the Institute for Community Service (LPkM), Bakrie University extends learning to schools and communities via interactive lectures and literacy campaigns. Educational outreach programs promote digital literacy, environmental awareness, and design thinking, helping young learners connect classroom theory with social responsibility.

The University's Geotourism Education Program encourages environmental stewardship by linking students and local residents to conservation efforts in Ujung Kulon and Ciletuh Geoparks. These initiatives combine education, research, and civic engagement, building learning ecosystems that reach far beyond campus walls.



5 GENDER EQUALITY



# SDG 5: Gender Equality

461

Total Women  
starting a degree

75

First-generation  
women students:

477 of 808

Female graduates  
(2024):

## Equal Opportunities and Representation

Bakrie University is deeply committed to gender equality across all levels of academic and administrative life. 461 women began their degree programs, with 75 of them first-generation students evidence of the University's inclusive recruitment efforts. To institutionalize gender equity, the University enforces Rector's Decree No. 015/SK/UB/R/II/2024, ensuring fair access, representation, and support for women in education, leadership, and research.

## Protection and Policy Enforcement

A safe and equitable campus environment is ensured through the Task Force for the Prevention and Handling of Sexual Violence (PPKS), established under Rector's Decree No. 033/SK/UB/R/II/2024. This task force implements clear reporting mechanisms, victim protection protocols, and awareness programs such as the "Sexual Violence-Free Campus" seminar, conducted in collaboration with Yayasan Pulih.





## Women in Leadership and STEM

Women now represent 55% of academic staff, with continued efforts to close representation gaps in STEM. Targeted STEM scholarships for women, leadership mentoring, and international collaboration programs have strengthened women's participation in innovation and research. Guest lectures by women leaders, such as H.E. Lila Karsay (Ambassador of Hungary) and Prof. Wan Norbani Wan Noordin (Universiti Teknologi MARA), further inspire female students to pursue impactful careers in science and technology.





# SDG 6: Clean Water and Sanitation

## Sustainable Water Management and Monitoring

Bakrie University integrates water sustainability into every aspect of its operations. In 2024, total measured consumption across Bakrie Group's facilities including the University, reached 62,765 m<sup>3</sup>, tracked in accordance with GRI 303-3 standards. Regular monitoring and laboratory testing ensure that usage remains efficient and compliant with national environmental regulations.

The University's Rector's Circular No. 022/UB/R-SE/III/2022 mandates green-building standards and water-saving features such as low-flow faucets, automated sensors, and drought-tolerant landscaping. These efforts significantly reduce resource consumption while maintaining healthy campus environments.

## Wastewater Treatment and Pollution Prevention

All wastewater from campus facilities passes through an on-site Wastewater Treatment Plant (WWTP) that applies sedimentation and sludge-recovery processes before release. Samples are periodically tested by certified laboratories to verify quality and to comply with environmental standards.

Strict procedures prevent polluted water from entering local systems. Laboratory and maintenance areas are equipped with spill-response kits, secondary containment, and emergency protocols to mitigate any accidental contamination.





## Education and Community Outreach

Water awareness is extended beyond campus through the Gen-Z Water Management Innovation Program, led by the Environmental Engineering Department in 2024. This initiative invited high-school and university students to design small-scale technologies and campaigns for efficient water use, supported by PERPAMSI and the Jakarta Education Agency. Workshops and competitions encouraged creative solutions for conservation and wastewater reuse.

At the policy level, Bakrie University actively contributed to the 10th World Water Forum 2024, sharing research and recommendations on urban water security and sustainable management with national and global stakeholders. Research on microplastics in Jakarta Bay further advances scientific understanding of pollution and its impact on aquatic health.





# SDG 7: Affordable and Clean Energy

## Energy Efficiency and Green Infrastructure

Bakrie University integrates energy efficiency into all aspects of campus development and operations. Under Rector's Circular No. 022/UB/R-SE/III/2022, every new building and renovation must comply with Green Building Council Indonesia (GBCI) standards. This policy ensures the use of smart technologies such as automated lighting, centralized energy management systems, and paperless administrative operations, significantly reducing energy consumption across facilities.

The University's Project Profile 2024–2025 outlines strategic upgrades to retrofit existing infrastructure. Improvements include the installation of LED lighting systems, enhanced insulation, and passive cooling designs to minimize air-conditioning reliance. Energy monitoring devices track consumption in real time, ensuring transparency and continuous optimization of campus energy use .

## Carbon Management and Renewable Transition

Aligned with national efforts toward Net Zero Emissions by 2060, Bakrie University follows the Bakrie Group's carbon management framework. The plan prioritizes emission reductions through renewable energy adoption, energy audits, and emission tracking in compliance with GRI 305-1, 305-2, and 305-5 standards.

Collaborative projects include transitioning to electric mobility through PT VKTR Teknologi Mobilitas and the operation of Bakrie Energi Transisi, which focuses on solar and clean energy solutions. These initiatives illustrate the University's role in contributing to Indonesia's low-carbon economy while promoting innovation in renewable technologies

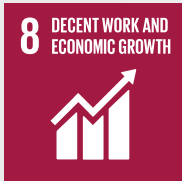


## Education, Outreach, and Community Partnership

Beyond policy implementation, Bakrie University extends its sustainability advocacy to the public. In May 2024, the University partnered with PT Penerbit Erlangga to host a talk show titled “Electric Vehicles and Environmental Sustainability” moderated by a lecturer from the Communication Studies Department. The discussion explored renewable energy adoption, emission reduction, and the role of youth in the clean-energy transition

The University also conducts regular community seminars, public lectures, and workshops on energy-efficient practices in collaboration with NGOs, local governments, and industries. These programs nurture awareness and empower communities to adopt sustainable energy behavior.





# SDG 8: Decent Work and Economic Growth

## **Inclusive and Fair Work Policies**

Bakrie University upholds fair and ethical employment practices through Employment Regulation No. 001–2023, which formalizes pay equity, fair contracts, and non-discrimination for all employees. The regulation guarantees that all staff receive at least the local living wage, reviewed periodically in line with inflation and government standards.

The policy also enforces equal pay for equal work (Article 27), eliminating gender-based pay gaps, and recognizes labour rights and collective bargaining (Article 17). Employees, both local and international, are encouraged to join unions or professional associations, ensuring equitable representation in institutional decision-making.

In line with its anti-discrimination policy (Article 3), Bakrie University provides a safe, inclusive environment for women, people with disabilities, and international staff, reinforcing its core commitment to diversity and inclusion.

## **Workforce Development and Job Creation**

The University actively supports professional growth through structured internships and placement programs. 798 students completed work placements of more than one month across industries, agencies, and NGOs. These partnerships ensure that students gain practical experience while contributing to Indonesia's workforce readiness.

To strengthen economic growth, Bakrie University invests in innovation-led initiatives such as Rhizogit, a sustainable agricultural technology developed by students and faculty. This product, showcased at the International Agricultural Technology Conference (IATC) 2024, exemplifies how innovation from academia can contribute to circular economy models and green industry solutions.

# Sustainable Growth Through Entrepreneurship and Research

Bakrie University embeds entrepreneurship within its curriculum, encouraging students to develop business ideas with real economic and social impact. Start-up incubator programs like B-Innovative and OASIS empower young innovators to pursue sustainable ventures.

On the research side, the University generated Rp 9.1 billion in income from industry collaborations in 2025, strengthening the link between academic expertise and industrial innovation. This partnership ecosystem fosters productivity while aligning with responsible economic practices and decent job creation.

## CIRI AIR BERSIH MENURUT WHO

Tidak Berwarna (Jernih)

Tidak Berasa

Tidak Berbau

Tidak Lengket atau Licin Jika Terkena Kulit

Tidak Mengandung Endapan (Tidak Keruh)

Mempunyai pH Netral (7)

Bebas Bakteri

# OASIS



# SDG 9: Industry, Innovation and Infrastructure

## **Building Smart and Efficient Infrastructure**

Bakrie University has aligned all new infrastructure projects with Green Building Council Indonesia (GBCI) standards to ensure sustainability in design and operation. Through Rector's Circular No. 022/UB/R-SE/III/2022, all renovations and new developments must incorporate smart controls, energy-saving lighting, and centralized management systems. This policy establishes the foundation for low-carbon, high-efficiency campuses that serve both academic and community needs

Existing buildings are gradually upgraded using LED lighting, enhanced insulation, and passive cooling systems to reduce electricity demand. Real-time energy monitoring devices are also installed to track consumption and optimize operational efficiency. These initiatives represent a long-term strategy to achieve carbon neutrality while improving the comfort and resilience of university facilities.

## **Innovation Through Research and Collaboration**

Bakrie University's innovation ecosystem connects research, entrepreneurship, and industry collaboration. The University reported 12 spin-off enterprises and a total research income of Rp 9.1 billion, with contributions from STEM, medical, and social-science fields.

Among the most recognized outputs is Rhizogit, an agricultural technology developed by the Faculty of Engineering and Computer Science. This innovation, showcased at the International Agricultural Technology Conference (IATC) 2024, applies bio-based principles to increase soil fertility and reduce chemical dependency, illustrating how university research contributes directly to sustainable industries

Research collaborations are not limited to Indonesia. Through partnerships with Kyushu University, Japan, and participation in ISOFAR (International Society of Organic Agriculture Research), Bakrie University contributes to regional best practices in sustainable energy, agriculture, and food systems.

## **Community Engagement and Industry Partnership**

In line with the Tridharma of Higher Education, Bakrie University actively transfers technology and expertise to small and medium enterprises through workshops, startup mentoring, and industry dialogues. These activities bridge the gap between academia and the market, encouraging innovation-driven economic growth.

The University also prioritizes industry-oriented student projects, enabling learners to apply their knowledge in real business settings. Many of these projects are developed in collaboration with companies within the Bakrie Group, ensuring that research outcomes are directly linked to industrial transformation and green innovation.



# SDG 10: Reduced Inequalities

12

International students from  
developing countries

3

Students with  
disabilities

2

Employees with  
disabilities

## **Promoting Diversity and Inclusive Education**

Bakrie University is deeply committed to reducing inequalities by creating an academic environment that is accessible, fair, and empowering for everyone. 656 of 1,312 new students were first-generation university learners, proof that higher education at Bakrie University continues to open doors for underrepresented communities.

The University also welcomes international students from developing countries, including Timor-Leste and the Philippines, supported through scholarships and mentorship programs to ease cultural and academic transition. With Rector's Decree No. 032/SK/UB/R/I/2025, Bakrie University ensures accessibility and equal opportunity for students with disabilities, supported by specialized counselling, adaptive facilities, and personalized academic adjustments.

## **Equal Opportunities and Anti-Discrimination Framework**

Inclusivity is embedded in every institutional policy. The Employment Regulation (Article 3) prohibits any form of discrimination based on gender, religion, disability, or background. Faculty recruitment, promotion, and training follow transparent merit-based criteria to ensure equality.

A dedicated Diversity, Equality, and Ethics Committee established under Rector's Decree No. 113/SK/UB/R/V/2024 monitors compliance and promotes human rights education within the campus community. This body provides advisory support, conducts ethics reviews, and oversees preventive measures to uphold fairness and inclusivity in all academic and administrative activities

## Empowering Underrepresented Communities

Through community engagement programs, Bakrie University extends its inclusivity efforts to local neighborhoods and schools. Initiatives such as digital literacy workshops, financial literacy training, and rural education projects target youth and families from low-income groups, helping them access information and skills necessary for social mobility.

The University also collaborates with national agencies and NGOs to support students from disadvantaged regions, offering pathways into higher education through targeted scholarships and preparatory programs. In 2024, these collaborations enabled dozens of students from eastern Indonesia to begin degree programs in Jakarta, marking tangible progress toward education equity.

## Accessible Infrastructure and Support Services

Campus accessibility improvements continue each year, including ramps, wider pathways, and dedicated disability support areas. The University provides adaptive technology when needed, ensuring that every student can participate fully in academic life.





# SDG 11: Sustainable Cities and Communities

## Integrating Sustainability into Urban Development

Bakrie University contributes to sustainable urban living by embedding green infrastructure and community accessibility into its campus design. Located in Jakarta's Rasuna Epicentrum, the University occupies a repurposed brownfield site, demonstrating a commitment to sustainable land use and urban revitalization.

All new campus developments adhere to GBCI standards, ensuring energy efficiency, resource conservation, and healthy indoor environments. The University's Rector's Circular No. 022/UB/R-SE/III/2022 mandates the use of automated lighting systems, optimized ventilation, and eco-friendly materials in all construction and renovation projects. These principles extend beyond campus operations, serving as a model for sustainable urban campuses in Indonesia.

## Cultural Preservation and Public Engagement

Cultural and heritage preservation are key components of Bakrie University's community mission. Through the Geopark Study Center, the University collaborates with Geopark Maros in South Sulawesi and Ciletuh Geopark in West Java to promote eco-tourism, geological conservation, and environmental education.

In 2024, the VALSKRIE Festival, led by the Communication Studies Program, celebrated 14 Indonesian traditional wedding rituals, inviting the public to experience cultural diversity and creative expression on campus. These initiatives transform the University into a living hub for art, culture, and sustainable heritage appreciation.

# Accessible and Livable Urban Spaces

The University ensures its facilities remain accessible to both the academic community and the public. Libraries, exhibition areas, and open courtyards are open for community use, while green rooftop gardens and pedestrian walkways promote health and social interaction. The Hybrid/Remote Work Policy (016/UB/R-SE/IX/2024) also reduces commuting, contributing to lower carbon emissions and better work-life balance for staff.

Bakrie University further supports affordable housing options for students and employees through partnerships with Sentra Timur Residence and nearby apartments, improving accessibility and quality of urban living for the campus community



# SDG 12: Responsible Consumption and Production



## Comprehensive Waste and Resource Management

Bakrie University implements a structured environmental management framework that prioritizes reduction, reuse, and recycling across all operations. Through Rector's Decree No. 065/SK/UB/R/V/2023, the University established detailed procedures for managing organic, inorganic, and hazardous waste, including proper segregation, labeling, and disposal in partnership with PT Prasadha Pamunah Limbah Industri (PPLI).

This policy is fully aligned with national environmental standards such as Government Regulation No. 12/1995 on Hazardous Waste Management and the Ministry of Health Regulation No. 7/2019 on Laboratory Waste Handling, ensuring that all waste is safely treated and tracked from source to disposal.



## Minimizing Single-Use Materials and Promoting Reuse

Under Policy No. 020/UB/R/XII/2019, Bakrie University promotes the 3R principles Reduce, Reuse, Recycle, through concrete actions such as limiting single-use plastics (bottles, cups, straws), introducing reusable campus kits for new students, and transitioning to paperless administration.

Campaigns such as “Green Office Challenge” and “Bring Your Own Tumbler” encourage the campus community to adopt low-waste habits. The same standards extend to all third-party vendors and outsourced services, ensuring that partners follow identical waste-management and sustainability protocols. This demonstrates a holistic approach to responsible consumption, beyond internal operations.

## Ethical Procurement and Local Product Prioritization

Through Circular Letter No. 005/UB/R-SE/II/2023, Bakrie University enforces ethical procurement practices that prioritize local and national suppliers for food, goods, and event materials. This policy reduces transportation emissions, supports domestic industries, and aligns with fair-trade and social responsibility principles. By integrating procurement ethics into financial and operational policies, the University contributes to Indonesia’s sustainable economic ecosystem.



13 CLIMATE ACTION



# SDG 13: Climate Action

## Education and Awareness Initiatives

The University's efforts extend beyond infrastructure to learning and awareness. In 2024, Bakrie University launched the "Vehicle Emission Test: So Your Vehicle is Sufficient" campaign, providing free emission testing for students, staff, and surrounding communities. This initiative raises public awareness about air quality and personal contributions to emission reduction.

Climate education is embedded across disciplines, particularly in Environmental Engineering, Communication, and Business programs, ensuring that all students gain knowledge of climate adaptation, mitigation, and sustainability management. Workshops and public lectures on disaster preparedness, climate literacy, and green innovation reinforce the University's educational mission.

## Community-Based Adaptation and Disaster Preparedness

Bakrie University collaborates with government agencies and NGOs to enhance disaster preparedness and adaptive capacity. Through “Rumah Bakrie untuk Negeri (RUBI)”, the University develops sustainable housing and water-storage prototypes for disaster-prone communities in Jakarta and West Java.

Faculty researchers have also contributed to developing an Early Warning System for Earthquakes, combining seismographic monitoring with social-media data analysis to predict natural-disaster risks. These innovations strengthen local resilience and demonstrate how research outcomes can protect vulnerable populations from climate-induced hazards.

## Youth Engagement and Policy Collaboration

The University’s advocacy role is evident through its participation in national and international dialogues such as the Indonesia Youth SDGs Summit 2024, which focused on Climate Action (SDG 13) and Life on Land (SDG 15). In partnership with youth organizations and local governments, Bakrie University promotes green innovation, reforestation, and sustainable waste management as integral parts of national adaptation strategies.





# SDG 14: Life Below Water

## **Marine Conservation and Coastal Stewardship**

Bakrie University integrates marine sustainability into its environmental education and community engagement programs. In August 2024, faculty and students collaborated with the Mangrove Jakarta Community to rehabilitate coastal ecosystems in Muara Baru, Tangerang, combining mangrove planting and coastal cleanup activities. These actions directly supported the recovery of local marine habitats while offering students hands-on conservation experience.

The initiative forms part of the University's Environmental Responsibilities (SDG Accord) Report, which publicly documents outcomes in pollution reduction, habitat restoration, and student experiential learning. By embedding field activities into curricula, Bakrie University ensures that marine protection becomes both a learning process and a measurable institutional impact

## **Education on Sustainable Water and Fisheries Management**

The Environmental Engineering Department leads ongoing educational outreach on freshwater and marine ecosystems, promoting integrated water management and conservation. In 2024, the University hosted the "Gen-Z Water Management Innovation for Sustainable Living" competition, inviting high-school and university students to design small-scale water treatment and waste-reduction technologies.

Meanwhile, the OASIS Chapter X: Collaborating for Clean Water, conducted with PERPAMSI, brought together students, engineers, and community representatives to propose creative solutions for ecosystem resilience and sustainable water use.

## Raising Awareness and Fostering

## Responsible Practices

Bakrie University also advocates for sustainable fisheries and tourism through public education. In collaboration with the Geopark Study Center, a 2024 webinar and colloquium on Environmental Communication and Sustainable Tourism encouraged participants to address marine pollution, overfishing, and coral degradation through community-based approaches.

In parallel, students visited Angke Kapuk Mangrove Nature Tourism Park for hands-on learning about mangrove ecology, replanting methods, and the role of wetlands in coastal defense. These experiences cultivate stewardship values while linking academic research to real-world conservation needs.





# SDG 15: Life on Land

## Land Conservation and Green Initiatives

Bakrie University actively supports the preservation of terrestrial ecosystems through a combination of research, education, and community service. Through the “Hijau untuk Negeri” program initiated by the Bakrie Group (BNBR), students and faculty participate in large-scale tree-planting and reforestation projects aimed at enhancing green coverage and mitigating urban pollution.

The University’s Environmental Engineering Department also promotes land-sensitive waste management through policies that reduce hazardous waste and encourage soil-friendly disposal practices. Rector’s Decree No. 065/SK/UB/R/V/2023 governs waste classification, labeling, and treatment, ensuring minimal contamination and compliance with national environmental standards.

## Biodiversity Protection and Research

Biodiversity is central to Bakrie University’s environmental focus. Research on microbial colonization of microplastics in Jakarta Bay and soil ecosystem balance contributes to understanding the intersection between land and aquatic systems. Student projects under the Sustainability Research Hub explore topics such as composting innovation, sustainable agriculture, and biodiversity mapping in urban areas.

In 2024, the University conducted joint studies with the Mangrove Jakarta Community to evaluate the ecological function of coastal vegetation and its connection to inland biodiversity. These projects provide experiential learning while offering scientific data for conservation strategies.

## Community-Based Ecosystem Restoration

Community engagement remains the cornerstone of Bakrie University's terrestrial sustainability efforts. The Save Our Mangroves Initiative, which began as a coastal project, has expanded to include inland tree nurseries and land rehabilitation activities involving students and local residents. These initiatives encourage communities to participate in reforestation and environmental stewardship through shared responsibility and education.

In Ayunan Village, the University's community service program restored degraded watershed areas by planting native species and constructing eco-based drainage systems to prevent soil erosion. The initiative integrated environmental science with community participation, strengthening ecosystem resilience and public awareness.





# SDG 16: Peace, Justice and Strong Institutions

## Academic Freedom and Ethical Integrity

Academic freedom is guaranteed under Rector Regulation No. 36/2021, which protects the rights of faculty and researchers to teach, publish, and express ideas responsibly within their disciplines. This policy aligns directly with SDG 16 by fostering an open, inclusive, and critical academic culture.

To reinforce ethical behavior, the University enforces a comprehensive Code of Conduct and Anti-Corruption Policy that applies to all staff and students. Regular workshops on integrity, fair practice, and digital transparency further build a strong ethical foundation across the institution

## Collaboration and Policy Impact

Bakrie University plays an active role in shaping public policy and strengthening institutions nationally and regionally. Its experts contributed to the Indonesia Circular Economy Roadmap and National Action Plan 2025–2045, led by BAPPENAS and UN-PAGE, focusing on governance reforms and sustainable policy integration across multiple sectors.

In November 2024, the University hosted the Short Course on Halal Food Standard Compliance, in partnership with the Philippine Commission on Higher Education (CHED) and the Philippine Embassy, as part of its regional capacity-building initiatives for policymakers and academics. This program exemplifies Bakrie University's outreach in developing inclusive, transparent, and ethical governance systems



## Civic Engagement and Human Rights Advocacy

Bakrie University strengthens civic spaces and inclusive participation through collaborations with civil-society organizations, including *Bicara Udara* and *Women 9.0*. These initiatives promote social dialogue on gender equality, justice, and transparency in policymaking. Academic forums and seminars regularly address human rights, ethical leadership, and good governance, integrating SDG principles into teaching and research under University Regulation No. 002/2023.





# SDG 17: Partnerships for the Goals



## Strategic Global and National Partnerships

Bakrie University views collaboration as the foundation for progress toward sustainable development. In December 2024, the University formalized a Memorandum of Understanding with the Provincial Government of East Kalimantan, marking a key milestone in supporting the province's Green Growth and Circular Economy Roadmap. This partnership strengthens Bakrie University's role as an academic and policy advisor in Indonesia's decentralization era, aligning research and education with regional sustainability goals.

## Academic and Research Collaboration

As part of its growing global engagement, Bakrie University collaborates with Kyushu University (Japan) on sustainable energy and agricultural technology research. Faculty members also serve within the ISOFAR (International Society of Organic Agriculture Research) network, advancing organic and climate-smart agriculture practices. These partnerships create opportunities for student exchanges, joint publications, and comparative policy studies that enhance Indonesia's academic diplomacy.

## Cross-Sector Collaboration and Community Partnerships

Beyond academia, Bakrie University collaborates with NGOs and community organizations such as *We Care Jakarta*, *Bicara Udara*, *Watery Nation*, and *Women 9.0*. These partnerships address urban sustainability, climate literacy, gender equality, and social inclusion through community-based projects and policy discussions.

## Education for Sustainable Development

Bakrie University incorporates SDG awareness and sustainability literacy across all faculties. Through the “Education for the SDGs” framework, every program integrates global goals into its curriculum, ensuring that graduates are equipped with practical knowledge of sustainability principles, social ethics, and innovation for inclusive development.

Annual forums and international guest lectures on sustainability leadership strengthen student engagement in global problem-solving, cultivating a generation that is informed, collaborative, and globally connected.



# The SDG Accord: Transparent Reporting for Global Collaboration

To ensure measurable and transparent contributions to the Sustainable Development Goals, Bakrie University publishes its progress through the SDG Accord, a structured series of public sustainability reports that translate institutional actions into verifiable evidence.

## **The SDG Accord framework consists of four thematic publications:**

- Social Responsibilities Report, covering community engagement and poverty reduction (e.g., SDG 1 & 6).
- Economic Development Responsibilities Report, documenting energy efficiency, infrastructure, and green-campus initiatives (e.g., SDG 7 & 11).
- Environmental Responsibilities Report, detailing waste reduction, climate action, and ecosystem restoration (e.g., SDG 12–15).
- Good University Governance Responsibilities Report, focusing on integrity, inclusion, and multi-stakeholder partnerships (e.g., SDG 16 & 17).

Each report is publicly accessible via the University's SDG portal and is used as official evidence in the Times Higher Education Impact Rankings. Together, these publications capture more than classroom achievements, they document how Bakrie University measures, reports, and improves its sustainability performance through continuous feedback and collaboration.

# The SDG Accord

*The University and College Sector's Collective Response to the Global Goals*

## The 2025 cycle of SDG Accord publications highlights measurable progress such as:

- A 100 % increase in public access to sustainability data through SPADA and open library platforms.
- Integration of energy-efficiency mandates and waste-monitoring systems reported under the Economic and Environmental Responsibilities pillars.
- Expanded international partnerships, with Kyushu University, UN-PAGE, CHED Philippines, and multiple NGOs, documented within the Good University Governance Responsibilities Report as part of SDG 17's accountability narrative.

By embedding the SDG Accord within its governance structure, Bakrie University strengthens its role as a transparent and collaborative institution, where data, partnerships, and policy converge to accelerate sustainable impact across Indonesia and the global academic community.



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