

# Universitas Bakrie

Sustainability Report 2023



# Foreword

As a University located in the heart of Jakarta metropolitan city, Universitas Bakrie has the responsibility to make the Sustainable Development Goals framework as the road map to create the university's vision and mission, especially in creating World Class Quality Education that brings benefit to society.

Universitas Bakrie applies an experiential learning method committed to giving experience to the students living in a dynamic, collaborative academic ecosystem involved with many stakeholders, such as academics, practitioners in industry, and government. The objective is to have a vast horizon for students learning their study programs.

As a global, sustainable commitment goal, we are building an approach to fulfill current needs without sacrificing future generations. For that, at least three elements must be synchronized with sustainability development. These are economic growth, social inclusion, and life protection. The elements are interconnected and fundamental for individual and society's welfare.

Throughout many forefront study programs, Universitas Bakrie has adopted Sustainable Development Goals points into students' learning process. In creating the Three Darma University in Indonesia, we perform real action from SDGs experiences. One of them is achieving food sustainability through Zero Hunger, exercising much research focused on Climate Action points, giving equal space to all people in Gender Equality, and many other efforts based on the overall 17 SDGS points.

*Let's be part of Universitas Bakrie's journey to achieving the SGDs program in 2030.*

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



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# SDG 1 No Poverty

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

Number of students	<b>4310</b>	<b>16%</b>
Number of low income students receiving financial aid	<b>4051</b>	<b>14%</b>

## University Anti - Poverty Programs

Bakrie University as a body has targets to admit students who fall into the bottom 20% of the household income group with the targets approximately 5% from the total students. Scholarships that are given to the student:

- **Bina Prestasi**
- **Bakrie Leaders Scholarship**
- **KIP Scholarship**
- **Yayasan Beasiswa Jakarta**
- **Beasiswa Unggulan, Gemilang, Cemerlang**

Bakrie University provided subsidies of about 20% of academic fee to all students. Bakrie University also provided support for living allowance (food, housing, transportation) aid for students from low income families. Efforts That are given to student from low income families are:

- **Insurance**
- **Legal Service**
- **Bakrie Leader Scholarship**
- **Psychology Consultation**



## Community Anti - Poverty Programs


Bakrie University as a part of Bakrie Group Organized events and assistance in the local community supporting the start-up of financially and socially sustainable businesses through relevant education or resources such as mentorship programmes, training workshops, access to university facilities by:

1. Organizing National Business ideas competition (I-Start Event), where the organizer give assistance, mentoring, and funding for the winners;
2. Training and Financial Support from PIIB Universitas Bakrie.

Bakrie University as a body participates in policy making at local, regional, national and/global level to implement programmes and policies to end poverty in all its dimensions such as:

1. Discussion between Government Of West Nusa Tenggara Province and DompotDhuafa (NGO) for agro tourism development (agro eduwisata) based on waste management BSF (Black Soldier Fly)
2. Faculty member of FoodScience Studies Program Bakrie University (Dr Wahyudi David) presenting “Innovation In Organic Agriculture” in Asian Local Government for Organics Agriculture (ALGOA) Indonesia 2022 in South Korea.





**Bakrie University** participates in policymaking at local, regional, national, and global levels to implement programs and policies to end poverty in all its dimensions, such as:

- Discussion between the Government of West Nusa Tenggara Province and Dompot Dhuafa (NGO) for Agrotourism development (Agro Eduwisata) based on waste management Black Soldier Fly (BSF).
- Bakrie University, together with PT Energi Mega Persada (PT EMP), carried out Corporate Social Responsibility (CSR) in Pelalawan Regency and Siak Regency at Riau Province for Community Economic Empowerment and Improvement, which has produced several outcomes, which include training modules and guidelines intending to reduce poverty in this area.



2 ZERO HUNGER



# SDG 2 Zero Hunger

## Campus Food Waste

Bakrie university as a body measure the amount of food waste generated from food served within the university such as:

1. Bakrie University also initiated a movement to reduce food waste through a social media platform and booth set-up at the university (Zero Hunger such as donating food for needed community) and giving workshops to decrease food waste around campus.
2. Bakrie University measured the amount of waste generated within the university including food waste.

## Student Hunger

Bakrie University as a part of Bakrie Group Supports and provides access on food security and sustainable agriculture knowledge, skills or technology to local farmers and food producers in Lampung Province (TulangBawang Barat) by

1. By advancing the potential of dry-land that can be converted to be used to plant upland rice. Upland rice itself is generally cultivated on a small scale by farmers in the fields and generally local varieties with limited productivity and high vulnerability.
2. Distributing 2,022 sacks of premium rice weighing 5 kg of which half of the quota would be given to village heads in the area around agricultural land to be distributed to the community and 500 bags of rice would be distributed to the community. distributed to social communities in the Lampung area to be forwarded to residents of the city of Bandar Lampung in need.

## National Hunger

Bakrie University as a part of Bakrie Group Supports and provides access on food security and sustainable agriculture knowledge, skills or technology to local farmers and food producers in Lampung Province (TulangBawang Barat) by

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Bakrie University facilitates farmers, and food producers to access University Sensory-Laboratory and Integrated Environmental Laboratory to improve sustainable farming practices such as:

1. Organizing Seminar on Advanced Sensory Analysis for Food Innovation
2. Conducting training The Black Soldier Fly (BSF) Larvae Cultivation in Lombok, the Provincial Government of West Nusa Tenggara.



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# SDG 3 Good Health and Well-Being

## Collaborations and Health Services

Bakrie University as a body has current collaborations with local and national health institutions to improve health & well-being outcomes such as:

- Collaboration with Prudential insurance
- Collaboration with Rasuna Medical Center

Bakrie University as a body delivers outreach programmes and projects in the local community (which can include student volunteering programmes) to improve or promote health & wellbeing including:

- Conducting zero hunger programme which is donating food for the local community and disadvantaged people including students. Moreover held a campus food table tagline to help the local community for hunger.
- Conducting UBakrie run event facilitating the runners to donate for charity programmes.

Bakrie University as a body shares sport facilities with the local community such as:

- Soemantri Brodjonegoro Sport Complex where student and staff can use this facilities with local communities (soccer field, badminton, football, athletic, basketball, climbing, tennis, etc)
- Elite epicentrum sport centers where students, lecturers, staff and the general public can exercise.

**Bakrie University** as a body provides students and staff with access to mental health support by:

- 1 **Active promotion of good mental health**
- 2 **Active promotion of good mental health**

**Bakrie University** as a body has a "smoke-free" policy as stated in:

- 1 **Student Guide2022**
- 2 **Circular letter from RektorNo.030/UB/R-SE/XII/2022**





# SDG 4 Quality Education

## Proportion of Graduates With Teaching Qualification

Number of graduates	<b>773</b>	<b>32%</b>	
Number of graduates who gained a qualification that entitled them to teach at primary school level	<b>756</b>	<b>32%</b>	

## Lifelong Learning Measures

Bakrie University as a body provides free access to educational resources for those not studying at the university through:

1. Providing Educational resources for the public to access through our platform what we called as SPADA Bakrie University. Through this platform, the public can access our online courses, and lectures.free courses leading to certificate or award such as: CISCO, SAS, Accurate (accounting software)
2. Provide digital libraries with public access to download free ebooks.
3. Bakrie University hosts public events that are open to the general public such as: Seminar Entitled "Indonesian Youth SDGs Summit 2022".
4. Conducting general public lectures on a monthly basis from various academic disciplines such as: government, professional, association and open to public.

Bakrie University as a body educational host events at university that are open to the general public such as:

- Guest Lecturer "Earthquake Potential and Tsunami in Java Island and Mitigation Effort".
- Guest Lecture "Tailoring Management Planning For Environmental Sustainability".

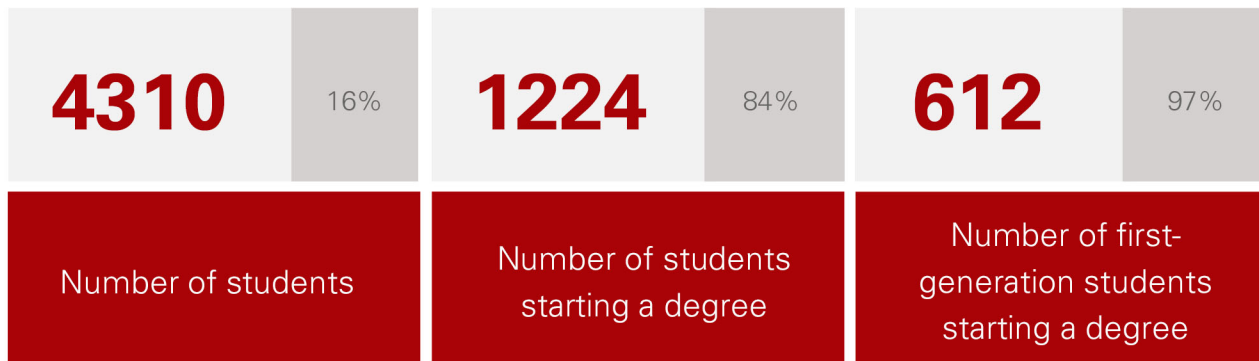
Bakrie University undertaken educational outreach activities beyond campus such as:

- Black Soldier Fly (BSF) larvae cultivation training at western Nusa Tenggara Province (on Programmed Basis).
- Geothermal Energy Ulubelu Kembangan Coffee Village as Destination Branding Strategy in Ulubelu Tanggamus Lampung.

Bakrie University has policies to ensure that access to University activities is accessible regardless of ethnicity, religion, disability, immigration status or gender to all as stated in:

- 036-2021 Rector Decree on Campus Environment Guideline
- 010-2021 on Technical Guidelines of New Academic Year Students 2022-2023.

# Proportions of First Generation Student





# SDG 5 Gender Equality

## Proportion of First-Generation Female Students

4310	1224	612	431	71
16%	84%	97%	16%	20%
Number of students	Number of students starting a degree	Number of first-generation students starting a degree	Number of women starting a degree	Number of first-generation women starting a degree

## Student Access Measures

Bakrie University systematically measures/tracks women's application rate, acceptance/entry rate and study completion rate at the university as stated in the rector's speech.

Bakrie University as a body provide women's access schemes such as:

1. Bakrie University Held a mentoring programme during Marcom Week 2022 entitled "Girls Empowerment: YouDeserve Better".
2. Bakrie University held a mentoring programme entitled "In Policy making, Women Represent ("InPower")", In Power highly appreciates five key values: impact-driven, exemplary performance, holistic self actualization, leading with integrity, and thriving on collaboration for women.





# Bakrie University encourages future female students to choose study programs that are underrepresented through:

- 1** Held Macaroni Bridge Competition in collaboration with highschool around South Jakarta to attract women students in civil engineering study program.
- 2** Held Campus Goes To School (CGTS) programme in collaboration with highschools to attract women student in Information System, Informatics, Industrial Engineering and Civil Engineering students.

<b>Number of employees</b>	220	-6%
<b>Number of academic staf</b>	113	19%
<b>Number of academic staff</b>	47	4%
<b>Number of female senior academic staff</b>	30	0%

## Proportion of women receiving degrees

Number of graduates	<b>773</b>	<b>33%</b>
Number of graduates by subject area (STEM), Medicine, Arts & Humanities/ Social Sciences):Total	<b>773</b>	<b>33%</b>
Number of graduates: STEM	<b>241</b>	<b>66%</b>
Number of graduates: Medicine	Status: Unavailable Reason: There is no faculty of medicine	
Number of graduates: Arts & Humanities / Social Sciences	<b>454</b>	<b>12%</b>
Number of female graduates: STEM	<b>126</b>	<b>100%</b>
Number of female graduates by subject area (STEM, Medicine, Arts & Humanities / Social Sciences): Total	Status: Unavailable Reason: There is no faculty of medicine	
Number of female graduates: STEM	<b>126</b>	<b>100%</b>
Number of female graduates: Medicine	Status: Unavailable Reason: There is no faculty of medicine	
Number of female graduates: Arts& Humanities/Social Sciences	<b>328</b>	<b>-4%</b>

Bakrie University has a policy of non-discrimination against women stated in Employment regulations as follows:

- Bakrie University Employee Regulation; (Evidence 1, article 3 point 1)
- Rektor Decree on New Students Intake Guidelines.

6 CLEAN WATER AND SANITATION



# SDG 6 Clean Water and Sanitation

## Water Usage and Care

Bakrie University as a body has a process in place to treat wastewater such as:

- Policy Regarding clean water, proper sanitation, and handling of waste water
- Bakrie University as a part of Bakrie Group Implemented air control and distribution systems that can reduce leaks, oversupply, and wastewater treatment.

Bakrie university as a body plants landscapes to minimise water usage such as:

- Providing Open and green spaces around campus area (30% of total area)
- Students of Bakrie University planted trees to preserve water usage in Cijantur Bogor, West Java.

Bakrie University as a body has a policy to maximise water reuse across the university such as:

- Policy in water reuse as stated in 022/UB/R-SE/III/2022
- Promoting efficiency of water usage and management through student competition in water management innovation.

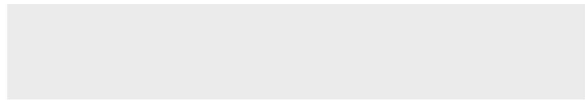


# Water in The Community

Bakrie University as a body provides educational opportunities for local communities to learn about good water management such as:

Training of EPANET software civil servants in South Sumatra Region by faculty members of Environmental Engineering Study Programme.

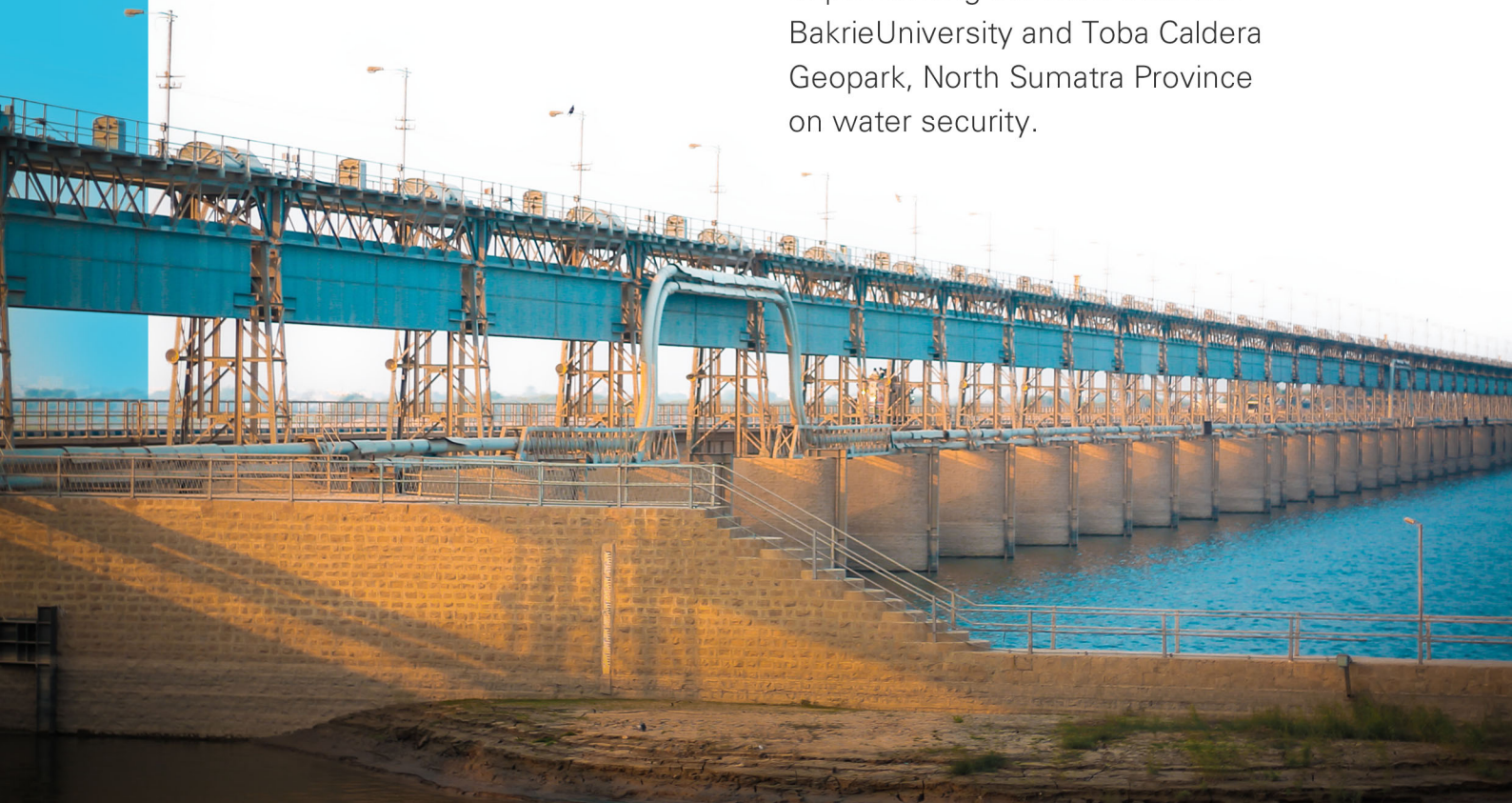
Research entitled Determination of Water Quality Status in the Upper Ciliwung Katulampa-Kedunghalang River, Bogor City for Heavy Metal Parameters Using Pollution Index Method by student of Environmental Engineering Study Programme.



Bakrie University as a body cooperates with regional and national governments on water security such as:

Conducting Generale Lecture entitled "Mine Water Management Planning for Environmental Sustainability" in East Kalimantan Province

Implementing the MoU between Bakrie University and Toba Caldera Geopark, North Sumatra Province on water security.



7 AFFORDABLE AND  
CLEAN ENERGY



# SDG 7

## Affordable and Clean Energy

### University Measures Towards Affordable and Clean Energy

Bakrie University as a body has a policy in place for ensuring all renovations / new builds are following energy efficiency standards such as:

- The policy document entitled Energy Efficiency, Water Saving, and Green Campus
- Bakrie University as a part of Bakrie Group implemented ISO 14001:2015 on Environmental Management System.

Bakrie University as a body undergoes energy reviews to identify areas where energy wastage is highest such as:

- Implementation Of the Policy of Energy Efficiency, Water Saving, and Green Campus as stated indecree no. 022/UB/R-SE/III/2022
- Participating in UI Green Metric regarding energy and climate change

8 DECENT WORK AND  
ECONOMIC GROWTH



# SDG 8 Decent Work and Economic Growth

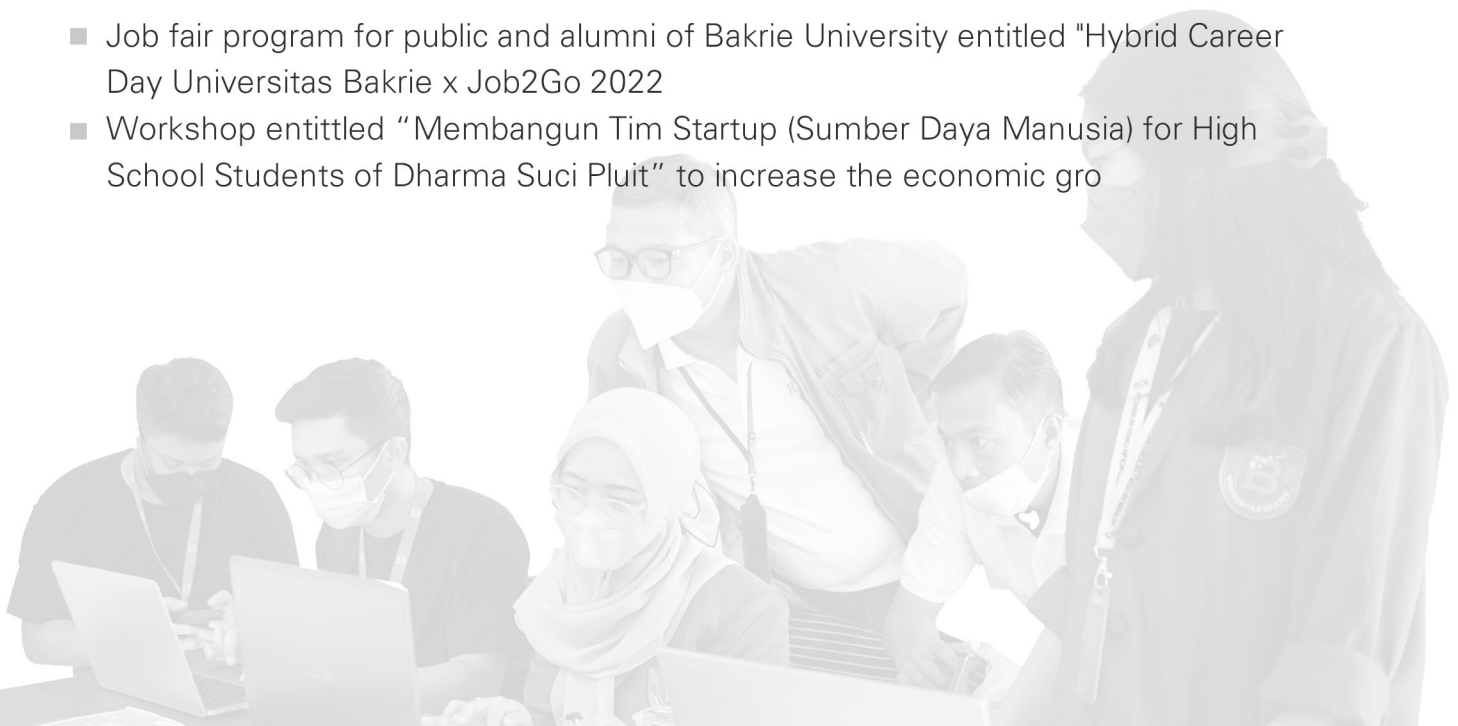
## Employment Practice

University Decent Work and Economic Growth Program  
Bakrie University supports SDG 8 by conducting the following activities:

- Job fair program for public and alumni of Bakrie University entitled "Hybrid Career Day Universitas Bakrie x Job2Go 2022"
- Workshop entitled "Membangun Tim Startup (Sumber Daya Manusia) for High School Students of Dharma Suci Pluit" to increase the economic gro

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**9** INDUSTRY, INNOVATION  
AND INFRASTRUCTURE



# SDG 9 Industry, Innovation, and Infrastructure

## University Spin Offs

Number of university spin-offs

**10**

**25%**

## Research Income From Industry and Commerce

Research income from industry and commerce : Total	<b>Rp 8,858,200,000</b>	<b>0%</b>
Research income from industry and commerce by subject area : STEM	<b>Rp 5,314,920,000</b>	<b>0%</b>
Research income from industry and commerce by subject area : Medicine	<b>Rp 0</b>	<b>NaN%</b>
Research income from industry and commerce by subject area : Arts & Humanities / Social Science	<b>Rp 3,543,280,000</b>	<b>0%</b>
Number of Employees	<b>220</b>	<b>28%</b>
Number of Academic Staff	<b>113</b>	<b>16%</b>
Number of Academic Staff by subject area : STEM	<b>46</b>	<b>2%</b>

Number of Academic Staff by subject area : Medicine	0	NaN%
Number of Academic Staff by subject area : Arts & Humanities / Social Sciences	67	29%

Bakrie University supports SDG 9 by conducting the following activities

- Workshop for farmers in Lombok to integrate zero waste and agro tourism through Black Soldier Fly farming resulting in innovative product such as ugotin and kasgotin
- Strengthening research collaboration with industries to produce innovations. In addition to this, Bakrie University collaborates with PT Geomarindex to create innovation related to advanced geo calculation for infrastructure design.

10 REDUCED INEQUALITIES



# SDG 10 Reduced Inequalities

## First-generation Students

Number of Students	4,310	16%
Number of Students starting a degree	1,224	84%
Number of First-Generation students starting a Degree	612	97%

## International Students from Developing Countries

Number of Students	4,310	16%
Number of International Students from Developing Countries	9	125%

## Proportion of Students with Disabilities

Number of Students	4,310	16%
Number of Students with Disability	0	NaN%

## Proportion of Employees with Disabilities

Number of Employees	220	-6%
Number of Employees with Disability	0	NaN%

### **Bakrie University supports SDG 10 by conducting the following activities:**

Bakrie University supports non-discriminatory treatment on student recruitment and human resources recruitment in the policy, as part of gender, ethnic, religion and socio economic equality treatment. The policy applies in the standards of University Policy stated that all males and females, all ethnic, all religion, and all socio economic status, should be treated equally

The students can choose their study programs, attend their classes as their schedules and have the freedom to speak their minds. This treatment also applies to the Human Resources recruitment, all staff receive no discrimination treatment from the first time their interview until working in University. Furthermore, many policies also approach reduced inequalities such as establishment of eco-friendly facilities for disabilities for example proper rail for disabilities and toilet for disabilities.

### **Bakrie University as a body has an admissions policy which is non-discriminatory or which details and explains the logic for any appropriate positive discrimination policies in admissions, which is publicly posted at:**

Admission policy about non-discriminatory is publicly posted under Rector Regulation No. 010-2021 regarding New Student enrollment and admission Guideline Admission and promotion standards STDSCM-01

### **Bakrie University as a body measures/tracks applications & admissions of underrepresented groups by:**

Measuring percentage of low income students, women, underrepresented groups from the application records and database.

Conducting workshop regarding gender equality

### **Bakrie University as a body takes planned actions to recruit students/staff/faculty form under represented groups by:**

Providing several scholarship programs that cover tuition fees for 8 semesters.

Managing scholarship from the government prioritizing the low-income family students.

Bakrie University as a body has antidiscrimination and anti-harassment policies as stated in:

- Student Guide book academic year 2022/2023
- Employee Regulations No. 001/P/UB/R/VI.2022.

Bakrie University as a body has a diversity and officer tasked by Rector to advise on and implement policies, programmes, and trainings related to diversity, equity, inclusion and human rights on campus by:

- Assigning Faculty member from Political Science Study Programme (Mr. Insan Harahap) to deliver the human rights training on campus
- Assigning Ethical Committee to implement policies related to diversity, equity on campus

Bakrie University as a body provides accessible facilities for people with disabilities by:

- Providing accessible facilities for people with disabilities as show in the document attached
- Having a policy regarding standard facility for people with disabilities.

Bakrie University as a body provides access scheme for people with disabilities through:

- Enrolment scheme (as stated in student enrolment guideline)
- Having a policy regarding standard facility for people with disabilities.

Bakrie University as a body provides facilities for disabilities to participate equally in campus life by providing:

- Ramp and toilet facilities within campus area
- Having a policy regarding standard student services.

11 SUSTAINABLE CITIES  
AND COMMUNITIES



# SDG 11 Sustainable Cities and Communities

## Support of Arts and Heritage

Bakrie University as a body provides public access to buildings, monuments or natural heritage landscapes of cultural significance such as:

Bakrie University through Geopark Study Center in collaboration with Geopark Ciletuh provides public access to visit Ciletuh Geopark, Sukabumi, West Java Province.

Bakrie University through Geopark Study Center in collaboration with Geopark Maros-Pangkep provides public access to visit Geopark Maros-Pangkep, South Sulawesi Province.

Bakrie University as a body provides public access to libraries including books and publications by:

Providing public access through library website, digital library and repository of Bakrie University Library;

Providing access to search books, journals, articles, thesis for public

Bakrie University as a body provides public access such as:

Photographic Exhibition on campus in collaboration with Ecuador Embassy

Photographic Exhibition on campus in collaboration with Azerbaijan Embassy

Bakrie University as a body provides free public access to open spaces and green spaces by:

Providing facilities such as open space and green garden that can be accessed by the public;

Providing running track, climbing wall as shown in the video.

Bakrie University as a body contributes to local arts, in terms of number of annual public performances of university choirs / theater groups / orchestras through:

Regularly traditional dances are performed by student of Bakrie University

Regularly choirs are performed by student of Bakrie University.

## Bakrie University as a body delivers projects that preserve heritage by:

- Performing traditional Saman dance originated from Aceh province to public by students of Bakrie University;
- Performing traditional Mande-Mande folks song from Moluccas Province at The 16th National Folklore Festival by students of Bakrie University.

University expenditure

Rp73,699,162,781

11%

University expenditure on arts and heritage

Rp67,865,175

8%

## Bakrie University as a body delivers projects that preserve heritage by:

- Measuring and setting targets for more sustainable commuting such as supplying electric vehicle buses to TransJakarta (National Public Transport Company) along with Bakrie Group;
- Measuring and evaluating accessibility of Bakrie University and the use public transport by Bakrie University community.

## Bakrie University as a body undertakes actions to promote the % of more sustainable commuting by:

- Providing direct access to public transportation such as: Light Rail Transit and public buses;
- Providing free shuttle rides and electric vehicle recharging stations

**Bakrie University as a body promotes or allows telecommuting or remote working for employees as a matter of policy or standard practice, and/or offer a condensed working week to reduce employee commuting such as:**

Conducting research on application hybrid working model towards changes in work culture and organizational values;  
Having policy on hybrid working for staff and hybrid class for academic activity.

**Bakrie University as a body provides affordable housing for employees by:**

Collaborating with East Sentra apartment to offer special price of apartment/residence for Bakrie University employees.  
Providing housing for employee and student.

**Bakrie University as a body provides affordable housing for students by:**

Providing housing with affordable price for all students.  
Providing apartment for student mobility programme.

**Bakrie University as a body prioritises pedestrian access on campus:**

Providing pedestrian facilities to reduce carbon emission;  
Providing green area that can be used as pedestrian facilities.

**Bakrie University as a body works with local authorities to address planning issues/development, including ensuring that local residents are able to access affordable housing by:**

Collaboration with Local Government of DKI Jakarta to provide easy access to affordable housing through direct access with the Light Rail Transit

Collaborating with Local Government of DKI Jakarta to develop Epicentrum Area around campus that can be easily access by local residents.

**Bakrie University as a body builds new buildings to sustainable standards by:**

Constructing Bakrie University new campus that complies with the standard of Green Building Council Indonesia;

Furnishing Bakrie Tower Campus according to green building standard.

**Bakrie University as a body builds on brownfield sites as part of public service as shown on the following evidence:**

Relocation of Rectorate office to Bakrie Tower 40th floor.

Relocation of staffs and faculty members of Bakrie University to Bakrie Tower 41st floor.



# SDG 12 Responsible Consumption and Production

## Operational Measures

Bakrie University as a body has a policy on ethical sourcing of food and supplies by:

Implementing University regulation no.058/UB/R/XII.2021 regarding safe and sustainable food supply around campus;

Providing easy access to fresh and healthy food from local farmers.

Bakrie University as a body has policy, process or practice on waste disposal Covering hazardous materials by:

Implementing the Dean of engineering regulation on Solid Waste and Liquid Disposal in Laboratories;

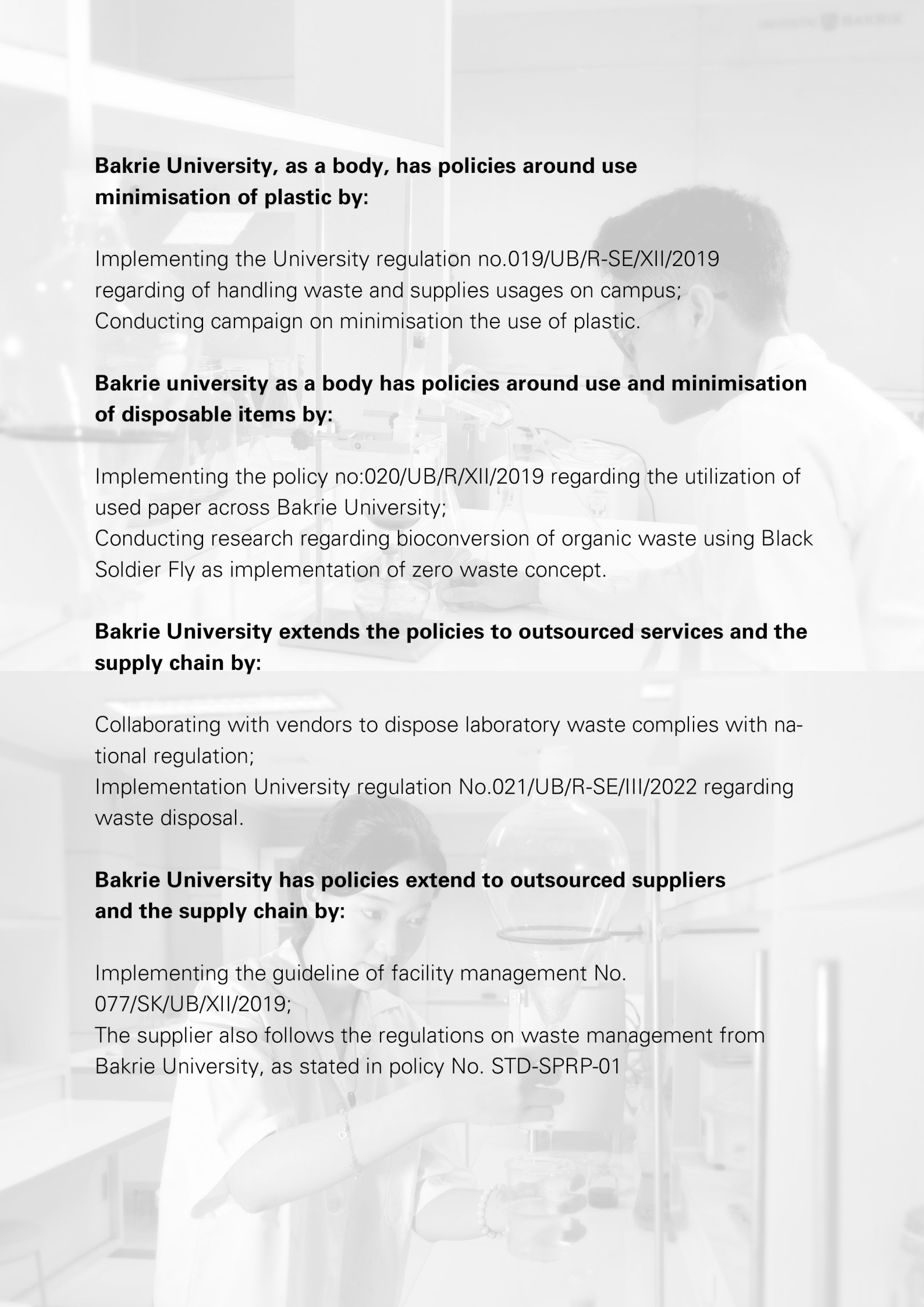
Conducting campaign regarding control instrument of environmental pollution.

Bakrie University as a body, has policy on waste disposal to measure the amount of waste sent to landfill and recycled by:

Implementing University regulation no.004/ED/D-FTIK/UB/VIII/2016;

Conducting campaign regarding The Best Way to Process Domestic Waste.





**Bakrie University, as a body, has policies around use minimisation of plastic by:**

Implementing the University regulation no.019/UB/R-SE/XII/2019 regarding of handling waste and supplies usages on campus;  
Conducting campaign on minimisation the use of plastic.

**Bakrie university as a body has policies around use and minimisation of disposable items by:**

Implementing the policy no:020/UB/R/XII/2019 regarding the utilization of used paper across Bakrie University;  
Conducting research regarding bioconversion of organic waste using Black Soldier Fly as implementation of zero waste concept.

**Bakrie University extends the policies to outsourced services and the supply chain by:**

Collaborating with vendors to dispose laboratory waste complies with national regulation;  
Implementation University regulation No.021/UB/R-SE/III/2022 regarding waste disposal.

**Bakrie University has policies extend to outsourced suppliers and the supply chain by:**

Implementing the guideline of facility management No. 077/SK/UB/XII/2019;  
The supplier also follows the regulations on waste management from Bakrie University, as stated in policy No. STD-SPRP-01

# Proportion of recycled waste

Bakrie University, as a body, measures the amount of waste generated and recycled across the university by:

- Implementation University regulation No.021/UB/R-SE/III/2022 regarding waste disposal.
- Conducting research on waste measurement entitled Planning a Waste Management System for Bakrie University towards Sustainable Campus.



13 CLIMATE ACTION

# SDG 13 Climate Action

## Low Carbon Energy Use

Bakrie University as a body measure the amount of low carbon energy used across the university such as:

- One of the Faculty members of the Informatics department studied the building automation system that can activate the air conditioning system based on remote room temperature sensing via TCP/IP. This research aims to reduce the amount of carbon production in the university building;
- Bakrie University as a part of Bakrie Group measure the use of electrical bus to reduce emission around Bakrie University campus (epicentrum area).

## Environmental Education Measures

Bakrie University provides local education programs or campaigns such as:

- Guest Lectures entitled "Potential Earthquakes and Tsunamis Hazards in Java Island and Mitigation Efforts";
- Sharing session by the faculty member of Environmental Engineering Study Programme regarding how to mitigate the effect of climate change

**Bakrie University participates in co-operative planning for climate change disaster working with government such as:**

Bakrie University give donation to the victims of Cianjur Earthquake.

Guest Lectures entitled "Potential Earthquakes and Tsunamis Hazards in Java Island and Mitigation Efforts";

**Bakrie University as a body inform and support local or regional government in local climate change disaster/risk early warning and monitoring by:**

Supporting local government of West Nusa Tenggara to enhance green environment;

Held training for local government employes of West Nusa Tenggara to achieve zero waste through cultivation of Black Soldier Fly (BSF).

**Commitment to carbon neutral university**

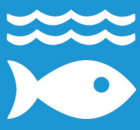
**Bakrie University as a body has a target date by which it will become carbon neutral according to the Greenhouse Gas Protocols through the following activities:**

Bakrie University as part of Bakrie Group has Commitment to carbon neutral according to the greenhouse gas protocol by 2030

Bakrie University as a part of Bakrie Group measure the use of electrical bus to reduce emission around Bakrie University campus (epicentrum area).



14 LIFE  
BELOW WATER



# SDG 14 Life Below Water

## Supporting Aquatic Ecosystems Through Education

**Bakrie University, as a body, offered educational programs on fresh-water ecosystems for local or national communities, such as:**

The environmental engineering department at Bakrie University initiated the seminar regarding the mine drainage management plan for a sustainable environment;

The environmental engineering department at Bakrie University equips students with theory and practice by conducting a field visit as part of the course to PT Moya Bekasi Jaya, a water supply company

**Bakrie University, as a body offers educational programs on sustainable management of fisheries, aquaculture, and tourism for local or national communities by**

Collaboration between the Geopark Study Center Universitas Bakrie and Nuffic Neso (Netherlands) held a webinar with the topic "Living Lab Tourism: Sustainable Tourism North Sumatra."

Providing direct services in collaboration with Pertamina Geothermal Energy for improving geothermal and coffee tourism in village Ulubelu Tanggamus, Lampung province.

**Bakrie University as a body offers educational outreach activities for local or national communities to raise awareness about overfishing, illegal, unreported, and unregulated fishing, and destructive fishing practices by:**

Collaborating with Bakrie Amanah (NGO) planted 1,000 mangroves in the Bekasi Bahagia bay area to rehabilitate the ecosystem;

Conducting research entitled "Indonesia's Maritime Diplomacy Strategy towards China in fighting Transnational Crime (Illegal, Unreported and Unregulated (IUU) fishing in the 2015-2020 Jokowi Administration Era)".

# Supporting Aquatic Ecosystems Through Action

Bakrie University, as a body, supports and/or organizes events aimed at promoting conservation and sustainable utilization of the oceans, seas, lakes, rivers, and marine resources, such as:

Collaborating with Bakrie Amanah (an NGO), we planted 1,000 mangroves in the Bekasi Bahagia Bay area to rehabilitate the ecosystem.;

Bakrie University, as a body, supports water conservation off campus by doing research on microplastic pollution in the water and sediment of the Krukut River, Jakarta.

**Bakrie University as a body has a policy to ensure that food on campus that comes from aquatic ecosystems is sustainably harvested, as stated in university policy.**

Bakrie University, as a body, works directly (through research and/or engagement with industries) to maintain and extend existing ecosystems and their biodiversity, of both plants and animals, especially ecosystems under threat by:

Collaborating with Bakrie Amanah (an NGO), planting 1,000 mangroves in the Bekasi Bahagia Bay area to rehabilitate the ecosystem;

Conducting research entitled "Indonesia's Maritime Diplomacy Strategy towards China in fighting Transnational Crime (Illegal, Unreported and Unregulated (IUU) fishing in the 2015-2020 Jokowi Administration Era)".

**Bakrie University, as a body, works directly (through research and/or engagement with industries) on technologies or practices that enable the marine industry to minimize or prevent damage to aquatic ecosystems, such as:**

Collaborating with Bakrie Amanah (NGO), planting 1,000 mangroves in the Bekasi Bahagia bay area to rehabilitate the ecosystem;

Conducting research on microplastic pollution in the coastal water of Jakarta Bay.

## Water sensitive waste disposal

Bakrie University, as a body, has water quality standards and guidelines for water discharges by:

Implementation of Dean of Engineering Regulation on Solid Waste and Liquid Disposal in Laboratories;

Conducting research entitled Determining the Water Quality Status of the Ciliwung River Upstream for Heavy Metal Parameters Using the Pollution Index Method

**Bakrie University as a body has an action plan in place to reduce plastic waste on campus, as stated in:**

The university regulation No.022/UB/R-SE/III/2022 regarding energy efficiency, water saving, and green campus policy;

Conducting research entitled "Design of a Waste Management System at Bakrie University for Sustainable Campus Building Integration".

**Bakrie University as a body has a policy on preventing and reducing marine pollution of all kinds, in particular from land-based activities through:**

Research activities entitled "Micro plastic pollution in the coastal water of Jakarta Bay, Indonesia";

Research activities entitled "Microplastic pollution in the water and sediment of Krukut River, Jakarta, Indonesia."

## Maintaining a local ecosystem

**Bakrie University s a body has a plan to minimize physical, chemical and/or biological alterations of related aquatic ecosystems through:**

Research entitled Determination of Water Quality Status in the Upper Ciliwung Katulampa-Kedunghalang River Bogor City for Heavy Metal Parameters Using Pollution Index Method;

Conducting research entitled "Indonesia's Maritime Diplomacy Strategy towards China in fighting Transnational Crime (Illegal, Unreported and Unregulated (IUU) fishing in the 2015-2020 Jokowi Administration Era)".

**Bakrie University, as a body, monitors the health of aquatic ecosystems, such as:**

Collaborating with Bakrie Amanah (an NGO) planting 1,000 mangroves in the Bekasi Bahagia Bay area to rehabilitate the ecosystem;

Research activities entitled "Micro plastic pollution in the coastal water of Jakarta Bay, Indonesia"

**Bakrie University, as a body, develops and supports programs and incentives that encourage and maintain good aquatic stewardship practices, such as:**

Conducting research entitled "Microplastic pollution in the water and sediment of the Krukut River, Jakarta;"

Research activities entitled "Micro plastic pollution in the coastal water of Jakarta Bay, Indonesia"

**Bakrie University as a body collaborates with the local community, e.g., through partnerships, in efforts to maintain shared aquatic ecosystems, by:**

Collaborating with Bakrie Amanah (an NGO) planted 1,000 mangroves in the Bekasi Bahagia Bay area to rehabilitate the ecosystem;

Cooperation between Geopark Study Center of Bakrie University and Nuffic Neso (Netherlands) held a webinar with the topic "Living Lab Tourism: Sustainable Tourism North Sumatra."

**Bakrie University as a body has implemented a watershed management strategy based on location specific diversity of aquatic species by:**

Conducting research entitled "The Occurrence of Microplastic in Suckermouth Armored Catfish in Krukut River, Jakarta, Indonesia"

Cooperation between Geopark Study Center Universitas Bakrie and Nuffic Neso (Netherlands) held a webinar with the topic "Living Lab Tourism: Sustainable Tourism North Sumatra."



15 LIFE ON LAND



# SDG 15

## Life On Land

### Supporting land ecosystems through education

Bakrie University, as a part of the Bakrie Group, supports and/or organizes events aimed at promoting conservation and sustainable utilization of the land, including forests and wild land, by:

- Planting total 1000 mangrove seed in 2022 as part of the nature conservation program "Green for Nation."
- Greenhouse Gas emissions reduction from BNBR's investment in hybrid solar powered power plant at Selayar Island, in collaboration with Perusahaan Listrik Negara (PLN);
- Recycling 545,477 Ton of Solid waste in 2022.

Bakrie University as a body works directly to maintain and extend existing ecosystems and their biodiversity, of both plants and animals, especially ecosystems under threat by:

- Collaborating with Bakrie Amanah (NGO) planted 1,000 mangroves in the Bekasi Bahagia Bay area to rehabilitate the ecosystem;
- Collaborating with Pertamina Geothermal Energy at Ulubelu to develop coffee village as a tools for branding destination strategy.

Bakrie University, as a body, offers educational programmes on ecosystems (looking at wild flora and fauna) for local or national communities by:

- Collaboration between the Geopark Study Center Universitas Bakrie and Nuffic Neso (Netherlands) held a webinar with the topic "Living Lab Tourism Sustainable Tourism North Sumatra";
- Giving educational programme for local communities regarding cultivation of Black Soldier Fly (BSF) to support sustainable agriculture especially for poultry and fishery.

Bakrie University, as a body, offers educational programmes on ecosystems (looking at wild flora and fauna) for local or national communities by:

- Collaboration between the Geopark Study Center Universitas Bakrie and Nuffic Neso (Netherlands) held a webinar with the topic “Living Lab Tourism Sustainable Tourism North Sumatra”;
- Agro Edu Tourism provides education to public regarding the processing of organic waste by BSF (Black Soldier Fly). The facilities could be use for field observation by school children or people to see how processing can be done.

## Supporting land ecosystems through action

Bakrie University, as a part of the Bakrie Group, has a policy to ensure the conservation, restoration, and sustainable use of terrestrial ecosystems associated with the university, in particular forests, mountains and drylands by:

- Implementation of Solid Waste Recycled in 2022 as stated in Integrated Annual Report 2022 page 219;
- To conserve marine ecosystem by protecting water and preventing macroplastic pollution enter water body.

Bakrie University, as a body, has a policy to identify, monitor, and protect any IUCN Red Listed species and national conservation list species with habitats in areas affected by the operation through:

- The research done by Geopark Research Center of Bakrie University regarding development of national geopark in Indonesia;
- The collaboration between Bakrie University with Bakrie Amanah (NGO) in planting 1,000 mangrove trees in the Bekasi Bahagia Bay area to rehabilitate the ecosystem;

Bakrie University as a body includes local biodiversity into any planning and development process construction of new building such as:

- Planning to built a green campus which implemented energy efficiency policy;
- Implementation of energy efficiency across Bakrie University facilities.

Bakrie University, as a body, has a policy to reduce the impact of alien species on Campus by conducting:

- Research entitled Microbial colonization of microplastics in the coastal water of Jakarta Bay;
- Research between faculty member and student of environmental engineering programme regarding Microbial diversity that resides in microplastics pollutants in the coastal area of Jakarta.

Bakrie University as a body collaborates with the local community in efforts to maintain shared land ecosystems by:

- The collaboration between Bakrie University with Bakrie Amanah (NGO) in planting 1,000 mangrove trees in the Bekasi Bahagia Bay area to rehabilitate the ecosystem;
- Protecting land ecosystem by designing waste management surrounding Toba lake.

## Land sensitive waste disposal sensitive

Bakrie University as a body, has water quality standards and guidelines for water discharges by:

- Preventing polluted water entering the water system, such as research on Microplastic pollution in the water and sediment of Krukut River, Jakarta, Indonesia;
- Conserving marine ecosystem by protecting water and preventing macroplastic pollution enter water body.

Bakrie University has a policy of process or practice on waste disposal, covering hazardous materials such as:

- Policy of the Dean of Engineering and Computer Science Faculty regarding Solid Waste and Liquid Disposal in Laboratories No. 004/ED/D- FTIK/UB/VIII/2016.
- Research by faculty member and student of Civil Engineering and Environmental Engineering Study Programme on waste management.

**16** PEACE, JUSTICE  
AND STRONG  
INSTITUTIONS



# SDG 16

## Peace, Justice and Strong Institutions

### University governance measures

**Bakrie University as a body have elected representation on the university's highest governing body such as:**

- Student union
- University senate

**Bakrie University as a body recognises an independent students' union by:**

- Rector degree no. 003/P/UB/R/IX.2022 regarding Students' Union Facility;
- Support Students' Union to do communities services programme.

**Bakrie university as a body has written policies and procedures to identify local stakeholders external to the university and engage with them such as:**

- Provided Manual Standard in partnership;
- MoU signing between center of research and development Bakrie University with West Nusa Tenggara Province Government.

**Bakrie university as a body ensures that local stakeholders in the university, including local residents, local government, and civil society representatives (which may include groups such as refugee resettlement agencies), have a meaningful mechanism or for**

**participating in university decision making by:**

- Freedom to express their opinions through Center of Communities Services of Bakrie University;
- Endorsement of master programme in communication science by the Coordinator of The Higher Education Institution Region III Jakarta area.

**Bakrie university as a body has a publications of the university's principles and commitments on organized crime, corruption & bribery such as:**

- Bakrie University participated in Indonesian Rector Forum 2022 which is signing commitments against bribery, corruption, and organized crime;
- Subjects regarding corruption, human rights, ethics, and gender equality are mandatory and integrated across the full curriculum at all study programs of Bakrie University

**Bakrie University has a policy on supporting academic freedom such as:**

- Freedom to do research, speak and teach publicly;
- Rector of Bakrie University became the keynote speaker at Central Queensland University (CQUniversity) graduation ceremony regarding women leadership in Indonesia.

# Bakrie University has a publication of university financial data to internal stake holders every year.

## Working with government

**Bakrie university as a body provides specific expert advice to local, regional or national government such as:**

- Giving expert advices to Indonesian government through a national television program (tvOne);
- Expert from food science study programme of Bakrie University gave advices to National Food and Drugs Agency regarding food safety.

**Bakrie university as a body provides outreach, general education, up skilling and capacity- building to policy- and law-makers on relevant topics such as:**

- Conducting Black Soldier Larvae Cultivation Training in supporting Zero Waste and increasing empowerment of Lombok Community, West Nusa Tenggara;
- Conducting training for government employee of finance ministry regarding management of business competition.

**Bakrie university as a body undertakes policy- focused research in collaboration with government departments such as:**

- Collaboration with local government of West Nusa Tenggara develop Black Soldier Fly Larvae Cultivation or BSF or what we know of Lalat Tentara



Hitam (Indonesian Language). In order to support Zero Waste Program, Zero Waste West Nusa Tenggara is one of forefront program from West Nusa Tenggara local government;

- Bakrie University is collaborating with PT Pertamina Geothermal Energy (PGE) in the Ulubelu Area to develop a coffee village in the Geothermal Tourism Village in Ulubelu, Tanggamus, Province of Lampung.

**Bakrie university as a body provides a neutral platform and "safe" space for different political stakeholders to come together to frankly discuss challenges such as:**

- Diplomatic Stage which provides neutral platform opportunity for diplomat from all country to discuss on particular issue with lecture, student, or public;
- Diplomatic Stage which provides neutral platform opportunity for diplomat from Ukraine regarding "Imagining Peace in Ukraine".

### Proportion of graduates in law and civil enforcement

<b>Number of graduates</b>	773	33%
<b>Number of total graduates from law and enforcement related courses</b>	109	122%



17 PARTNERSHIPS  
FOR THE GOALS



# SDG 17 Partnership for the Goals

## Relationships to Support The Goals

Bakrie University has several relationships with the government, NGO, and other institutions to take part in developing potential natural resources, human resources and micro, small and medium Enterprises capabilities such as increasing quality education for Human Resources of Government civil Servant, Bakrie University has established join cooperation with National Development Planning Agency Republic of Indonesia and Central Queensland University Australia for Double Degree MM-MBA program, promoting zero hunger program by maintaining collaboration with local government of Jakarta through developing Small and Medium entrepreneurship and guidance program, furthermore, as part of encouraging Sustainable Cities and Communities, Bakrie University accelerates the creation of Geoparks including different sites such as Belitong, Batur, Ciletuh, Pongkor, Caldera Toba.

Bakrie University strongly initiates and participates in cross-sectoral dialogues about SDGs such as

- International Conference on Youth SDGs 2022.
- Webinar World Environment Day Ciletuh Pelabuhan ratu Geopark Youth Forum (June 2022).
- Discussion between the Government of West Nusa Tenggara Province and Dompet Dhuafa (NGO) for agro-tourism development (Agro Eduwisata) based on waste management Black Soldier Fly (BSF).

## Publication of SDG reports

Bakrie University publishes progress against SDG1 that can be described as:

- International Conference on Youth SDGs 2022.  
Webinar World Environment Day Ciletuh Pelabuhan ratu Geopark Youth Forum (June 2022).

- Bakrie University offered several scholarships for needed students with different schemes such as Unggulan (fully subsidized), Gemilang (50% subsidized) and Cemerlang (25% subsidized).

## **Education for the SDGs**

Bakrie University as a body have a commitment to meaningful education around the SDGs across the university, that is relevant and applicable to all students such as:

- Subjects regarding corruption, human rights, ethics, and gender equality are mandatory and integrated across the full curriculum at all study programs of Bakrie University
- Bakrie University held Indonesian Youth SDGs Summit 2022 attended by 3100 Indonesian Young Leaders.



UNIVERSITAS  
**BAKRIE**

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