

Universitas Bakrie

Sustainability Report 2022



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.

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Rector of Universitas Bakrie



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1 NO POVERTY



SDG 1 No Poverty

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

Number of students

3,730

Number of low income students
receiving financial aid

3,544

University Anti - Poverty Programs

Bakrie University has scholarships program that targets admitting students who fall into the bottom 20% of the household income group, with a target of approximately 5% of the total students.

Bakrie University has 100% graduation/completion targets from scholarship recipient students (Bina Prestasi Scholarship) from the beginning of their study until they graduate.

Bakrie University provides subsidies of about 20% of the academic fee to all students. Bakrie University also provided support for living allowance (food, housing, transportation) aid for students from low-income families.

Bakrie University has programs and initiatives to assist students who fall into the bottom 20% of household income group to complete their studies by providing :

- **Living Allowance**
- **English Language Training**
- **Etc**
- **Business Incubator Training**
- **Academic Counselling**

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 programs, training workshops, and access to university facilities by :

1. Organizing National Business ideas competition (I-Start Event), where the organizer gives assistance, mentoring, and funding to the winners.
2. Organizing Innovation Workshop with the topic of developing business for undergraduate students.


Bakrie University provides financial assistance to the local community, such as rebranding the start-up of small businesses from 820 schools in Western Java Province and creating product display programs for innovative start-ups for small businesses.



Bakrie University organized training or programs to improve access to essential services for all, such as :

1. Providing workshops on food product display for community small and medium enterprises.
2. Faculties and students of Bakrie University conducted the event "Let's Take Action for Zero Hunger," supporting SDG Zero Hunger, such as donating food to the community.





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.

The icon for SDG 2 Zero Hunger, featuring the number 2, the text 'ZERO HUNGER', and a white bowl with three wavy lines above it, all on a yellow square background.

2 ZERO HUNGER

SDG 2 Zero Hunger

Campus Food Waste

The Food Science and Technology Study Program of Bakrie University evaluates and measures the amount of food waste around the university. 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 to needed community Moreover) and giving workshops to decrease food waste around campus.

Student Hunger

Bakrie University has a food donation program to help the students who live in their rented rooms, especially during the COVID-19 pandemic. Also, Zero Hunger, such as donating food to the needy community, including students Moreover held a campus food table tagline to help the local community with hunger.

Bakrie University provides food supplies to students with limited access to healthy food through Zero Hunger, such as donating food for the needy community, including students, and various programs such as distributing vitamins, honey, food, and healthy snacks to the student.

Bakrie University provides a variety of food choices for all the staff and students (including a menu for vegetarians).

Bakrie University provides healthy and affordable food choices for all on campus, as shown in the Food court as attached.

Proportion of Graduates in Agriculture and Aquaculture Including Sustainability Aspects



580

Number of graduates

72

Number of low income students receiving financial aid

National Hunger

Bakrie University, as a part of Bakrie Group support sand provides access to food security and sustainable agriculture knowledge, skills, or technology to local farmers and food producers in Lampung Province (Tulang Bawang Barat) by:

Advancing the potential of dry-land that can be converted to be used to plant upland rice. Up and the rice itself is generally cultivated on a small scale by farmers in the fields/fields and typically local varieties with limited productivity and high vulnerability.

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 Bandar Lampung.

Bakrie University held a free training series (The Black Soldier Fly (BSF) Larvae Cultivation Training) for farmers in Lombok, Western Nusa Tenggara Province. 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 a Seminar on "Advanced Sensory Analysis for Food Innovation." Conducting training The Black Soldier Fly (BSF) Larvae Cultivation in Lombok, the Provincial Government of West Nusa Tenggara
- 2** Bakrie University and Bakrie Center Foundation (BCF) prioritized the purchase of products from local, sustainable sources, such as educating the local community on food security (urban Farming, household poultry).





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 Rasuna Medical Center
- Collaboration with BNI Life insurance
- Collaboration with National Health Insurance Body (BPJS)
- Collaboration with Prudential Insurance

Bakrie University as a body delivers outreach programs and projects in the local community (which can include student volunteering programs) to improve or promote health & well-being, including hygiene, nutrition, family planning, sports, exercise, aging well, and other health and wellbeing related topics such as Zero Hunger which is donating food for the local community and disadvantages people including student. Moreover held in campus food table tagline to help the local community with hunger.

Bakrie University as a body shares sports facilities with the local community, for instance, with local schools or with the general public, such as GOR Soemantri Brodjonegoro, where students and staff can use these facilities with local communities (soccer field, badminton, football, athletic, basketball, climbing, tennis, etc.)



Bakrie University as a body provides students access to sexual and reproductive health-care services, including information and education services, by giving counseling services.

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

- 1 Active promotion of good mental health**
- 2 Access to free mental health support**

4 QUALITY EDUCATION



SDG 4 Quality Education

Proportion of Graduates With Teaching Qualification

Number
of graduates

580

Number of graduates who gained a
qualification that entitled them to teach
at primary school level

573

Lifelong Learning Measures

Bakrie University provides educational resources for the public to access through our platform, which we call as SPADA Bakrie University. Through this platform, the public can access our online courses and lectures. Free courses lead to certificates or awards such as CISCO, SAS, and Accurate (accounting software). Our library also provides access for the public to download thousands of e-books.

Bakrie University hosted public events that are open to the general public, such as : stadium general with the topic of "Increasing Student's Awareness of the SDGs and the Importance of Academics Working Together for a Better Future" (SDGs No.17) on 22 October 2021;

Seminar titled Indonesian Youth SDGs Summit 2022" (12 February 2022) conducted general public lectures on monthly bases from various academic disciplines, involving multiple stakeholders such as the government, professionals, and associations and open to the public.

Bakrie University hosted events open to the general public, such as:

- Vocational training for executives with the title "Developing digital learning platform digital".
- Vocational training on a programmed basis for executives with the title "Advanced sensory Analysis for Food Innovation".

Proportion of First-Generation Studentsb Bakrie University has undertaken educational outreach activities beyond campus, such as:

- Human resources development etc., conducted in a tourism village in Riau Province.
- Black Soldier Fly (BSF) larvae cultivation training at Western Nusa Tenggara Province (on Programmed Basis)

Bakrie University has policies to ensure that university activities are accessible, regardless of ethnicity, religion, disability, immigration status, or gender to all, as stated in the 036-2021 Rector Decree on Campus Environment Guideline and 016 -2020 on Technical Guideline of New Academic Year Students 2021-2022.

Proportion of First-Generation Students

3,730

Number of students

665

Number of students starting a degree

311

Number of first-generation students starting a degree

5 GENDER EQUALITY



SDG 5 Gender Equality

Proportion of First-Generation Female Students

3,730	665	311	371	59
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.

Bakrie University has a policy addressing women's applications, acceptance/entry, and participation at the university.

Bakrie University provides women's access schemes, such as Keputrian BASMALA (Islamic women's student society) for mentoring, scholarships for women, and traditional dance student society for other provisions.

Bakrie University encourages future female students to choose underrepresented study programs (Information Systems, Informatics, Industrial Engineering, and Civil Engineering), such as Campus Goes To School (CGTS), METAMASA (collaboration with high schools around South Jakarta), Macaroni Bridge Competition to attract women student in the civil engineering study program.



Proportion of Senior Female Academics

Number of employees	234
Number of academic staff	95
Number of senior academic staff	45
Number of female senior academic staff	30

Proportion of Women Receiving Degrees

Number of graduates	580
Number of graduates by subject area (STEM, Medicine, Arts & Humanities/ Social Sciences): Total	435
Number of graduates: STEM	145
Number of graduates: Arts & Humanities / Social Sciences	435
Number of female graduates by subject area (STEM, Medicine, Arts & Humanities / Social Sciences): Total	372
Number of female graduates: STEM	63
Number of female graduates: Arts & Humanities / Social Sciences	167

Women's Progress Measures



Bakrie University has a policy of non-discrimination against women.

Bakrie University has maternity and paternity policies that support women's participation.

Bakrie University has childcare facilities for staff and students.

Bakrie University has women's mentoring schemes in which above 50% of female students participate.

Bakrie University has measurement/tracking of women's likelihood of graduating compared to men's.

Bakrie University has policies that protect those reporting discrimination from educational or employment disadvantage employees and students that reported offenses and protect them from threats or intimidation.



6 CLEAN WATER AND SANITATION



SDG 6 Clean Water and Sanitation

Water Consumption Per Person

Bakrie University as a body measures the total volume of water used in the university that is taken from the main supply national water company, PT PAM Lyonnaise Jaya (PALYJA), as much as 218 m³.

Water Usage and Care Bakrie University has a process in place to treat wastewater using the Reverse Osmosis Method and researched recycled wastewater treatment. Those wastewaters are used in the laboratory and to cultivate Koi Fish.

Bakrie University has processes to prevent polluted water from entering the water system, such as research on Microplastic pollution in the water and sediment of Krukut River, Jakarta, Indonesia.

Bakrie University provides free drinking water for staff and visitors such as automatic water dispensers.

Bakrie University applies building standards to minimize water use, such as using automatic water sensor taps.

Bakrie university, as a body, plants landscapes to minimize water usage, such as providing open and green spaces around the campus area (30% of the total area).

Water Reuse

Bakrie University, as a body, has the policy to maximize water reuse across the university.

Bakrie university is a body planning to measure water reuse across the university.

Water in The Community

Bakrie University supports the local community in good water management 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".

Bakrie university as a body actively promotes conscious water usage on campus and in the broader community by:

1. Having a policy regarding conscious water usage on campus
2. Published an article in the journal to promote conscious water usage entitled "Microplastic pollution in the water and sediment of Krukut River, Jakarta, Indonesia"

Bakrie University as a body supports water conservation off campus by researching water conservation around Simanindo, Toba Lake, and North Sumatra Province.

Bakrie University as a body utilizes sustainable water extraction technologies by socializing and conducting training regarding Rain Water Harvesting (RWH).

Bakrie University as a body cooperates with the regional government on water security as stated in the Memorandum of Understandings (MoU) between Bakrie University and Toba Caldera Geopark, North Sumatra Province.





SDG 7 Affordable and Clean Energy

University Measures Towards Affordable and Clean Energy

Bakrie University as a body has plans to upgrade existing buildings to higher energy efficiency, as stated in the proposed new campus.

Bakrie university, as a part of Bakrie Group, undergoes energy reviews to identify areas where energy wastage is highest, as stated in the Bakrie Sustainability Report 2020.

Energy and The Community

Bakrie University as a body provided programs for the local community to learn about the importance of energy efficiency and clean energy stadium general entitled energy security strategy - exporting country Azerbaijan that the local community can access.

Bakrie University, as a part of Bakrie Group, provides direct services to local industry to improve energy efficiency and clean energy by conducting the Wind Energy for Smart City workshop.

As a part of Bakrie Group, Bakrie University informs and supports government (Local, Regional, National and Global cooperation) in clean energy and energy-efficient technology policy development as stated in the Bakrie Sustainability Report 2020.



8 DECENT WORK AND ECONOMIC GROWTH



SDG 8 Decent Work and Economic Growth

Employment Practice

Bakrie University has a policy commitment against forced labor and modern slavery as stated in employment regulation Article number 32-36 about salary and article no. 24-31 about working hours and regular leave.

Bakrie University also regulates minimum requirements for educational qualifications that restrict underage people from applying for and working at the university.

Bakrie University has a policy on guaranteeing equivalent rights of workers when outsourcing activities to third parties as stated in the agreement within the contract with the Security vendor and Cleaning Service decreed ensuring the salary given to the outsourced employees complies with minimum wage from government regulation.

Expenditure per Employee

	2023	2022
Number of employees	172	167
Number of academic staff	97	97

Proportion of Students Taking Work Placements

	2023	2022
Number of students	499	2,363
Number of students with work placements for more than a month	499	0

Proportion of Employees on Secure Contracts

	2023	2022
Number of employees	172	167
Number of employees on contracts of over 24 months	0	20



9 INDUSTRY, INNOVATION
AND INFRASTRUCTURE



SDG 9 Industry, Innovation, and Infrastructure

University Spin Offs

	2023	2022
Number of university spin-offs	8	7

Research Income From Industry and Commerce

	2023	2022
Number of employees	172	167
Number of academic staff	97	97
Number of academic staff by subject area: STEM	45	41
Number of academic staff by subject area: Medicine	0	0
Number of academic staff by subject area: Arts & Humanities	0	0
Number of academic staff by subject area: Arts & Humanities/Social Science	52	56

10 REDUCED INEQUALITIES



SDG 10 Reduced Inequalities

First-Generation Students

	2023	2022
Number of students	3,730	3,495
Number of students starting a degree	665	621
Number of first generation students starting a degree	311	299

International Students From Developing Countries

	2023	2022
Number of students	3,730	3,495
Number of international students from developing countries	4	1

Proportion of Students With Disabilities

	2023	2022
Number of students	3,730	3,495
Number of students with disability	0	1

Proportion of Employees With Disabilities

	2023	2022
Number of employees	234	231
Number of employees with disability	0	

Measures Against Discrimination

Bakrie University has an admission policy about non-discriminatory is publicly posted under Rector Regulation No. 016-2020 regarding New Student enrollment and admission Guidelines.

Bakrie University measures/tracks application and admissions from the application records and database.

Bakrie University takes planned actions to recruit students/staff/faculty from under represented groups.

Bakrie University also provides scholarship programs covering tuition fees for 8 semesters. Bakrie University also manages the KIP scholarship from the government, prioritizing low-income family students.

Bakrie University has anti-discrimination and anti-harassment policies stated in student manual book academic year 2021/2022 as attached and Code of Conduct of Employee Number 006-2013.

Bakrie University provides mentoring/counseling/peer support programmes to support students, staff, faculty from underrepresented groups counseling done by Academic Counsellor .

Bakrie University assigns the professional counselors to solve the non-academic problems of student and employee.

Bakrie University provides accessible facilities for people with disabilities.

Bakrie University provides access scheme for people with disabilities through:

1. Enrolment scheme (as stated in student enrolment guideline, evidence 1)
2. Provide access for students with disabilities throughout the campus (evidence

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

1. Ramp facilities within campus area
2. Counseling services from professional psychologist





SDG 11 Sustainable Cities and Communities

Support of Arts and Heritage

Bakrie University provides access to public for historical review of the Founding Father in establishing Bakrie Business group and Bakrie University.

Bakrie University provides public access to library using library website, digilab and repository .

Bakrie University provides public access to exhibition gallery namely Gallery of Bakrie Group.

Bakrie University has facilities such as open space and green garden that can also be accessed by the public, garden, running track, climbing wall as shown in the video.

Bakrie University holds dance performance, choir and art gallery regularly

Bakrie University holds projects that preserve heritage such as cultural dance, ceremonial dance which include the heritage of displaced communities

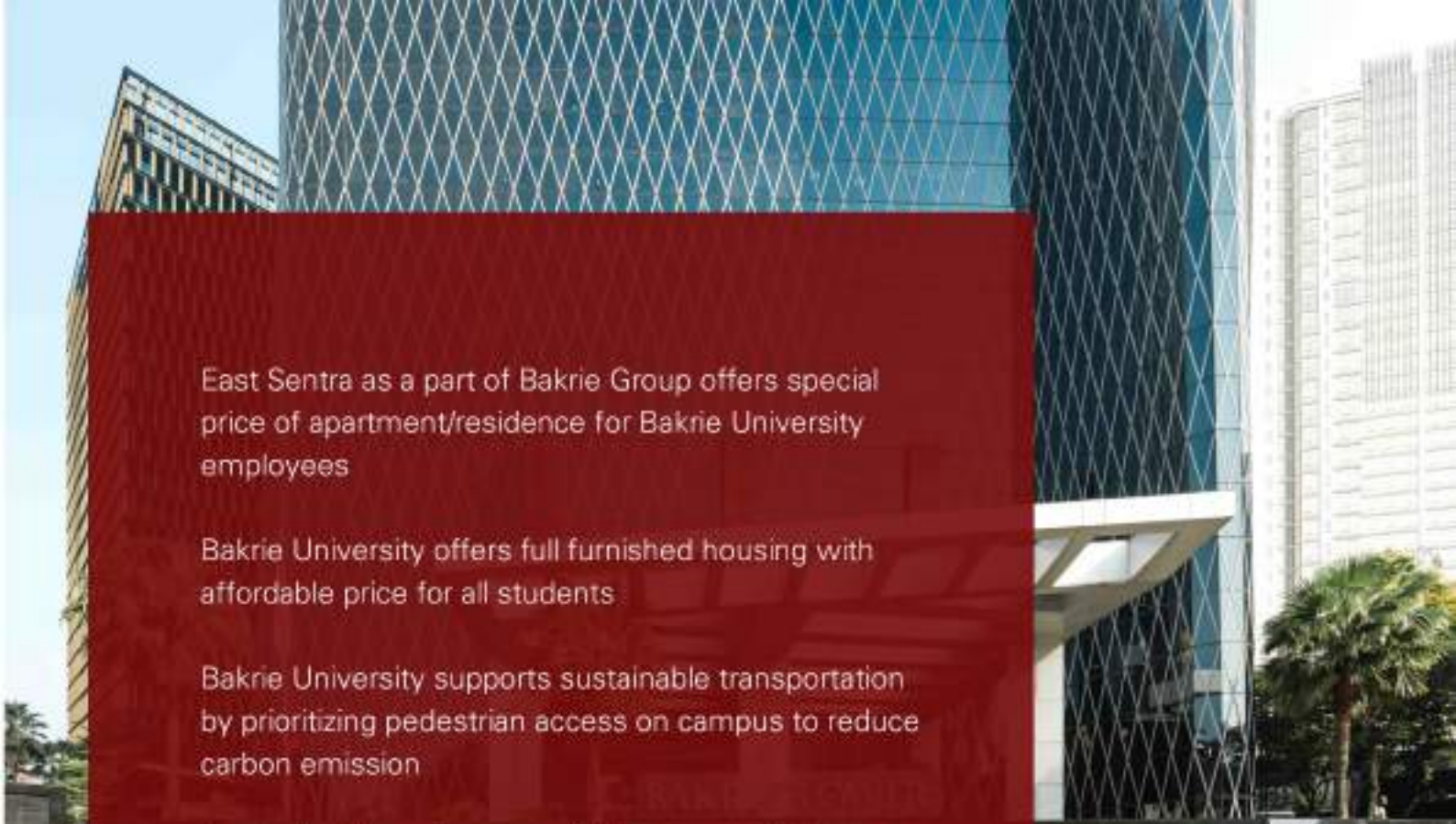
Sustainable Practices

Bakrie University as a part of Bakrie Group measures and sets targets for more sustainable commuting such as supplying electric vehicle buses to Trans Jakarta (National Public Transport Company).

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

1. Providing free parking area
2. Car pool
3. Bicycle parking area and pedestrian path
4. Free shuttle rides

Bakrie University allows telecommuting or remote working for employees as included in the policy or standard practice, and/or offer a condensed working week to reduce employee commuting



East Sentra as a part of Bakrie Group offers special price of apartment/residence for Bakrie University employees

Bakrie University offers full furnished housing with affordable price for all students

Bakrie University supports sustainable transportation by prioritizing pedestrian access on campus to reduce carbon emission

Located at the epicenters of Jakarta as capital city, Bakrie University has a campus plan that met with Green Building Council Indonesia standard

Bakrie University has built on brownfield sites as part of public service



12 RESPONSIBLE CONSUMPTION AND PRODUCTION



SDG 12 Responsible Consumption and Production

Operational Measures

Bakrie University has a policy on ethical sourcing of food and supplies, stated in the University regulation on office and waste handling attached.

Bakrie University has a policy of process or practice on waste disposal - Covering hazardous materials stated in the Dean of engineering regulation on Solid Waste and Liquid Disposal in Laboratories.

Bakrie University has a policy on waste disposal to measure the amount of waste sent to landfills and recycled.

Bakrie University as a body has policies around use minimization - Of plastic states, the use of plastics is to be minimized as possible.

Bakrie university as a body has policies around the use minimization - Of disposable items, stated

Proportion of Recycled Waste

Bakrie University, as a body, measures the amount of waste generated and recycled across the University by researching waste measurement. The initial stage is to identify, measure, and analyze the composition and total amount of waste generated in activities across the University.



	2023	2022
Amount of waste generated	127	171
Amount of waste recycled	62	85
Amount of waste sent to landfill	65	86

Publication of Sustainability Report

Bakrie University published annual
report on sustainability

13 CLIMATE ACTION



SDG 13 Climate Action

Low Carbon Energy Use

- Bakrie University has done some research in tracking the use of low-carbon energy, such as the project on Zeolite Modification and its Application to Indoor Air Quality Control. This innovation won the gold medal in the 24th Moscow International Salon of Inventions and Innovative Technologies (Archimedes), supported by the World Intellectual Property Organization (WIPO).
- 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 university buildings.

Environmental Education Measures

Bakrie University provides local education program campaigns such as:

- Bakrie University provides local education programs or campaigns on climate change risks, impacts, mitigation, adaptation, impact reduction, and early warnings, such as guest lectures entitled potential for earthquakes and tsunamis on the island of Java and its mitigation efforts.
- Sharing a session with one of the faculty members of the Environmental Engineering Department regarding how to mitigate the effect of climate change.

Bakrie University develops Climate Action Plan that is shared with local government and local community groups such as:

Bakrie University and Bakrie Group are committed to implementing environmental risk management and a prevention approach in dealing with environmental problems related to daily business operations.

Bakrie University participates in cooperative planning for climate change disasters working with the government such as:

One environmental engineering department faculty member participated in the Cooperative planning for climate change disasters by giving a talk at West East Indonesia's energy sustainability fair. This event involved the Western Nusa Tenggara province government intending to initiate the role of the young generation in enhancing a green environment.

The environmental engineering department of Bakrie University initiated the seminar regarding the challenges and the solution to Jakarta's flooding.

Bakrie University informs and supports the west Nusa Tenggara provincial government in local climate change disaster or risk early warning and monitoring, such as implementing Research on drinking water during the Pandemic,

holding rehabilitation audiences, and reconstruction post-earthquake in Lombok Island, plus more Research on waste management in collaboration with Resilience Development Initiative (RDI). Bakrie University supports SDG 13 by conducting the following activities:

A faculty member of environmental Engineering at Bakrie University (Prismita Nursetyowati) became one of the speakers at the International Webinar (FPCI Chapter Bakrie Present West-East Indonesia's Energy SustainabilityFair) entitled DENMARK-NTB Sustainable Island Initiative Prospect and Young Generation Role on enhancing Green Environment;

Civil Engineering of Bakrie University conducted Webinar with the topic Research on the optimization of multi-agent simulation using reinforcement learning algorithm for effective tsunami evacuation in collaboration with Tohoku University Japan;

Students' final projects in the Civil Engineering study program dealing with the flood, including the drainage design in toll roads and the CBD area.

Commitment to Carbon Neutral University Bakrie University, as part of Bakrie Group, has committed to be carbon neutral according to the greenhouse gas protocol by 2030.

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:

1. The environmental engineering department of Bakrie University initiated the seminar regarding the challenges and the solution to Jakarta's flooding.

2. The environmental engineering department at Bakrie University initiated the seminar regarding sanitary sewer modeling and design application to design, analyze, and plan wastewater collection systems

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

1. Giving a public lecture on ecosystems and biodiversity for national communities.

2. 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."

Bakrie University offers educational outreach activities for local or national communities to raise awareness about over-fishing, illegal, unreported, and unregulated fishing, and destructive fishing practices by:

1. Collaborating with Ciletuh UNESCO Global Geopark (released the sea turtles into the Indian Ocean (Pelabuhan Ratu Beach).

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

Supporting Aquatic Ecosystems Through Action

Bakrie University as a body support and/or organize events aimed to promote conservation and sustainable utilization of the oceans, seas, lakes, rivers, and marine resources such as:

1. Collaborating with Bakrie Amanah (NGO), planted 1,000 mangroves in the Bekasi Bahagia bay area to rehabilitate the ecosystem.
2. Bakrie University as a body supports water conservation off campus by doing research on water conservation around Simanindo Toba Lake

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

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

1. Collaborating with Bakrie Amanah (NGO) planted 1,000 mangroves in the Bekasi Bahagia bay area to rehabilitate the ecosystem.
2. Collaborating with Ciletuh UNESCO Global Geopark (released the sea turtles into the Indian Ocean (Pelabuhan Ratu Beach)

Water Sensitive Waste disposal

Bakrie University has a policy of process or practice on waste disposal - covering hazardous materials that stated in the Dean of Engineering and Computer Science regulation on Solid Waste and Liquid Disposal in Laboratories.

15 LIFE ON LAND



SDG 15 Life on Land

Supporting Land Ecosystems Through Education

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

1. Implementing environmental risk management.
2. Implementing prevention approach in dealing with environmental problems related to daily business operation.

Bakrie University gives food options on campus such as:

1. Farmers Market to buy organic product
2. Students, faculty, and staff can have their meal plans at these locations to purchase hot foods, meals to go and groceries.

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:

1. Collaborating with Ciletuh UNESCO Global Geopark (released the sea turtles into the Indian Ocean (Pelabuhan Ratu Beach))
2. Collaborating with Bakrie Amanah (NGO) planted 1,000 mangroves in the Bekasi Bahagia bay area to rehabilitate the ecosystem.

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

1. Giving public lectures on ecosystems and biodiversity for national communities
2. 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"

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

1. Giving public lectures on ecosystems and biodiversity for national communities.
2. 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"

Supporting Land Ecosystems Through Action

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

Bakrie University, as a body, has the policy to identify, monitor, and protect any IUCN Red Listed species and national conservation list species with habitats in areas affected by the operation of your university through Bakrie University Geopark Research Center.

Bakrie University as a body includes local biodiversity in any planning and development process of new green campus building, biodiversity, and energy efficiency.

Bakrie University collaborates with the local community to maintain shared land ecosystems as Bakrie University with Bakrie Amanah (NGO) planted 1,000 mangroves in the Bekasi Bahagia bay area to rehabilitate the ecosystem.

Supporting Land Ecosystems Through Action

Bakrie University as a body has processes to prevent polluted water from entering the water system, such as research on Microplastic pollution in the water and sediment of Krukut River, Jakarta, Indonesia.

Bakrie University as a body has policies around the use minimization - of plastic, stating the use of plastics to be minimized as possible university regulation on the use of plastic waste management.

Bakrie University has a policy of process or practice on waste disposal - Covering hazardous materials stated in the Dean of Engineering and Computer Science regulation on Solid Waste and Liquid Disposal in Laboratories.



16 PEACE, JUSTICE
AND STRONG
INSTITUTIONS



SDG 16

Peace, Justice, and Strong Institutions

University Governance Measures

Bakrie University has elected representation on the University's highest governing body, such as :

- Student Union
- University Senate

Bakrie University as a body recognizes an independent students' union, including providing governance input, providing support for students, and providing social activities.

Bakrie University has written policies and procedures to identify local stakeholders external to the University and engage states on Manual Standard in partnership.

Bakrie University 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 for participating in university decision-making such as LPKM, which is a participatory body engaging stakeholders in the University external.

Bakrie university has a publication of the University principles and commitments on organized crime, corruption and bribery, such as:

- Bakrie University participates in the Indonesian Rector Forum 2022, 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 choosing areas of research to speak and teaching publicly about the scope of their study to disseminate research results as Guest lectures. Bakrie University has a publication of university financial data to stakeholders every year.

DEKLARASI DEMOKRASI FRI

Siap berkontribusi dan melakukan aksi nyata mewujudkan Demokrasi Indonesia berkualitas dan bermartabat, berbiaya murah serta tanpa kecurangan dan politik uang.

Surabaya, 29 Oktober 2022

Working With Government

Bakrie university, as a body, provides specific expert advice to local, regional, or national governments, such as: giving expert advice to the government through a federal television program (TVOne).

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 Province.



17 PARTNERSHIPS
FOR THE GOALS



SDG 17 Partnership for the Goals

Relationships to Support The Goals

Bakrie University has several relationships with the government, NGOs, 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 cooperation with the 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, Toba Caldera.

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).

Bakrie University, through international collaboration and research, reviews comparative approaches and develop global best practice for tackling the SDGs, such as:

- Bakrie University faculty member develops international best practices collaborating with Tohoku University Japan in collaboration and research about "Indonesian Fermented Foods: Functional Properties and Global Strategy".

- Bakrie University faculty members collaborate with the Xichong Organic Innovation Committee for research and publication with the theme of Innovative cases of organic agriculture in Asia.

Bakrie University tackled domestic waste management through collaboration with Dompok Dhuafa (NGO) using Black Soldier Fly (BSF) and also to increase the economic growth of the participants in West Nusa Tenggara Province. Bakrie University and PT. Geomarindex (NGO) also develops new stratification of soil conditions all over Indonesia for developing sustainable infrastructure. Lastly, Bakrie University and PT Bumi Resources Minerals (NGO) provided clean water and sanitation for the local community in Aceh Province.

Publication of SDG Reports

Bakrie University publishes progress against SDG 1 by:

- Bakrie University supports affordable, high-quality education through a 20 percent subsidized tuition fee for existing students.
- Bakrie University offers several scholarships for highly academic students with different schemes, such as Bina Prestasi (full scholarship including living allowance; Unggulan (full scholarship), Gemilang (50% scholarship), and Cemerlang (25% scholarship).

Bakrie University publishes progress against SDG 2 by:

- Bakrie University's faculties and students conducted events supporting SDG Zero Hunger, such as donating food to the needy community.
- Bakrie University, as a part of Bakrie Group, developed a new variety of rice (Padi Gogo). This rice can grow with little water for sustainable agriculture against zero hunger.

Bakrie University supports SDG 3 by conducting the following activities:

- Bakrie University facilitated faculties and staff for vaccination boosters of Covid-19 in nearby hospitals. This booster vaccination program is a part of promoting good health and well-being programs. This program aims to support the speed of recovery from the pandemic.

- Furthermore, Bakrie University also implements Health protocols in each room and laboratory, such as the 5M Health Protocol Policy, social distancing, the measurement of body temperature, the use of face masks, and the use of hand sanitizer.
- Bakrie University provides life insurance and counseling for all students.

Bakrie University publishes progress against SDG 4 by:

- improving accreditation status of all the study programs, such as Accounting and Civil Engineering study programs, from "A" to "Excellent" (the highest achievement in Indonesia's higher education accreditation).
- Expand the partnership and collaboration to improve the quality of learning, research, and community services, such as laboratories development (food science and environmental engineering laboratories, experiential learning through an internship, funding from industries, community empowerment through lecturer expertise.

Bakrie University publishes progress against SDG 5 through the

- Conduct an academic discussion on Women Voices Matter: "The Fight Against Gender Gap".
- Rector of Bakrie University became an Occasional invited speaker at the Central Queensland University graduation ceremony with the topic of the speech regarding gender equality.
- The Communication Science study program conducted the webinar titled "The Challenges of Female Journalists in Overseeing Women Issues".

Bakrie University supports SDG 6 by conducting the following activities:

- Bakrie University and PT Bumi Resources Minerals (NGO) provided clean water and sanitation for the local community in Palu (Central Sulawesi Province).
- Environmental Engineering study program and PT Bumi Resources Minerals (NGO) to provide clean water and sanitation management for the local community in Aceh Province.
- Researchers from the Environmental Engineering study program published a research paper titled Microplastic pollution in the water and sediment of Krukut River, Jakarta, Indonesia, and Microplastic pollution in the coastal water of Jakarta Bay, Indonesia.

Bakrie University supports SDG 7 by conducting the following activities:

- Bakrie University organized the Indonesian Youth SDGs Summit with the theme "Renewable Energy Sustainable Cities & Communities" as the first event with 3100 participants. This activity was held to coincide with the celebration of the 1st
- Decade of the Political Science Study Program at Bakrie University and the celebration of the 80th Anniversary of the Bakrie Group on 10th February 2022. Researcher from Environmental Engineering Study Program researched Biogas production using anaerobic digestion of marine biomass;
- Bakrie University has established a Green Campus environment, energy efficiency, and paper consumption efficiency as part of the University policy stated in 006-SK-UB-R.I.2013.

Bakrie University supports SDG 8 by conducting the following activities:

- Giving training on character building and technical skills to increase competency.
- Providing the staff with health insurance BNI Life, BPJS Working and Healthy (National Health Insurance).
- Opportunity to continue further study for staff and professional certification.
- Job fair program for the public and alumni at Bakrie University.
- The researcher from Bakrie University conducted research and innovation to increase economic growth.

Bakrie University supports SDG 9 by conducting the following activities:

- Bakrie University and Bakrie Group organized a start-up and innovations competition.
- Bakrie University is committed to strengthening research collaboration with industries to produce innovations. In addition, Bakrie University collaborates with PT Geomarindex to create innovation related to advanced geo calculation for infrastructure design.

Bakrie University supports SDG 10 by conducting the following activities:

- Bakrie University supports the non-discriminatory treatment of student recruitment and human resources recruitment in the policy as part of gender, ethnic, religious, and socio-economic equality treatment. The policy applies to the standards of University Policy stating that all males and females of all ethnic, all religions, and of all socio-economic statuses should be treated equally;

- The students can choose their study programs to attend their classes according to their schedules and have the freedom to speak their minds. This treatment also applies to Human Resources recruitment, and all staff receives no discrimination treatment from the first time their interview until work at University. Furthermore, many policies also approach reduced inequalities, such as establishing an eco-friendly facility for disabilities, for example, good rail for disabilities and toilet for disabilities.

Bakrie University supports SDG 11 by conducting the following activities:

- Bakrie University conducted a Focus Group Discussion about Smart Environment for Smart City with the topic Jakarta's Superblock Development: A sustainable solution for a smart and fast-growing city; planning and execution of affordable vertical housing with a green development approach.
- Bakrie University and PT. Geomarindex researches advanced geo calculation to create more economical infrastructure (Green Economic for Infrastructure).

Bakrie University supports SDG 13 by conducting the following activities:

- A faculty member of Environmental Engineering Bakrie University (Ms. Prisma Nursetyowati) became one of the speakers at the International Webinar (FPCI Chapter Bakrie presented West-East Indonesia Energy Sustainability Fair) entitled Denmark-NTB Sustainable Island Initiative Prospect and Young Generation Role on Enhancing Green Environment.
- Civil Engineering of Bakrie University conducted Webinar with the topic Research on the optimization of multi-agent simulation using reinforcement learning algorithm for effective tsunami evacuation with collaboration Tohoku University Japan.
- Student final projects in the Civil Engineering study program dealing with the flood, including the design of drainage in toll roads and CBD area.

Bakrie University supports SDG 14 by conducting the following activities:

- Head of the Geopark Research center of Bakrie University (Dr. Elly Djamilah) became a keynote speaker at the Ciletuh UNESCO Global Geopark Youth Forum. During this event, the host released the sea turtles into the Indian Ocean (Pelabuhan Ratu Beach).

- Bakrie University with Bakrie Amanah (NGO) planted 1000 mangroves in the Bekasi Bahagia bay area to rehabilitate the ecosystem. Mangrove forest is one of the most important natural ecosystems. Besides that, mangrove forests also function as a food source, a place to live for marine animals, a place to find food, and an area for various types of fish, shrimp, and other biotas. That's why planting mangroves to rehabilitate damaged ecosystems is very important.

Bakrie University supports SDG 15 by conducting the following activities:

- The Environmental Engineering study program conducted a guest lecture with the title of Smart Environmental for Smart Mining with the keynote speaker Prof. Suseno Kramadibrata (CEO of Bumi Resources Mineral).
- Environmental Engineering Lecturer Mr. Diki Surya Irawan, along with a final year student preparing a final project named Nabila, gained experience directly participating in gold mining activities at PT. Citra Palu Mineral, one of the gold mining companies subsidiaries of PT. Bumi Resources Mineral (Bakrie Group) is located in Poboya, Palu City, Central Sulawesi Province. This activity lasts for two months, starting from February-March 2022. Lecturers and Students carry out many agendas, among others, soil remediation by managing dry tailings produced from the Tailings Storage Facility (TSF).

Bakrie University supports SDG 16 by conducting the following activities:

- Subjects regarding corruption, human rights, ethics, and gender equality are a part of the curriculum at all study programs at Bakrie University.
- Bakrie University implemented an academic freedom policy that supported the academic atmosphere; freedom to speak and choose the topic of research throughout the campus and give public lectures Internationally at Central Queensland University, Australia.
- Undergraduates, professors, and staff at Bakrie University have chosen to be represented on the University's highest governing body.
- Bakrie University has a policy promoting academic freedom that covers junior and senior academics' ability to research and teach.

Bakrie University supports SDG 17 by conducting the following activities:

- Collaboration with Tohoku University, Japan, for a fellowship program on research about side products of rice processing for food ingredients.

- International collaboration with IFOAM (International Federation of Organic Agriculture Movements) Asia and Food Agriculture Organization (FAO). Dr. Wahyudi David, one of Universitas Bakrie's lecturers, is a board member of ISOFAR (International Society of Organic Agriculture Research).

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Education for SDGs

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

- Subjects regarding corruption, human rights, ethics, and gender equality are mandatory and integrated across the whole curriculum at all study programs of Bakrie University.
- Committed to high-quality education by creating safe, fully supported facilities and a comfortable learning environment by providing eco-friendly rooms in the building and green space around the campus area. Furthermore, for external purposes, Bakrie University, through Research and Development and Community Service programs doing the activities that follow the road map of research and community development as stated in the Rector decree

Bakrie University has dedicated courses in most of the offered study programs, especially in Environmental Engineering and Food Engineering study programs full degrees that focus on climate change, water and sanitation, technology and innovation, and life below water. The courses stated in the Rector Decree of Operational Curricula for both study programs 2021-2022.

Bakrie University continues to support local and broader communities around Indonesia that include alumnae, residents, and displaced people such as:

- Providing workshops or training regarding 3D printing for the refugees (displaced people) under UNHCR.
- Alumni of Bakrie University received an award from UNHCR regarding the social inclusion of refugees.
- The faculties member of the accounting department giving outreach education to the community at Jami Al-Mujahidin, Bintara, Bekasi, West Java Province, regarding improving the quality of the financial statement.





UNIVERSITAS
BAKRIE

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