Est. 2024

Universiti Brunei Darussalam

Sustainability Masterplan

Creating a sustainable future through innovation

Aligning our mission with

SUSTAINABLE DEVELOPMENT GOALS



Front cover photo courtesy of Azhar Ismat

Sustainability Masterplan

Sustainability Starts Here

Universiti Brunei Darussalam

SUSTAINABLE DEVELOPMENT GOALS



Kebawah Duli Yang Maha Mulia Paduka Seri Baginda Sultan Haji Hassanal Bolkiah Mu'izzaddin Waddaulah
ibni Al-Marhum Sultan Haji Omar 'Ali Saifuddien Sa'adul Khairi Waddien,
Sultan dan Yang Di-Pertuan Negara Brunei Darussalam,
Canselor Universiti Brunei Darussalam



Duli Yang Teramat Mulia Paduka Seri Pengiran Muda Mahkota Pengiran Muda (Dr.) Haji Al-Muhtadee Billah ibni Kebawah Duli Yang Maha Mulia Paduka Seri Baginda Sultan Haji Hassanal Bolkiah Mu'izzaddin Waddaulah

D.K.M.B., D.P.K.T., King Abdul Aziz Ribbon, First Class (Saudi Arabia), The Order of the Renaissance (First Degree) (Jordan), Grand Cross of Crown Order - G.K.K., (Netherlands), Medal of Honour (Lao), DSO (Singapore), Order of Lakandula with the Rank of Grand Cross (Phillipines), The Order of Prince Yaroslav the Wise, Second Class (Ukraine), DSO (Military) (Singapore), P.H.B.S.
Menteri Kanan di Jabatan Perdana Menteri, Pro Canselor Universiti Brunei Darussalam

Excerpt from His Majesty Sultan Haji Hassanal Bolkiah Mu'izzaddin Waddaulah ibni Al-Marhum Sultan Haji Omar 'Ali Saifuddien Sa'adul Khairi Waddien Sultan and Yang Di-Pertuan of Brunei Darussalam's foreword for Brunei Darussalam's First Voluntary National Review Report at the 2020 United Nations High-Level Political Forum

“

Brunei Darussalam’s SDGs journey
is guided by its national vision,
Wawasan Brunei 2035, where the country
aspires to be widely recognised for its
educated, highly skilled and accomplished
people, with a high quality of life and a dynamic
and sustainable economy by 2035.

”

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Published by:
Office of Assistant Vice Chancellor (Research, Innovation & Sustainability), Universiti Brunei Darussalam

First printed August 2024

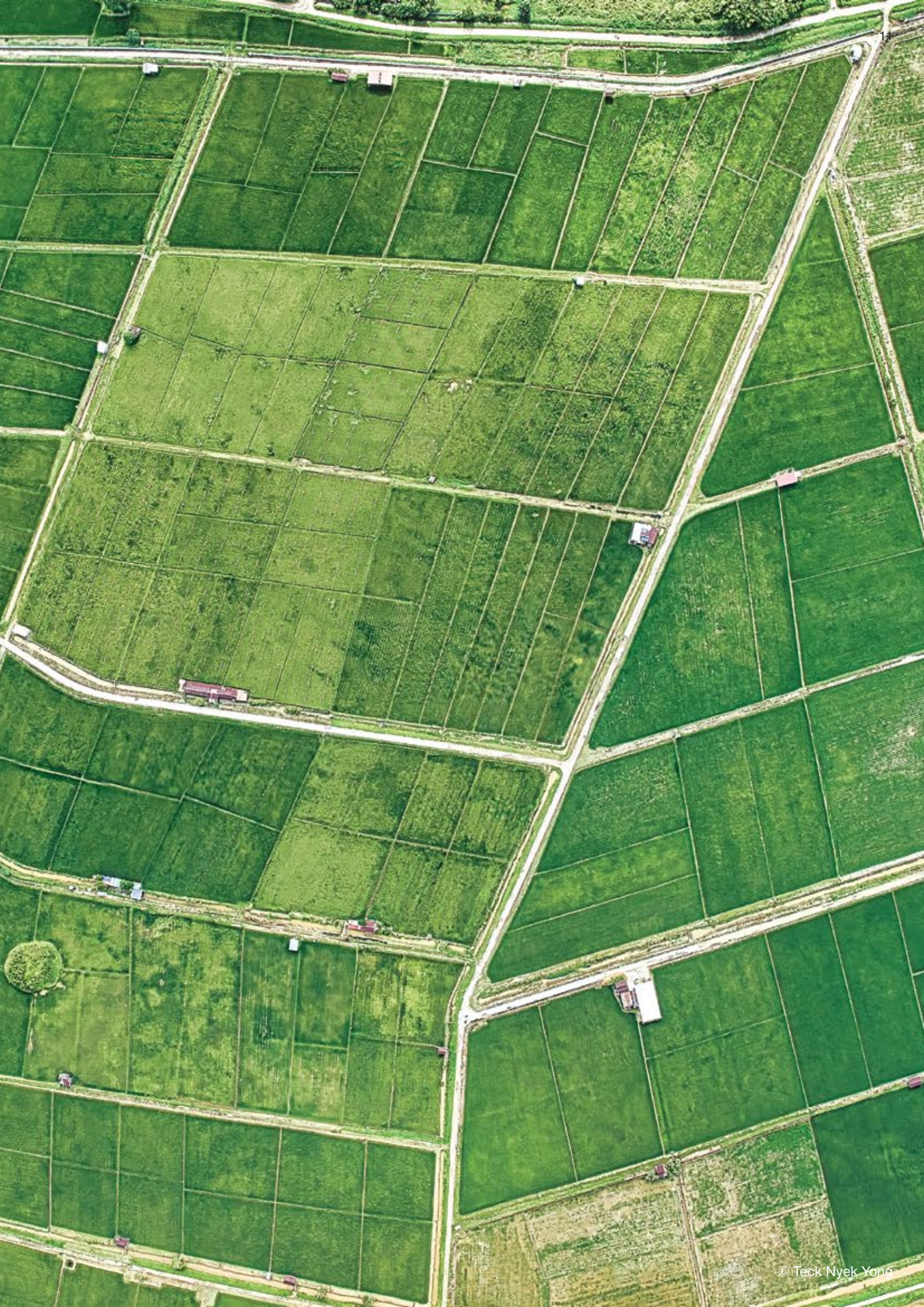
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Perpustakaan Dewan Bahasa dan Pustaka Brunei
Pengkatalogan Data-dalam-Penerbitan

SUSTAINABILITY masterplan : creating a sustainable future through innovation. -- Bandar Seri Begawan : Office of Assistant Vice Chancellor (Research, Innovation & Sustainability), Universiti Brunei Darussalam, 2024.
68 pages ; 21 cm
ISBN 978-99917-1-383-0 (e-book edition)
ISBN 978-99917-1-384-7 (Hardcover)
1. Universiti Brunei Darussalam -- Planning Education, Higher -- Environmental aspects -- Brunei Darussalam 2. Sustainability -- Brunei Darussalam 2. Sustainable development -- Brunei Darussalam

378.107095955 SUS (DDC 23)



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Foreword from the Vice Chancellor



Dr. Hazri bin Haji Kifle
Vice Chancellor
Universiti Brunei Darussalam

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Together, we will build a future that respects our heritage, embraces diversity, and promotes prosperity for all.

Photo courtesy of Universiti Brunei Darussalam

Dear Esteemed Members of the UBD Community,

I am delighted to present to you our Master Plan for a Sustainable Universiti Brunei Darussalam. At UBD, we firmly believe in the transformative power of education and innovation to tackle global challenges, and this masterplan is a testament to our commitment to sustainability and a cornerstone of our academic and operational ethos.

In today's rapidly evolving world, the urgency of sustainable development has never been clearer and more pressing. At UBD, we embrace this challenge with purpose and responsibility. Our vision extends beyond the boundaries of our campus; it aspires to set a precedent, shaping a future where environmental stewardship, social equity, and economic resilience harmoniously converge.

Sustainability isn't just a goal at UBD; it's a guiding principle ingrained at every level of our institution. From pioneering research initiatives that redefine sustainable practices to nurturing future leaders through comprehensive education, we are dedicated to fostering positive impacts on our environment and society.

This master plan embodies our collective ambition to embed sustainability into every facet of university life. From groundbreaking research that pushes the boundaries of knowledge to innovative educational programs empowering our students as global change agents, each pillar of this plan aims to cultivate a culture of sustainability excellence.

Let us embrace the challenge and opportunity of shaping a sustainable future together. Through collaboration, innovation, dedication and perseverance, Universiti Brunei Darussalam will continue to lead by example, inspiring positive change and leaving a lasting legacy for future generations.

I extend my heartfelt gratitude to all faculty, staff, students, and partners from the local community whose dedication and creativity have shaped this masterplan. I would like to express special thanks to our partners at Universiti Malaysia Sarawak, whose insights have guided our journey. Your contributions underscore our shared commitment to advancing sustainable practices and principles within and beyond our academic community.

Warm regards,
Dr. Hazri bin Haji Kifle
Vice Chancellor, Universiti Brunei Darussalam

Foreword from the Assistant Vice Chancellor for Research, Innovation & Sustainability



Dr. Haji Abdul Hanif bin Dato Paduka Haji Mahadi
Assistant Vice Chancellor for Research, Innovation & Sustainability
Universiti Brunei Darussalam

“

Foster a vibrant, inclusive, and sustainable environment that supports the well-being and growth of our community.

Photo courtesy of Universiti Brunei Darussalam

Dear Colleagues and Friends,

It is a great pleasure to witness the release of the Masterplan for a Sustainable Universiti Brunei Darussalam, a significant testament to our university's strong commitment to sustainability and resilience. This comprehensive document embodies our strategic vision to embed sustainability deeply within UBD's mission and operations.

As the Assistant Vice Chancellor for Research, Innovation and Sustainability, I take great pride in the collaborative efforts that have culminated in this masterplan. At its core lie our foundational pillars: pioneering research initiatives that advance sustainable practices, educational programs that equip our students to tackle global challenges, green infrastructure projects that reduce our environmental footprint, governance practices fostering transparency and accountability, and community outreach efforts that extend the benefits of sustainability far beyond our campus.

Recognising our critical role in shaping a sustainable future for Brunei Darussalam and beyond, this plan underscores our dedication to fostering innovation, promoting environmental stewardship, and empowering our community as catalysts for positive change.

I invite you to delve into the initiatives detailed within these pages and to join us in embracing our commitment to sustainability. Let’s work hand in hand towards a brighter and more sustainable tomorrow. Let us seize this moment's momentum to cultivate a university that educates and inspires, setting a precedent in sustainable practices and leaving a profound impact on Brunei Darussalam and the rest of the world.

Warm regards,
Dr. Haji Abdul Hanif bin Dato Paduka Haji Mahadi
Assistant Vice Chancellor for Research, Innovation & Sustainability
Universiti Brunei Darussalam

1

Introduction:

Let’s Dive In!

In a world facing major challenges, we, at Universiti Brunei Darussalam (UBD), are committed to stepping up to make a positive impact on sustainability.

Think of this plan as our roadmap, guiding UBD on our journey to championing environmental care, social responsibility, and economic resilience.

Imagine sustainability as a balanced integration of three essential components: the environment, society, and the economy. Economy is a fraction of the society and in turn society is part of the environment. Improvements in one component benefit the others as well. Sustainability can be considered as a well-tuned orchestra, where the environment, society, and the economy are the different sections of instruments. When each section plays in harmony, the music flourishes, demonstrating how improvements in one area enhance the overall performance.

This illustrates the interconnectedness of our actions and their impact on people, society, and the planet, showing that these components are not separate but work together to create a balanced and thriving world.

Beyond Boundaries, **Building A Sustainable Legacy for All.**

As a premier institution, UBD aims to lead the way in sustainable development for Brunei Darussalam, aligning with the Brunei Vision 2035 of achieving educated, highly skilled, and accomplished people, with a high quality of life and a dynamic and sustainable economy. Our goal is clear: create a sustainable ecosystem that goes beyond our campus, making a positive impact on our community and the world.

Our commitment extends beyond environmental care and social responsibility to include economic development. By fostering economic resilience alongside ecological and social advancements, we aim to build a sustainable ecosystem that benefits all facets of our community. This holistic approach ensures that UBD contributes to a thriving, balanced world where progress in one area supports and enhances the others.

This masterplan is our promise to weave sustainability into everything we do – from operations and infrastructure to academic education, research and our community outreach. This masterplan lays out our shared dreams, detailing the goals, strategies, and real actions that will make UBD a greener, happier place. We're integrating sustainability into our institution to prepare the next generation of leaders to tackle the world's challenges.


© Azhar Ismat

We're focusing on five key areas which are the pillars supporting UBD's commitment to sustainability:



PILLAR I

Driving Innovation through Sustainability Research

We're exploring cutting-edge research to add to global knowledge on sustainability, sparking innovation and creating solutions based on evidence.



PILLAR II

Cultivating Sustainability Champions through Transformative Education

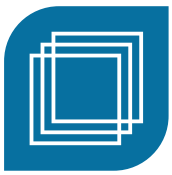
By enhancing our curriculum and providing hands-on learning, we're arming students with the tools and perspectives to be positive changemakers.



PILLAR III

Futuring Sustainability through Green Campus

We're making our mark with sustainable practices in our physical space, aiming to minimise our environmental footprint and use resources wisely.



PILLAR IV

Sustainable Stewardship through Visionary Governance

We're committed to transparent and ethical practices, ensuring that sustainability is the heartbeat of UBD, and we're holding ourselves accountable.



PILLAR V

Empowering Sustainable & Resilient Communities through Engagement and Partnership

We're not keeping the goodness to ourselves. UBD is reaching out to local and global communities, teaming up for partnerships and initiatives that spread the benefits of sustainability far and wide.

We're not in this alone. The United Nations' Sustainable Development Goals (SDGs) are our global guide for tackling big issues. Our commitment to sustainability fits perfectly with these goals, making our impact even more significant on the global stage.

In the next chapters, we'll go through the essential details. We're breaking down each of our focus areas, spelling out the goals, strategies, and actions that will shape UBD's sustainable future. Together, with everyone putting in the effort, UBD is not just aiming to be a sustainable leader – we're aiming to be a global inspiration for positive change. Let's do this!

2

Crafting A Sustainable Future at UBD:

A How-To Guide

Building a sustainable future is like putting together a puzzle. It takes careful planning and commitment to doing things right. In this chapter, we're going to explain how we created the UBD's sustainability masterplan. We will highlight the important role of stakeholder engagement, making decisions based on data, and aligning ourselves with worldwide goals, especially the United Nations' Sustainable Development Goals (SDGs).

"The SDG stakeholders engagement was very enlightening especially with the involvement and direct voices from the student body. I'm sure with strong collaboration and teamwork dedicated to this effort, the project can be successfully executed in the long run."
–
Muhd Ambree Nazri bin Ahmad,
YDPM PMUBD,
Universiti Brunei Darussalam

"The UBD SDG stakeholder engagement was an important step in the right direction, as it fostered an atmosphere for inclusivity and collaboration in the evaluation of the shared goals, and I anticipate seeing these efforts carried forward."
–
Silas Oghenemaro Emovwodo,
PhD student,
Universiti Brunei Darussalam

"I am pleased with your office's efforts and initiative to make the SDG stakeholder engagement as inclusive and equitable as possible. It is important that all voices are heard and that no one is left behind, no matter their academic level and background, to foster greater collaboration and sharing of ideas for the collective good and success of the SDG Masterplan and importantly in supporting the sustainable development of Brunei Darussalam."
–
Dk. Dr. Noor Hasharina Pg. Hj. Hassan,
Director, Institute of Asian Studies (IAS),
Universiti Brunei Darussalam

"We are thrilled to see the efforts made by UBD on building its own SDG Masterplan, which is also inline with the country's goals of Wawasan 2035. We look forward to the implementation and follow through stages where we hope we can also collaborate to bring more sustainable values to UBD."
–
Mr Tan Kheng Tong,
General Manager, EnEvo Sdn Bhd


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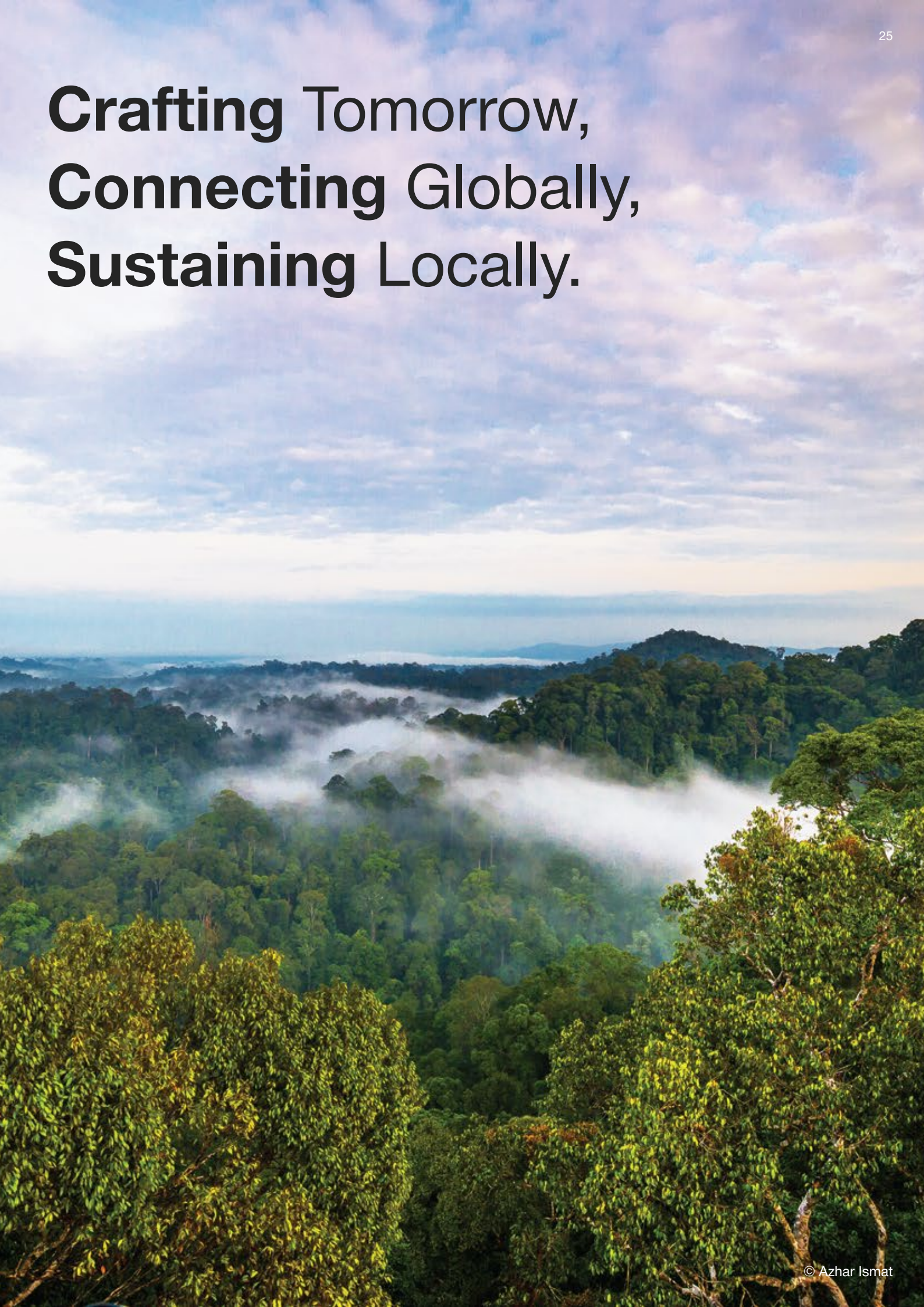
2.1 Stakeholder Engagement: A Foundation for Sustainability

At the core of our sustainability plan is a promise to include everyone. We know that making the world a better place is a team effort. So, we're talking to students, academic faculty, staff, local communities, and industry partners to gather different viewpoints. These conversations are like a big brainstorming session, making sure our plan matches what the UBD community needs and expects. By including everyone, we're building a sense of shared responsibility that goes beyond just writing down ideas in this masterplan.

2.2 Following the Data Trail: Navigating the Path to Impact

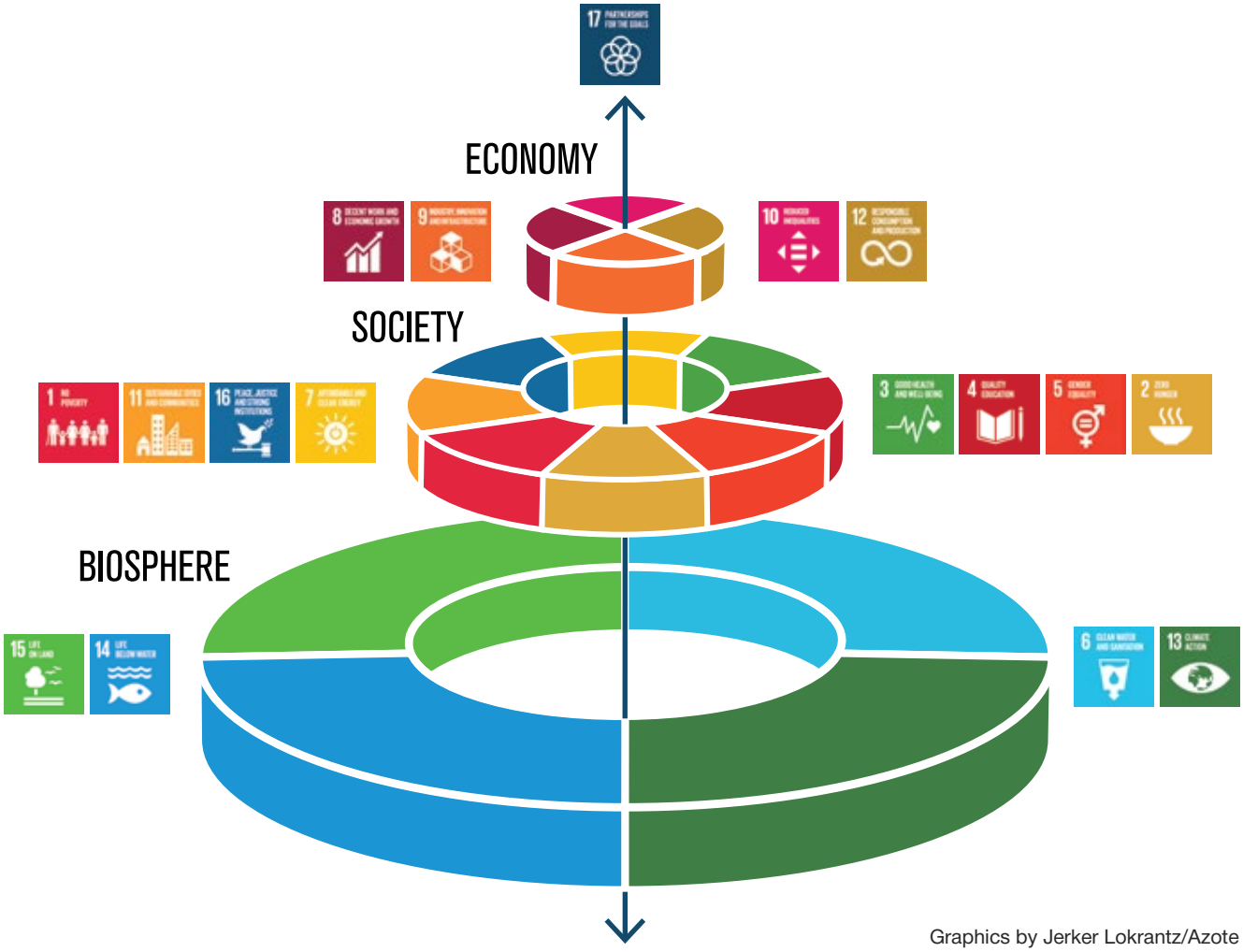
In a world drowning in information, we know the power of data. Our plan relies on solid evidence, using data to see how our actions impact the environment, society, and the economy. One of our references is the Times Higher Education (THE) Impact Ranking. We're not just winging it – we're analysing and keeping an eye on progress. Whether it's numbers or personal stories, we're blending science and real-life experiences. This way, our sustainability plan can adapt to new challenges and opportunities.

Crafting Tomorrow, **Connecting** Globally, **Sustaining** Locally.



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The SDGs Wedding Cake



Graphics by Jerker Lokrantz/Azote

ECONOMY

Building on the biosphere and society, the economic goals direct attention towards industry, innovation and infrastructure; reduced inequalities; responsible consumption and production; and decent work and economic growth that is decoupled from environmental degradation.

SOCIETY

The goals addressing societal issues, call for the eradication of poverty, and improvement of social justice, peace and good health. Social development depends upon a protected biosphere. In addition, the goals on clean energy, no poverty, zero hunger, peace and justice, sustainable cities, education, gender, equality and good health are the foundation for the goals related to the economy.

BIOSPHERE

Protecting the biosphere is an essential precondition for social justice and economic development. If we do not achieve the goals related to clean water and sanitation, life below water, life on land, and climate action, the world will fail to achieve the remaining goals.



Times Higher Education

In 2019, Times Higher Education (THE) University Impact Rankings began assessing universities on their contributions to the United Nations Sustainable Development Goals (SDGs). The rankings assess universities' contributions to sustainable development across multiple areas; environmental sustainability, social equity, and economic prosperity. Through rigorous evaluation, THE identifies institutions that excel in making impacts on their communities and the world. These rankings serve as a platform to recognise and promote the efforts of universities in advancing global sustainability goals and fostering positive change.

2.3 United for Global Goals: UN SDGs as our Compass

Ever heard of the United Nations' Sustainable Development Goals (SDGs)? They're like a big to-do list for the world's biggest problems. UBD doesn't just see them as goals; we see them as a moral duty guiding our every move. This chapter explains how our sustainability plan lines up with specific SDGs, showing our commitment to being part of the global effort for a better world.

Each SDG shapes our five focus areas. By connecting our sustainability projects with the SDGs, we're making a local impact and contributing to a global story of everyone chipping in. This connection helps us work with others around the world and measure our progress on a shared scale, keeping us honest and accountable. In the upcoming chapters, we'll dig deeper into each of these methods, showing how they come together to create a dynamic and powerful sustainability plan for UBD. With these careful and thoughtful approaches, we're setting the stage for a sustainable future that matters here and echoes around the world.

3

Our Sustainability Timeline



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Phase 1
2024

January - February 2024

Preparation of a general text on UBD sustainability goal (supporting for THE)

↓

March - June 2024

Stakeholder Engagements

↓

June - July 2024

Development of UBD Sustainability Masterplan

Phase 2
2024-2026

September - October 2024

UBD Sustainability Action Plan

↓

November 2024

Workshop

↓

September 2024 - August 2026

Baselines Data Collection

↓

September 2026

- Target setting for SDGs initiatives
- Implementation timeframe
- Budget proposal
- Improvement based on feedback and requirement

Phase 3
2026-2030

September 2026 - August 2030

UBD Sustainability Report

Annual publication on ESG reporting based on the 5 pillars:

- Driving Innovation through Sustainability Research
- Cultivating Sustainability Champions through Transformative Education
- Futuring Sustainability through Green Campus
- Sustainable Stewardship through Visionary Governance
- Empowering Sustainable and Resilient Communities through Engagement and Partnership

4

Sustainability Pillar I:

Driving Innovation through Sustainability Research

PILLAR I

Driving Innovation through Sustainability Research

This pillar focuses on how sustainability research can lead to new creative solutions. The university's research focuses on green practices, economic strategies, and social impacts, aiming to solve environmental problems, promote economic stability, and enhance social well-being for a greener and more equitable future.

Imagine research as the engine driving UBD towards a sustainable future. It's not just about textbooks and classrooms; it's about becoming a top-notch institution that leaves a positive mark on the environment, society, and economy.

This chapter shines a light on the critical role of research in UBD's sustainability plan, focusing on teamwork across different fields, creating research hubs, and seamlessly blending sustainability studies into academic programmes.



4. Sustainability Pillar I: Driving Innovation through Sustainability Research

4.1 Teamwork Makes the Dream Work: Breaking Boundaries

Solving sustainability puzzles is no easy task. UBD is all in on making things work by encouraging researchers from different areas to team up. We're breaking the barrier between academic subjects, creating an interdisciplinary and multidisciplinary environment where experts from various fields work together to tackle the complex interplay between the environment, society, and the economy. We're not just collaborating; we're embracing a holistic approach to solving big problems. It's like bringing different spices together to make an awesome dish – each flavour enhances the overall experience.


© Azhar Ismat

4.2 The Green Fund: Fuelling Sustainable Ideas

In UBD, we're walking the walk with a Green Fund. This is a financial boost for researchers with big ideas aligned with sustainability. This fund is a symbol of our commitment to excellence in sustainability research and the motivation that speeds up and encourages projects aligned with our sustainability goals. With the Green Fund, we're planting seeds and we're creating an environment where innovative ideas can grow and flourish, benefitting the university, the wider community and beyond.

4.3 Integration into Academic Programmes: Educating Agents of Change

For us at UBD, making sustainability research a part of every academic programme is a big deal. We want every student, no matter their major, to understand the ins and outs of sustainability. By weaving research into our teaching, we're giving students hands-on experience in tackling real-world sustainability challenges.

4.4 Where We Stand Now: Building Momentum

UBD isn't just talking about plans; we're making things happen. Our diverse research groups are dedicated to advancing Sustainable Development Goals through pioneering research. Together, these groups exemplify UBD's commitment to tackling global challenges through interdisciplinary research and innovation.

BIOINSPIRATION	Explores innovative biodiversity engineering, aiming to enhance human well-being and industrial sustainability.
MARINE ECOSYSTEM AND CLIMATE CHANGE	Focuses on understanding and mitigating the impacts of climate change on marine life, crucial for preserving biodiversity and ensuring resilient ecosystems.
HERBAL RESEARCH	Contributes to SDGs by studying natural remedies that promote health and sustainability.
OPTOELECTRONIC DEVICE	Develop technologies vital for sustainable practices in various industries.
BIOSENSORS, HALAL SCIENCE AND DETECTION	Combines ancient wisdom with modern science to deepen our understanding of local ecosystems and promote sustainable practices.
TOURISM	Seeks to balance economic growth with environmental conservation, aligning with SDGs promoting responsible tourism.
PRECISION GENOMICS MEDICINE	Pioneer healthcare solutions that are accessible, efficient, and aligned with global health equity goals.
DIGITAL HEALTH	Pioneer healthcare solutions that are accessible, efficient, and aligned with global health equity goals.
SUSTAINABILITY	Integrates findings across disciplines to inform policies and practices that foster sustainable development globally.

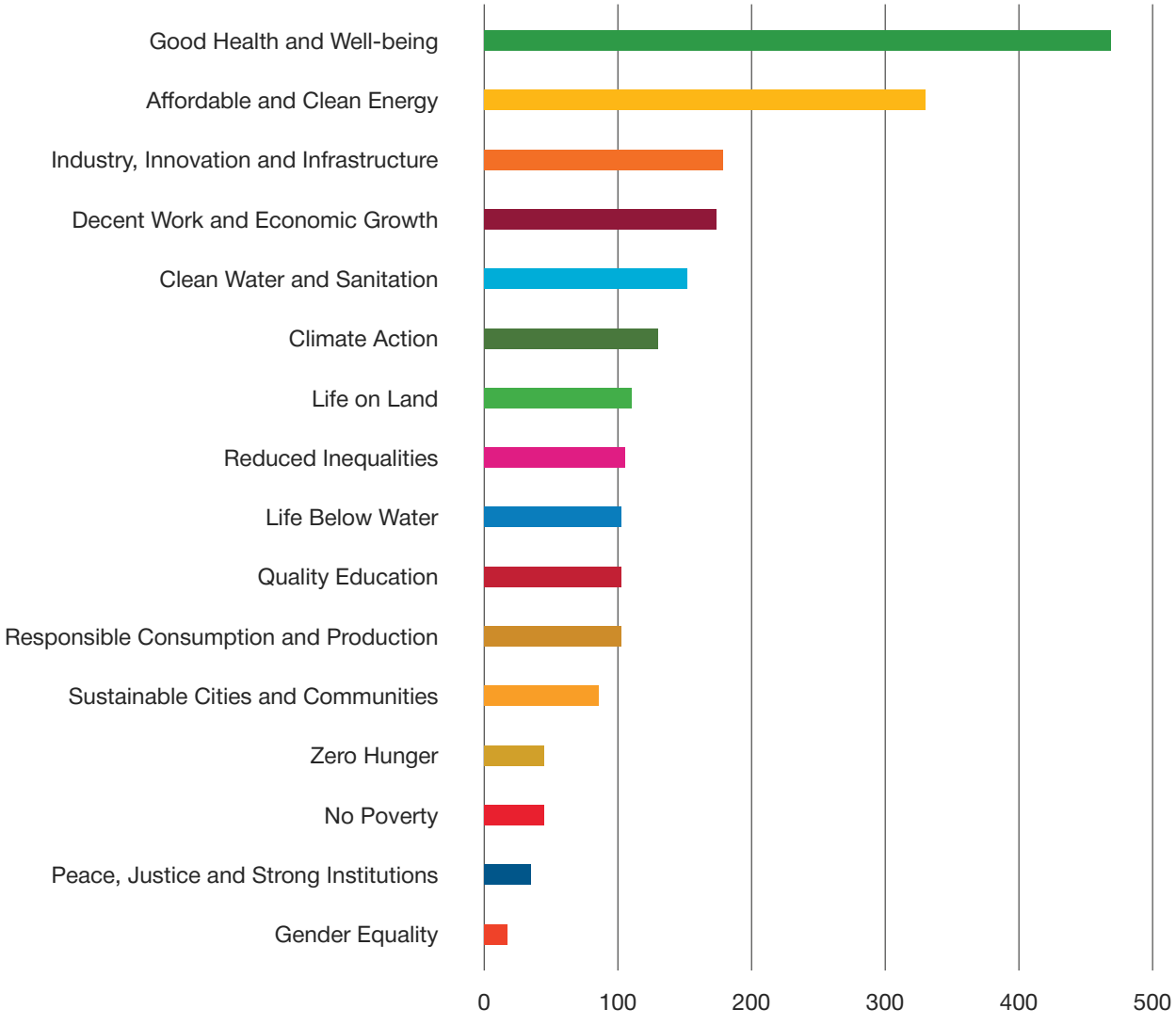
Researching Today, **Transforming** Tomorrow.

Additionally, 18 research grants related to climate change and 16 related to the conservation of biodiversity showcase our active engagement with pressing environmental issues. Plus, we've funded more than 270 active research grants and interdisciplinary research groups in the last five years, covering everything from climate change, poverty, ageing and welfare, inclusive education, sustainable industrialisation and economic growth, unemployment, green and sustainable energy, green hydrogen production, biomass conversion, solar energy, CO_2 capture, utilisation and storage, water treatment, precision medicine, to genomics. We're not just dipping our toes in; we're diving deep into sustainability issues.

Legend:



UBD Publication Count per SDGs (2018 - 2023)



As we navigate through the ever-changing world of sustainability research, UBD is all about collaboration, innovation, and making a real impact. Stay tuned for the next chapters, where we'll reveal the details on specific goals, strategies, and actions that will guide UBD's research journey, keeping us at the forefront of sustainable research and education.

5

Sustainability Pillar II:

Cultivating Sustainability Champions through Transformative Education

PILLAR II

Cultivating Sustainability Champions through Transformative Education

This pillar focuses on how our university will inspire students to become leaders in sustainability. Through transformative education, which includes hands-on learning, interdisciplinary studies, and critical thinking about environmental, economic, and social issues, we empower students to drive positive change and create a sustainable future.

By engaging students in real-world challenges and fostering a deep understanding of sustainability, we prepare them to be innovative and effective advocates for a greener, more equitable world. Education is the foundation of a sustainable future, and that's exactly where Universiti Brunei Darussalam (UBD) is setting down stakes. This chapter unveils the details on how UBD is embedding sustainability principles into all academic subjects, covering everything from what students learn in class to making the whole campus a hub of sustainable practices.

5.1 Greening the Curriculum in Class

The academic programmes of UBD are dedicated to teaching facts and nurturing a whole new generation of sustainability champions. The GenNext curriculum is our secret sauce, emphasising the importance of understanding and addressing the threats our planet and society face. More than 25 modules are related to sustainability topics, like “Climate Change Biology”, “Sustainable Resource Management”, “Environmental Chemistry,” “Social Welfare Protection”, and “Environmental Aspects of Earth Sciences.” All faculties – from Sciences, Engineering, Education, Business and Economics, Health, to Social Arts – are actively engaged. Our students are tackling social issues, doing research, and suggesting real-world solutions. We're not just teaching; we're shaping agents of positive change who understand how everything is connected.

5.2 Beyond Books: UBD Campus as A Classroom

Education doesn't stop at the classroom door. UBD takes lessons outside through workshops, seminars, and events that create awareness and promote sustainable practices. The Botanical Research Centre (BRC) and Institute for Biodiversity and Environmental Research (IBER) aren't just fancy names – they're making a real impact. The BRC, a living example of sustainability, is an educational resource, and IBER organises cool events like TREx to further the sustainability vibe. Joining forces with industry partners through joint seminar and workshop allow the exploration of sustainability issues and solutions.

5.3 Quality Education for All: No Barriers Allowed

We're not just about teaching; we're about making education accessible to everyone. At UBD we believe that everyone deserves equal access to education. We're breaking down barriers with scholarships and financial aid programmes, ensuring that education is within reach for all. And what an education! Field trips aren't just fun; they offer invaluable opportunities for experiential learning, breaking free from the classroom and providing hands-on experiences, from exploring ecological reserves to visiting renewable energy facilities. The GenNext curriculum's principle of exploring modules outside your major isn't just about being different; it's about understanding sustainability from different angles and without barriers.



5.4 Equipping for the Future: Skills for Tomorrow's World

UBD is dedicated to prepare students for a sustainable future by integrating critical thinking, digital literacy, and interdisciplinary collaboration into our curriculum. We foster innovation and entrepreneurship, emphasising sustainable practices, and offer lifelong learning opportunities to ensure our graduates are adaptable, innovative and ready to tackle global challenges.

5.5 Where We Stand Now

UBD's GenNEXT Programme is the foundation of multidisciplinary education and environmental awareness. With 10 active research grants dedicated to quality education, we actively promote research on this area. More than 25 modules, covering everything from climate change and biodiversity to social welfare protection, integrate sustainability components. Field trips comprise exciting journeys to natural wonders, industries, businesses and other relevant sites and provide students with first-hand experiences and insights into various sustainability aspects of the world around them. The BRC is our pride and a biodiversity guide for Brunei. Government scholarships, special scholarships, and impactful events emphasise the commitment of UBD to quality education and sustainability.

As UBD plots its course for the future, this chapter is just the beginning. Stay tuned for the next chapters where we'll dig into specific goals, strategies, and actions to push sustainability education at UBD to new heights. Through these initiatives, UBD isn't just educating future leaders; it's planting the seeds of responsibility for the well-being of our planet and the society. Get ready for a ride into a greener, smarter future!

Beyond Classrooms, Beyond Books,

Shaping Tomorrow's Sustainable Leaders.

6

Sustainability Pillar III:

Futuring Sustainability through Green Campus



PILLAR III

Futuring Sustainability through Green Campus

This pillar focuses on how our university is building a sustainable future by creating a green campus. Through initiatives like energy efficiency, waste reduction, sustainable transportation, and eco-friendly infrastructure, we aim to minimise our environmental impact. By integrating economic, environmental, and social aspects into campus operations, we create a living model of sustainability that educates and inspires the entire university community.

Imagine a future where our university isn't just a place of learning but a hub for sustainability. That's exactly what we at UBD dream of. This chapter is our guide to how UBD is planning to make its buildings, energy use, waste management, and transportation all about sustainability. It's not just about being eco-friendly; it's about creating a campus that breathes sustainability in every corner.

6.1 Energy-Efficient Campus: Building Green

University campuses are a major consumer that significantly contribute to energy consumption. UBD is on a mission in adapting sustainable practices and get certified for being eco-friendly. We're talking about energy-efficient buildings with best practices to optimise energy usage, streamline facility management, and even tap into renewable energy sources. The buildings we have now are already on the eco-train, with LED lights, smart sensors cutting down on electricity use, and parts powered by solar energy.

Landscaping is a critical feature of our environment. UBD is going all out, using native plants, creating havens for wildlife, and doing landscaping that's easy on Mother Nature. The Botanical Research Centre (BRC) is our champion here, not just a pretty place but a research hub nurturing over 200 local plant species, exploring their medicinal values, and ensuring environmental harmony.

6.2 Eco-Friendly Rides: Wheels for a Greener Commute

UBD wants to change the way we travel. Imagine biking paths, electric public transport on campus, charging stations for electric vehicles, and even perks for carpooling – all aimed at reducing our carbon footprint. It's about moving in a way that's kind to our planet. Biking, carpooling, electric vehicles – we're making green commuting a campus lifestyle.

6.3 Eco-Harmony: The Elegance of Sustainable Waste

UBD is serious about trash – in a good way. We're planning a waste management system that's all about recycling, composting, and cutting down on waste and we're spreading the word to students, staff, and visitors. It's about choosing what goes where, recycling stuff, and safely getting rid of things that need special handling. UBD is on a mission for a trash-free, eco-friendly campus culture.

6.4 Fit Body, Fit Mind: Where Health Meets Happiness

We in UBD are serious about offering spaces for a healthy body and mind. UBD is adding more recreational spots, fitness centres, and easy access to healthcare services. We're not just about hitting the books; we're about hitting the gym too. Health programmes focusing on mental well-being, stress management, and a healthy lifestyle are on the agenda – because a healthy campus is a happy campus.

6.5 Snapshots of Now and Tomorrow: What We've Done and What's Next

UBD is not just talking; we're doing. With 13 active research grants dedicated to green energy and infrastructure, we're at the forefront of sustainable research. Renewable energy might be limited now, but we're gearing up, planning to harness more power from the sun and wind. Our Sports Complex, fitness activities, and events like UBD Wednesday weekly activities and UBD RUN 2023 aren't just for show; they're part of our commitment to a healthy, active campus.



As UBD strides forward, this chapter is just the beginning. Stick around for the next chapters where we'll run through the specific goals, strategies, and actions shaping UBD's sustainable infrastructure journey. Through these initiatives, UBD isn't just building a sustainable campus; we're making a vibrant community where well-being is at the heart of everything we do.

Get ready for a greener, healthier campus life!

7

Sustainability Pillar IV:

Sustainable Stewardship through Visionary Governance

PILLAR IV

Sustainable Stewardship through Visionary Governance

This pillar focuses on how our university practises a culture of responsible management and forward-thinking leadership, to achieve sustainable development goals across all facets of our institution. Stewardship involves managing resources wisely and ethically, ensuring their long-term viability for future generations. Visionary governance refers to leadership that predicts and plans for future challenges and opportunities, setting strategic directions that prioritise sustainability in decision-making and policy formulation.

In this section, we describe how UBD is stepping up its game for a more sustainable campus life. Get ready for our plans for energy-saving moves, eco-friendly shopping choices, climate-friendly actions, efforts to protect biodiversity, cool green campus projects, and how we're keeping it real with transparent governance. It's all about making a difference and keeping it green at UBD!



7.1 Energy Efficiency: Brightening Up Responsibly

Think of UBD as a giant energy puzzle - we're putting the pieces together for a greener campus. Our plan? LED lights, smart sensors, and air conditioning set just right and we're not stopping there – solar panels and wind turbines are on the horizon to show UBD's commitment to increasing its share of renewable energy and reducing carbon footprint. UBD isn't just talking about cutting down on carbon; we're making it happen.

7.2 Sustainable Procurement: The UBD Green Cart

Ever think about how the things we buy impact the planet? UBD sure does. Our procurement list is getting an eco-friendly makeover. We're choosing products and services that don't just look good but also have a low impact on the environment and society. Our suppliers? They've got to share our love for sustainability. It's all about buying responsibly for a future in which finite resources are increasingly precious.

7.3 Taking on Climate Change

Climate change is a pressing reality, and UBD is preparing for action. We're putting together a solid plan – targets to cut down on greenhouse gases, keeping track of progress, and preparing for the impacts of climate change. UBD does not wait for tomorrow; we're taking action today.

7.4 Saving our Biodiversity

UBD isn't just about books; it's about creating havens for wildlife and biodiversity, too. The Institute for Biodiversity and Environmental Research (IBER) and the Botanical Research Centre (BRC) are our nature lighthouses. They're not just researching; they'reout there protecting and restoring our green spaces on campus and in the surrounding areas and will play leading roles in protecting and restoring terrestrial ecosystems on campus, preserving local flora and fauna.



7.5 Green Campus Dreams: Where Every Leaf Counts

Picture a campus where every corner is a breath of fresh air. That's UBD's ambitious vision for sustainability. We're strategically landscaping with native plants that promote biodiversity and support local ecosystems, creating vibrant green spaces that benefit both our community and the environment. Moreover, UBD is embracing the digital age to minimise our ecological footprint.

By transitioning to a paperless administration and leveraging technology for communication and operations, we're conserving resources and reducing waste. UBD is dedicated to becoming a leader in sustainability, setting benchmarks for educational institutions worldwide. Through innovative projects and partnerships, we're not just dreaming; we're actively building a future where sustainability is at the heart of everything we do.

7.6 Making It Official: UBD's Sustainability Pledge

UBD isn't just saying we're green; we're putting it in writing. A sustainability policy is in the works, laying out our commitment and setting clear goals. It’s our roadmap for and a pledge to building a greener tomorrow.

7.7 The Green Watch: UBD's Sustainability Guardians

Meet the champions behind UBD's sustainability mission – the UBD SDG Strategy Committee. Their role is to make sure sustainability is part of everything we do. From keeping an eye on operations to engaging with everyone in the UBD family, they're the guardians of our green future.

7.8 Open Books: UBD's Sustainability Diary

UBD is not keeping secrets. We're sharing our sustainability journey with the world. From our website to regular newsletters, we're letting you in on our progress. For us, being transparent means being accountable. So we're opening up our sustainability diary for everyone to see. UBD will regularly report on our sustainability performance through various channels, such as our website, newsletters, and government authorities. This reporting will track key indicators and progress towards sustainability goals, facilitating continuous improvement and demonstrating UBD's commitment to responsible governance.

7.9 Now and Next: UBD's Sustainability Snapshot

UBD has already planned and implemented some strategic actions. Our "Power Down" policy is just the beginning – a small step that shows our commitment to saving energy. Our websites are getting a makeover, showcasing our dedication to transparency and the United Nations' Sustainable Development Goals. The Sustainability Committee is in action, making sure UBD walks the sustainability talk.

The updated websites of UBD and the Office of Assistant Vice Chancellor for Research, Innovation and Sustainability (OAVC-RIS) now serve as dynamic platforms, reflecting the university's commitment to the United Nations' Sustainable Development Goals. They provide comprehensive information on UBD's sustainability efforts, featuring detailed reports, progress updates, and highlights of activities related to SDGs. The OAVC-RIS, as a key contributor to UBD's sustainability endeavours, actively reports on various research projects and grants that align with sustainability goals. Additionally, the websites act as a channel for engaging with broader society, providing information about UBD's sustainability initiatives and sharing the latest developments. Through these online channels, UBD aims to inspire awareness, participation, and collaboration in advancing sustainability not only within the university but also in the wider community.

As UBD sails into the future, this chapter is our compass. It will chart the goals, strategies, and actions that will make sustainability not just a commitment but a way of life at UBD. It's not just about meeting today's responsibilities; it's about building a culture of improvement and resilience for a sustainable future. Get ready for a voyage into a greener, brighter tomorrow!

Removing Unsustainable Barriers, **Digital Solutions for Responsible Stewardship.**



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8

Sustainability Pillar V:

Empowering Sustainable and Resilient Communities through Engagement and Partnership

PILLAR V

Empowering Sustainable and Resilient Communities through Engagement and Partnership

This pillar focuses on how our university empowers sustainable communities through active engagement and partnerships.

Empowerment enables communities to achieve sustainability goals independently while fostering collaboration and mutual support. Engagement includes involving community members in decision-making processes and initiatives that promote environmental, economic, and social well-being. Partnership emphasises collaborative efforts with local stakeholders, businesses, and government entities to create lasting impacts and ensure community resilience.

By prioritising these principles, our university strives to build strong, sustainable and resilient communities that thrive through shared commitment and action towards a sustainable future.Apart from books and lectures, UBD aims to reach out to the local community and make a difference. This chapter is all about how UBD is spreading its wings, reaching beyond our campus, and making sustainability a community affair.



8.1 Teaming Up with Our Neighbours: Partnerships for a Greener Tomorrow

UBD knows that real change happens when we join hands. That's why we're teaming up with our local communities to understand their unique challenges. We're in it together, creating solutions that fit their needs and values. UBD is sparking friendships that go beyond words – it's about building a community with a shared dream of a sustainable future.

8.2 Knowledge for All: Sharing What We Know

UBD isn't keeping knowledge locked in classrooms - we're offering it to the public through workshops, talks, and easy-to-read material. We're spreading the word on sustainability. We believe everyone deserves to know how to make a positive change. UBD is on a mission to empower our neighbours with the information they need to live a sustainable life, both at home and at work.

8.3 Skills for A Green Life: Building a Sustainable Community

UBD recognises the importance of transferring skills and knowledge to the community. That's why we are diligently preparing and organising training programmes. We're teaching skills that make a difference, turning awareness into action. UBD wants our community not just to talk about sustainability but to live it every day. It's about making green living a part of our community's DNA.

8.4 Sustainability Awareness Campaigns: Let's Spread The Message for A Better Future

Ever seen a community buzzing with green ideas? That's what UBD is aiming for. We're not just saying, "Hey, be eco-friendly!" We're showing the way with campaigns and events raising awareness about the environment, biodiversity, and how to live a sustainable life – UBD wants to be a voice that echoes through our community, inspiring everyone to make choices that keep our society happy.

8.5 Community Engagement: Where UBD Meets You

UBD believes in the power of good communication. So we're opening our doors to everyone. UBD is listening to the community and all interested parties, working hand in hand to tackle challenges and dreams. Together, we're creating a sense of responsibility that goes beyond campus borders.



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8.6 How We're Doing So Far: Lifelong Learning in Action

Ever heard of the Centre for Lifelong Learning (C3L)? It's the heart of UBD's community commitment. Beyond textbooks, C3L links UBD with the wider world, offering education that's not limited to classrooms or ages. By reaching out, offering skills, and making learning accessible to everyone, C3L is turning UBD's mission into a reality. C3L actively embraces all learners, offering valuable skills and knowledge related to sustainability through short courses and microcredentials. Lifelong learning aligns with the university's commitment to developing informed, responsible people who care and take part in making society better.

Ever seen UBD students doing good beyond exams? That's because UBD believes in giving back. During Discovery Year, our students are out there, making a difference for those who need it most, engaging in charitable activities to help underprivileged individuals, and mobilising initiatives to tackle community issues, showcasing the university’s commitment to social responsibility.

UBD is actively committed to making education accessible through conferences, seminars, competitions, and open days for stakeholders and the public. The Office of the Assistant Vice-Chancellor Research, Innovation and Sustainability (OAVC-RIS) actively organises events such as the Sustainability-themed “TEDx Universiti Brunei Darussalam” and the "Shaping a Sustainable Future for Humanity" seminar with visitors associated with NASA. A recent Research Open Day provided an opportunity for UBD to directly engage with local stakeholders. C3L recently organises the 2nd International Conference on Public Health, Environment and Education for Sustainable Development Goals and Life Long Learning.
In addition, a short film competition on sustainable development goals was launched in June 2024.

As UBD moves forward, this chapter isn't just a plan; it's a promise. UBD is putting its heart into reaching out, forming partnerships, and spreading knowledge. We want to be a part of creating a community that stands strong, side by side, for a future that's green and bright.

9

Evaluating Sustainability Progress:

UBD's Commitment to Continuous Growth



This chapter breaks down how Universiti Brunei Darussalam (UBD) is keeping a close eye on its sustainability journey. We recommend ways for continuous monitoring, and evaluating the progress of our initiatives, for setting new goals, and for always improving.

9.1 Measuring Success: Key Performance Indicators (KPIs) in Action

UBD knows it's not enough to say we're doing good; we need to prove it. That's where KPIs come in. We've carefully selected indicators that match our sustainability goals. By setting clear benchmarks, UBD is keeping track of how far we've come, spotting areas to improve, and celebrating the wins on our path to sustainability.

9.2 Open Books: Sustainability Reporting for All

UBD believes in being open and accountable. That's why we're not hiding our progress – we're sharing it. Regular sustainability reports will share the details of our achievements, challenges, and insights. We're sharing the journey with everyone through our website, newsletters, and even with government authorities. UBD believes in transparency, building a culture of improvement through open communication.

9.3 Periodic Masterplan Reviews: Staying Relevant

Sustainability isn't static, and neither is UBD's approach. We're committed to reviewing our sustainability masterplan regularly. This involves a thorough examination of what's functioning well, what requires adjustments, and what new challenges have arisen. This periodic review is a chance for everyone involved to reflect, adjust strategies, and keep UBD's sustainability initiatives fresh and effective.


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9.4 A Culture of Continuous Improvement

UBD considers monitoring and evaluation a tool for constant growth. Insights from KPIs, sustainability reports, and masterplan reviews aren't just numbers – they're opportunities for improvement. UBD is ready to adjust and refine strategies, ensuring our sustainability efforts stay in sync with the ever-changing needs of our campus and broader society.

9.5 Skill Building: Equipping UBD for The Journey Ahead

We in UBD recognise the importance of building local capacity and so we're investing in our people. Workshops and training programmes are in the pipeline, giving our staff, faculty, and other stakeholders the skills to analyse data effectively. UBD is building an internal capacity that goes beyond just numbers towards turning insights into action.

9.6 Where We Stand: Initial Steps Toward Transparency

Right now, UBD is taking the first steps on our monitoring and evaluation journey. Sustainability reporting is underway and our websites are buzzing with updates. The UBD SDG Strategy Committee shows how important internal governance is to us. These early steps are paving the way for the more comprehensive monitoring and evaluation processes.

This chapter is a guide for the ongoing assessment and enhancement of sustainability efforts. UBD is navigating its sustainability efforts with a commitment to continuous assessment and improvement.

Beyond checkboxes and reports, UBD sees sustainability as a dynamic journey. We're not just monitoring; we're evolving, adapting, and building a future where growth is a constant.

10

Conclusions:

Navigating A Sustainable Future

The Sustainability Masterplan at Universiti Brunei Darussalam charts a visionary path that extends beyond the university, impacting Brunei Darussalam and influencing global sustainability efforts. Drawing inspiration akin to an orchestrated symphony, each strategic direction – Research, Education, Infrastructure, Governance and Operations, and Community Outreach from 2024 to 2035 – is meticulously integrated into this sustainability masterplan.

HOLISTIC HARMONY	This masterplan is built on the understanding that sustainability is multi-layered. UBD's commitment goes beyond standalone initiatives; it's about weaving sustainability into every aspect of university life. This holistic approach ensures that sustainability isn't just a goal but a principle shaping UBD's very existence.
GUIDING PRINCIPLES	At its core, this masterplan outlines UBD's mission to be a leading sustainable institution impacting the environment, society, and the economy positively. The commitment to interdisciplinary collaboration reflects UBD's approach to tackling complex sustainability issues with holistic problem-solving.
EMPOWERING LEADERS OF TOMORROW	UBD's mission is clear: empower the next generation with knowledge and values to confront global challenges. From education to community outreach, UBD aims to nurture individuals who are academically proficient, environmentally conscious, and socially responsible.
STRATEGIC PILLARS	The masterplan's pillars form a cohesive structure supporting UBD's sustainable future. Each pillar is carefully crafted to contribute to overarching goals, creating a synergy that propels the university forward.
PARTNERSHIPS AND COMMUNITY ENGAGEMENT	Understanding the interconnectedness of sustainability, UBD emphasises partnerships and community engagement. Collaborating with local communities, sharing knowledge, and building capacities are vital. UBD sees community engagement as extending its commitment, sparking positive change beyond the campus.
MONITORING AND CONTINUOUS IMPROVEMENT	The masterplan stresses systematic monitoring and evaluation using key performance indicators, sustainability reporting, and periodic reviews. UBD will assess progress and actively seek areas for improvement, ensuring initiatives respond to evolving needs.

Vision for 2035:

In essence, UBD's sustainability masterplan is a vision for the future, envisioning the university as a sustainability beacon, inspiring positive change globally. Guided by sustainability principles, UBD aims to leave an enduring legacy for future generations.

Aligned with the Sustainable Development Goals, UBD is poised to shape a future where environmental stewardship, social responsibility, and economic vitality converge harmoniously. As UBD embarks on this transformative journey, we invite our community, partners and stakeholders to join hands in creating a more sustainable future for Brunei Darussalam.

Universiti Brunei Darussalam's Sustainability Masterplan is a **transformative vision.** From empowering leaders to forging partnerships, UBD is weaving sustainability into our every fiber, **creating a future where positive change resonates far beyond our campus.**



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UBD SDG Strategy Committee 2024

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EPILOGUE

“Universiti Brunei Darussalam will continue to advance sustainability on our campuses through innovative and thoughtful investment in research, teaching, infrastructure, governance & operation and community outreach”.

- UBD SDG Strategy Committee

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Sustainability Starts Here

Universiti Brunei Darussalam

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ISBN 978-99917-1-383-0