

IMPACT REPORT 2022

ZERO HUNGER

2 ZERO
HUNGER



PHOTO SOURCE: SNAPSHOT OF FOOD DISTRIBUTION PROGRAMME



UNIVERSITI
MALAYA

CORPORATE DATA CENTRE



UNIVERSITI
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FOREWORD BY ASSOCIATE VICE-CHANCELLOR (CORPORATE STRATEGY)



The Sustainable Development Goals (SDGs) has transformed the landscape of the higher education sector on a global scale. These 17 goals have become a primary reference framework in many institution's planning of education & learning, research & innovation, as well as strategic partnerships strategies.

The publication of the 17 Universiti Malaya Impact Reports 2022 is crucial to monitor our efforts towards SDGs as we are advancing our excellence through the implementation of the UM Strategic Plan 2021-2025, UM Transformation Plan 2021-2030, and UM Sustainability Policy 2021-2030.

For many years, UM has integrated the SDGs into our leadership, university policies, curriculum activities, RDCIE initiatives, values, investments, and strategic partnerships with stakeholders to demonstrate that UM also “walks the talk.” These efforts involve active engagement from our staff, students, and the broader community of stakeholders and alumni.

Congratulations to the team at the Corporate Data Centre for formulating data-driven comprehensive reports that will serve the University in becoming a Global University Impacting The World.

PREFACE BY DIRECTOR OF THE CORPORATE DATA CENTRE



I am delighted to present all 17 Universiti Malaya Impact Reports for 2022, which review the data related to the Sustainable Development Goals (SDGs) and showcase UM's achievements in 2022. The 17 SDGs serve as a guide for addressing the most pressing issues and critical challenges. Each of the 17 SDGs demands strong collaborative efforts from all levels of society to ensure a more resilient and sustainable future for the next generation.

In the Corporate Data Centre, we apply knowledge and data analytics skills to make informed, evidence-based decisions. This not only helps address current challenges but also ensures preparedness for the future.

These 17 Impact Reports for 2022 are flagship reports designed to assist the University in monitoring and examining our contributions to the country's progress in achieving the 17 SDGs.

I would like to seize this opportunity to express my deep appreciation to my team, who have worked tirelessly to collect and analyse data, enabling us to effectively monitor UM's sustainability efforts. I am also sincerely grateful for the support from UM's top management and the hard work of all colleagues across campus, particularly the Sustainable Development Centre, data managers, and controllers, for their cooperation in providing the SDG data for 2022.

OUR IMPACT IN 2022



24 assistance programs empowered **10694** students in their academic journeys.



12 impactful food assistance programs, including free food, food banks, vouchers, and affordable options, eliminated hunger on UM campus.



Over **20** outreach programs delivered essential health services to local communities in need and refugees.



47 enriching courses featured in the 2022 Short-Term/International Training/Study Tour, part of UM Course Buffet to support lifelong learning.



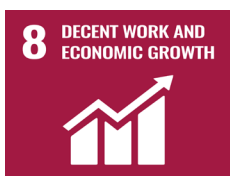
55% Female representation in senior positions



429 participants took on 7 weeks of water conservation challenges during the Kita Jaga Air Challenge 2022.



UM subscribed to the Green Electricity Tariff (GET) program, generating **5.5** million kWh of clean energy



Precision Intervention Program for selected students to produce future-ready graduates enriched with UM DNA.

AIM OF THE GOALS

SDG 1: End poverty in all its forms everywhere

SDG 2: End hunger, achieve food security and improved nutrition and promote sustainable agriculture

SDG 3: To ensure healthy lives and promote well-being for all at all ages

SDG 4: Ensure inclusive and equitable quality education and promote lifelong learning opportunities for all

SDG 5: Achieve gender equality and empower all women and girl

SDG 6: Ensure availability and sustainable management of water and sanitation for all

SDG 7: Ensure access to affordable, reliable, sustainable and modern energy for al

SDG 8: Promote sustained, inclusive and sustainable economic growth, full and productive employment and decent work for all

SDG 9: Build resilient infrastructure, promote inclusive and sustainable industrialization, and foster innovation

SDG 10: Reduce inequality within and among countries

SDG 11: Make cities inclusive, safe, resilient and sustainable

SDG 12: Ensure sustainable consumption and production patterns

SDG 13: Take urgent action to combat climate change and its impacts

SDG 14: Conserve and sustainably use the oceans, seas and marine resources for sustainable development

SDG 15: Protect, restore and promote sustainable use of terrestrial ecosystems, sustainably manage forests, combat desertification, and halt and reverse land degradation and halt biodiversity loss

SDG 16: Promote peaceful and inclusive societies for sustainable development, provide access to justice for all and build effective, accountable and inclusive institutions at all levels

SDG 17: Strengthen the means of implementation and revitalize the global partnership for sustainable development

The development of the Industrial Relations Strategic Planning Framework - Industry University Hyper Engagement Collaboration Framework (INSIGHT)

The publication of the First E-Magazine for Persons with Disability by The Secretariat AUN-DPPnet.

The establishment of UM Master Plan document to guide the university towards achieving a Carbon-Neutral Campus by 2050.

9 initiatives conducted by the Zero Waste Campaign to establish an integrated solid waste management system

The establishment of UM Carbon Neutrality Acceleration Living Labs to contribute to the university's carbon-neutral performance.

In 2022, Project Pulih joined forces with RHB ISLAMIC to protect Malaysia marine ecosystems.

Rimba Ilmu, or Forest of Knowledge, covers 40 hectares and contains an estimated living collection of around 1,700 species of plants.

UM as the first university in Malaysia to conduct campus elections fully run by students.

UM as part of 28 Global Network Memberships, has International Partners based in UM, and 96 Academia-Industry Collaborations.





Overall Ranked
in band
101-200 /1591
From band **201-300** in 2022



Ranked
50/876
From **201-300**
in 2022



Ranked in band
101-200/647
From band **201-200**
in 2022



Ranked in band
101-200/1218
From band **201-300**
in 2022



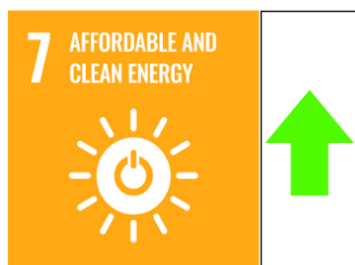
Ranked in band
101-200/1304
From ranked **79**
in 2022



Ranked
3/1081
From ranked **51**
in 2022



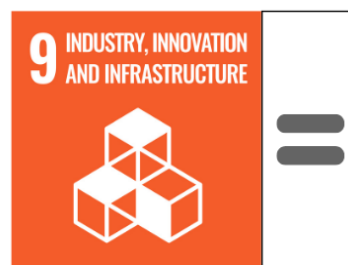
Ranked
60/702
From band **201-300**
in 2022



Ranked
13/812
From 201-300
in 2022



Ranked in band
401-600/960
From band **401-600**
in 2022



Ranked in band
201-300/873
From band **201-300**
in 2022



Ranked in band
201-300/901
From band **101-200**
in 2022



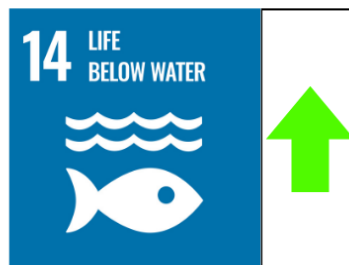
Ranked
72/860
From **101-200**
in 2022



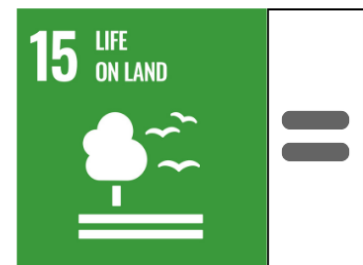
Ranked
73/674
From **201-300**
in 2022



Ranked in band
101-200/735
From band **101-200**
in 2022



Ranked
85/504
From **101-200**
in 2022



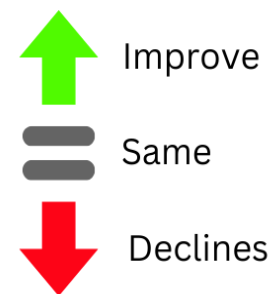
Ranked in band
101-200/586
From band **101-200**
in 2022



Ranked in band
101-200/910
From band **201-300**
in 2022



Ranked
81/1625
From **301-400**
in 2022



Campus Operations

MONITORING AND TRACKING CAMPUS FOOD WASTE

Food waste is a global issue, and universities have a unique role to play in addressing it. Campus dining halls, cafes, and events can generate substantial amounts of food waste. Recognising this, universities worldwide are implementing strategies to monitor and reduce food waste, and Universiti Malaya is no exception.

UM ZERO WASTE CAMPAIGN (UM ZWC)

Addressing the issue of food security requires a significant reduction in the generation of food waste within the campus environment. Universiti Malaya (UM) has taken proactive steps through the implementation of the UM Zero Waste Campaign (UM ZWC), which endeavors to minimise food waste by adopting a comprehensive Waste and Recycle Data Tracking strategy.

The UM ZWC initiative plays a pivotal role in fostering best practices throughout the campus, with a particular emphasis on cafeteria facilities, to facilitate

real-time data collection.

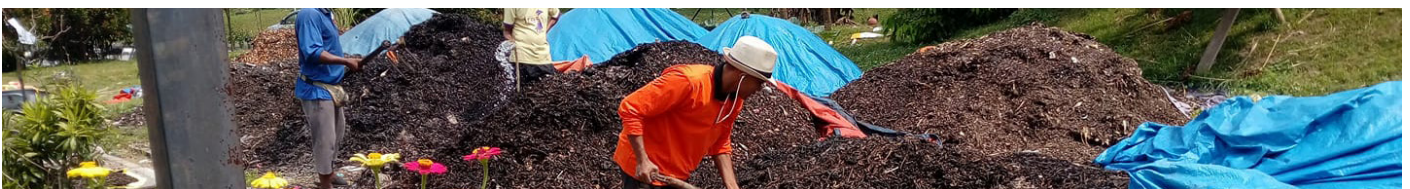
This data serves multiple purposes: firstly, it serves as a metric to gauge the progress made in mitigating food waste. Secondly, it aids staff members in educating consumers about the impact of their personal consumption choices on food waste reduction. Lastly, it takes a proactive approach to instigate behavioral changes among the community, achieved through awareness programs.

The cafeterias have become focal points for raising awareness among diners regarding their role in minimising food waste. Various educational programs

have also been conducted to enlighten individuals about the tangible impact they can make in reducing food wastage.

The initiatives undertaken by UM through UM ZWC have yielded positive outcomes, not only in reducing disposal costs but also in curbing carbon emissions.

Through meticulous tracking from year to year, a notable reduction in food waste has been observed and this accomplishments are indicative of the campaign's efficacy in enhancing sustainable practices on campus. Please visit UM JPPHB Page for further information.



UM Campus Food Waste Data can be accessed via JPPHB's page, <https://jpphb.um.edu.my/utilities>





Food Security

CREATING A HUNGER-FREE CAMPUS

Our efforts to eliminate hunger on campus are about creating a brighter future for everyone. Our mission is to provide access to nutritious meals for every student, making sure that hunger is never a barrier to success. Together, all UM community is taking a stand against food insecurity.

ELIMINATING HUNGER ON CAMPUS

In 2022, we were committed to achieve the goal of eliminating hunger on our campuses through array of innovative and sustainable programs to provide support for students facing food insecurity.

UM FOOD BANK

UM Food Bank is an ongoing effort to ensure students from low-income families can stay healthy as they pursue academic achievements especially those under the B40 category. This transformative initiative was conceived by Umar Aiman Abd Manan, an undergraduate student from the Faculty of Business and Accountancy, who empathetically observed the challenges faced by his fellow

university peers in managing their lives as students. In response to witnessing the prevailing spirit of volunteerism among students and staff, the Ministry of Domestic Trade and Consumer Affairs demonstrated its unwavering support by generously donating 150 boxes of food to our food bank on 6th April 2022.

KELUARGA RAHMAH MENU

The Menu *Keluarga Rahmah* is a nutritious economy rice set meal initiative provided by all residential college cafeterias at UM, with the primary objective of alleviating staff and students' financial difficulties and addressing food insecurity.

The menu comprises two affordable options, priced at RM 3.50 and RM 5.00, respectively.

The RM 3.50 set includes white rice, omelette, and vegetables or ulam, whereas the RM 5 set offers white rice, chicken or fish, and vegetables or ulam.

THE HAPPY LUNCH FOR NEEDY

The Happy Lunch for Needy is a philanthropic food program at the UM Academy of Islamic Studies, established by Dr. Ahmad Fiasal bin Abdul Hamid through contributions from diverse stakeholders. The core objective of this initiative is to alleviate the financial burden faced by economically disadvantaged students. This programme believes that A Hunger-Free Campus is where students have the support they need to excel academically. By addressing hunger, we are empowering our students to reach their full potential.





SUSTAINABLE DONATIONS FROM GOVERNMENTS, NGOS, INDUSTRIES, AND UM STAFF presents a robust platform for providing meals to students in need. Eligible students are given the opportunity to redeem a series of boxed meals from

designated university personnel. In 2022, it is estimated that more than 2910 students have benefited from this invaluable aid.

THE FOOD COUPON INITIATIVE, introduced by the Faculty of Computer Science &

Information Technology has been instrumental in providing eligible students from B40 families with monthly food coupons valued at RM 150. There are more faculties that adopted this method to help students in need.





CHAMPIONING SUSTAINABLE, HEALTHY AND AFFORDABLE FOOD SELECTIONS IN CAMPUS

At UM, we are committed on providing not only affordable but also healthy and high-quality meals that prioritise the health and well-being of our students, staff, and faculty. Our commitment to sustainability is woven into every aspect of our food operations, starting right from the tendering process for food providers. We ensure that sustainability criteria are diligently integrated into all new tenders, paving the way for environmentally conscious and ethical food choices.

Beyond this, we strive to inspire our caterers to continuously adopt and implement sustainable food practices throughout the entirety of their contracts. This way, we can collectively

contribute to a greener and more responsible food ecosystem. Across various campus food outlets, our university places great emphasis on sustainability practices, ensuring that students have access to vegetarian, vegan, and plant-based dietary options, promoting healthy food choices. Notably, two of our renowned

restaurants, namely Supa Bowl Vege in Fourth College and Simple Life Healthy Vegetarian Restaurant at Universiti Malaya Medical Centre, have thoughtfully curated affordable vegan and vegetarian menus, significantly enhancing the overall University experience for our campus community.



Connecting Community

DECODING GLOBAL FOOD SECURITY ISSUES

Educational outreach for food security is not merely about handing out meals. It's about imparting knowledge, fostering self-sufficiency, and enabling communities to break free from the cycle of hunger. Empowering communities with knowledge about agricultural techniques can transform food security in the long term.

ENHANCING FOOD SECURITY THROUGH EDUCATION: EXPLORING THE AGRICULTURE SMART FOOD URBAN FARMING COURSE

The Agriculture: Smart Food Urban Farming course, a part of the esteemed Microcredentials @UM initiative, offers a unique opportunity for farmers and food producers to gain invaluable knowledge, skills, and technology in the realms of food security and sustainable agriculture. By enrolling as students, participants open the doors to understanding the benefits of smart food urban farming for urban communities. Over the span of two weeks, this course, presented by UM, delves deep into the concept of smart food urban farming, providing a comparative analysis against traditional farming practices. Moreover, students will explore how these innovative

technological farms can drive food production in urban areas towards achieving food security.

For more details about the Agriculture: Smart Food Urban Farming course, kindly visit: <https://onlinelearning.um.edu.my/courses/agriculture-smart-food-urban-farming>

PROMOTING KNOWLEDGE EXCHANGE: THE CENTRE FOR RESEARCH IN BIOTECHNOLOGY FOR AGRICULTURE (CEBAR) EXPERT SEMINAR SERIES

CEBAR introduced the CEBAR Expert Seminar Series 2022, a groundbreaking educational platform that brings together experts from diverse disciplines to shed light on pivotal topics related to agriculture and food security. Since its inception in

2019, this seminar series has been instrumental in providing local communities, particularly farmers and food producers with valuable insights into the latest research and technology advancements in the agriculture and food sectors. By educating the community and raising awareness about food security issue through educational programme, UM plays a vital role in addressing a basic human need.

For more information about The CEBAR Expert Seminar Series 2022, please visit this [link](#).



FACILITATING LOCAL KNOWLEDGE SHARING EVENTS

UM demonstrates a steadfast dedication to improving the economy of local farmers, food producers, and aspiring individuals seeking opportunity in the agriculture sector. To fulfill this commitment, the university has conducted diverse knowledge transfer events.

During these events, our esteemed lecturers and researchers take the initiative to disseminate their expertise to the

targeted groups, subsequently reinforced by practical, hands-on training sessions. The overarching aspiration is to foster the emergence of highly skilled and competitive entrepreneurs, thereby engendering sustainable growth within the local agriculture sector.

Ultimately, with skilled entrepreneurs and enhanced agricultural practices, there is a higher likelihood of producing an abundant and diverse range of food products, ultimately bolstering food security in the country.

Among the events organized in 2022 were the Banana/Plant Tissue Culture Workshop by the Plant Biotechnology Incubator Unit (PBIU), held on 3 March 2022, and 27 May 2022. Additionally, there was the Workshop for GFP Farmers in collaboration between CEBAR and the Faculty of Science Terra-Aqua Lab. These are ongoing, proud efforts by UM to create a real impact on the public.





UNIVERSITY ACCESS TO LOCAL FARMERS AND FOOD PRODUCERS

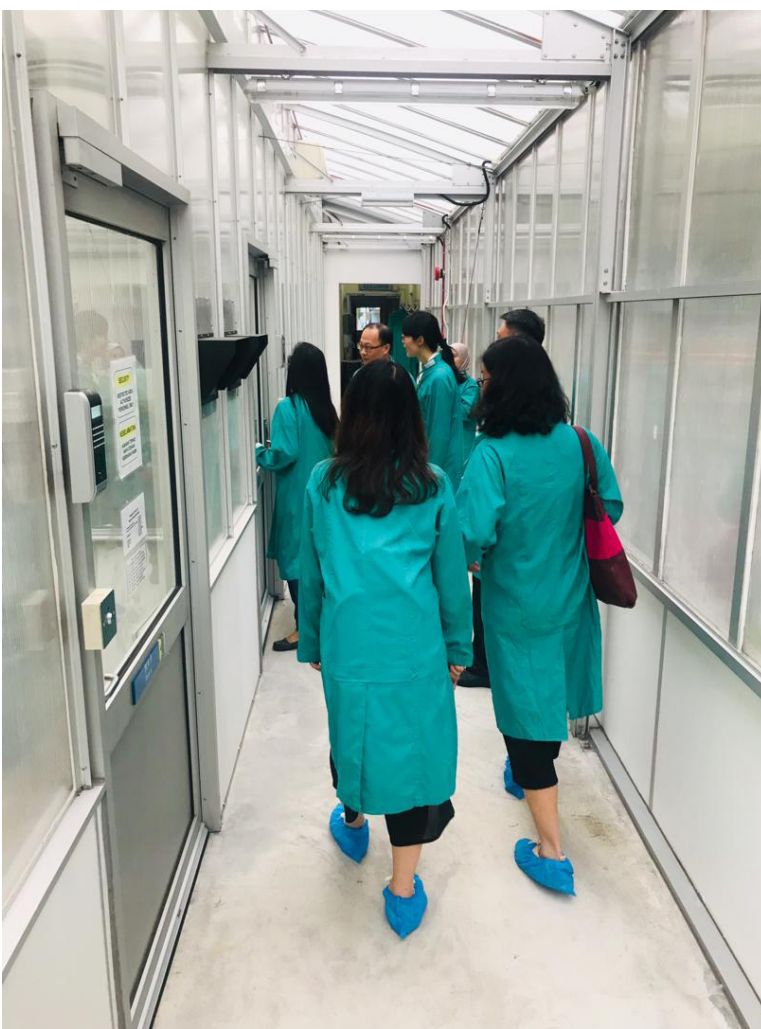
UM provides access to its state-of-the-art facilities to local farmers and food producers, facilitating advancements in sustainable farming practices through the CEBAR. CEBAR's primary mission to be at the forefront of generating and disseminating scientific knowledge and ideas in biotechnology research, supporting a sustainable

agriculture bioeconomy.

The Plant Biotech Facility (PBF) empowers UM to lead in transgenic plant and biosafety research and training. Compliant with rigorous International Biosafety Standards at Physical Containment Level 2 (PCL-2), the PBF offers an array of essential services, from providing dedicated space for growing and monitoring biotech plants to maintaining a 24-hour controlled and monitored

environment, efficient waste management, training and consultation opportunities, and potential research partnerships. Notably, throughout 2022, CEBAR conducted five series of specialised training on PBF to equip public farmers and food producers with valuable agriculture and food knowledge.

For more detailed information, please visit this [link](#).





SDG11 MAKE CITIES AND HUMAN SETTLEMENTS INCLUSIVE, SAFE, RESILIENT AND SUSTAINABLE

UM TEAM IN STRATEGIC PARTNERSHIP WITH PETALING JAYA CITY COUNCIL (MBPJ) AND SMK (P) SRI AMAN LAUNCHED THE ECORANGERS ORGANIC GARDEN 25 May 2022 (Wednesday) @ SMK (P) Sri Aman

The world's population is constantly increasing. To accommodate everyone, we need to build sustainable cities and communities. For all of us to survive and prosper, we need safe, affordable, and resilient local communities with green and culturally inspiring living conditions.

A team from Universiti Malaysia (the Institute of Ocean & Earth Sciences, UM Zero Waste Campaign, and UM Sustainability and Development Centre) has successfully launched the Ecorangers Organic Garden via the Petaling Jaya S.E.E.D Community Grant 2.0 by the Petaling Jaya City Council. This community grant among UM members is under the coordination of UMCares - UM Community Engagement Centre. This initiative's immediate beneficiaries and stakeholder is the community of SMK (P) Sri Aman.

The main goal of this strategic partnership and sustainability intervention is to promote urban transformation for the City of Petaling Jaya towards a circular economy and sustainable school community via recycling, food waste composting, and eco gardens. The launch ceremony was complemented by Prof. Ir. Dr. Shaliza Ibrahim (Deputy Vice-Chancellor, Research & Innovation) with welcoming remarks and Pn. Salwani M. Zain (Principal, SMK P Sri Aman) officiated the Ecogardens. Dr. Shafa'atussara Silahudin (UMCares Fellow), Mr. Affan Nasaruddin, and Mr. Mohd Fadhli Rahmat Fakri (UM SDC) were also present to witness the ceremony. Prof. Dr. Sumiani Yusoff, Project Leader, delivered a brief talk and demo visit to the Ecorangers Garden with participants on the importance of recycling, tackling food waste issues, sustainable lifestyle and circular economy.

More details on the SMK (P) Sri Aman: <https://www.facebook.com/smkpsriaman/>

**PETALING JAYA
CITY COUNCIL
(MAJLIS BANDARAYA
PETALING JAYA)**



[f @um.sustainability](https://www.facebook.com/smkpsriaman/)

[@UniMalayaSDC](https://www.youtube.com/channel/UC...)

[UM Sustainability](https://www.youtube.com/channel/UC...)

<https://sustainability.um.edu.my>



Find us on:



zerowaste.universitimalaya



Zero Waste Campaign -
Universiti Malaya



Organic garden

CILI KECIL
BIRD'S EYE CHILLI PEPPER
RM8/500G



CILI BESAR
GREEN CHILLI PEPPER
RM12/KG



BAYAM HIJAU
GREEN SPINACH
RM2/KG



SAWI PAK CHOY
CHINESE CABBAGE
RM3/KG



SAYUR KANGKUNG
WATER SPINACH
RM3/KG



ORGANIC GARDEN: ADVOCATING FOR LOCAL AND SUSTAINABLE PRODUCTS

At UM, our commitment to sustainable and healthy food choices extends to all cafeterias and food outlets on campus. We consistently advocate for the prioritisation of products sourced from local and sustainable suppliers, as outlined in our tender documents.

One of our pride points is the Campus Organic Gardens, which play a crucial role in promoting the well-being of our employees and students. These gardens serve as key suppliers to our campus food outlets and residential cafeterias, ensuring that fresh and organic produce is readily available to our community.

The Sustainable and Healthy Food on Campus initiative enjoys robust support from the Procurement Division and UM Bursar, who are dedicated to enforcing licensing agreements and conducting regular monitoring of food premises through the Occupational Safety, Health & Environment Office (OSHE).

We call upon all suppliers, food vendors, and canteen operators to join hands with us in embracing the sustainable and healthy food policy, thereby fostering a thriving and nourishing environment on our campus. Together, we can create a sustainable future for our community through conscious food choices.





2 ZERO HUNGER



CDC welcomes your enquiries and feedback on this report.

Please email: corporate_data@um.edu.my