



Sustainable Cities and Communities

Make cities and human settlements inclusive, safe, resilient and sustainable.



Universiti Malaya's Commitment to Sustainable Cities and Communities

Sustainable Development Goal 11 (SDG 11) aims to make cities and human settlements inclusive, safe, resilient, and sustainable. As urbanisation continues to rise globally, achieving SDG 11 is crucial for ensuring that growth and development do not compromise the well-being of communities or the environment. Universities, as centers of knowledge and innovation, play a pivotal role in advancing these objectives by fostering sustainable urban development through research, education, and community engagement.

Universiti Malaya (UM) is deeply committed to contributing to SDG 11 through a range of initiatives that promote sustainable urban living, the preservation of cultural heritage, and the creation of inclusive, resilient communities. In 2023, UM's efforts were closely aligned with the university's strategic frameworks, including the UM Transformation Plan 2030 and the UM Master Plan 2050. These plans emphasise the importance of integrating sustainability into all aspects of the university's operations, from campus development to community engagement. This report highlights the key achievements and initiatives undertaken by UM in 2023, demonstrating the university's leadership in advancing SDG 11.

Public Access to Cultural and Historical Sites

Buildings and Monuments: Universiti Malaya's campus is home to several historically and culturally significant buildings that are accessible to the public. The Chancellery and Dewan Tunku Canselor are among the most notable structures, serving not only as administrative and ceremonial hubs but also as symbols of the university's rich heritage. These buildings are regularly open to the public for tours, events, and ceremonies, allowing both the university community and the general public to engage with the university's history and architectural legacy.

Additionally, UM has made significant efforts to preserve and maintain these historical sites, ensuring that they remain accessible and relevant to future generations. In 2023, restoration projects and accessibility improvements were undertaken to enhance public access and the visitor experience. These efforts are part of a broader initiative to integrate UM's historical and cultural assets into the urban fabric of Kuala Lumpur, contributing to the city's identity and heritage.



Above (top left): Examination Building, Universiti Malaya

Above (bottom left): Faculty of Business and Economics

Above (right): Dewan Tunku Canselor, Universiti Malaya (UM), was constructed between 1965 and 1966. This two-and-a-half-storey building showcases distinctive Brutalist architecture and is constructed with off-form concrete. It stands as an important landmark in the historical development of UM.

Below: The Universiti Malaya Central Library

Libraries and Museums: UM's libraries and museums play a crucial role in promoting access to knowledge and culture. The university's central library, alongside its specialised libraries such as the T.J. Danaraj Medical Library and Tan Sri Prof. Ahmad Ibrahim Law Library, are open to the public, providing access to vast collections of academic and general reading materials. These libraries are not just centers of learning but also serve as cultural repositories, preserving rare books, manuscripts, and historical documents that are invaluable to researchers and the public alike. Source: <https://umlib.um.edu.my/introduction>



The Museum of Asian Art and the Museum of Zoology are two key institutions within UM that offer free public access to their extensive collections. The Museum of Asian Art, with its impressive array of artifacts from across Asia, including ceramics, textiles, and metalwork, is a vital resource for understanding the region's cultural history. Meanwhile, the Museum of Zoology provides insights into Malaysia's rich biodiversity, showcasing specimens that contribute to both educational purposes and biodiversity conservation efforts.

In 2023, these museums enhanced their public engagement through interactive exhibitions, educational programs, and partnerships with local schools and cultural organisations, further embedding the university's cultural heritage into the wider community.

Additionally, the Malay Ethnographic Museum focuses on various themes such as Malay textiles, brassware, pottery, weaving, carving, the Malay kris, traditional technology, and figures in Malay studies.



Above: Museum of Asian Art in UM

Below: Together, the museums form a unique treasure within the Universiti Malaya, known as Treasure@UM. Click on each link or QR code to discover more about them and their locations.



Museum of Asian Art



Malay Studies Museum



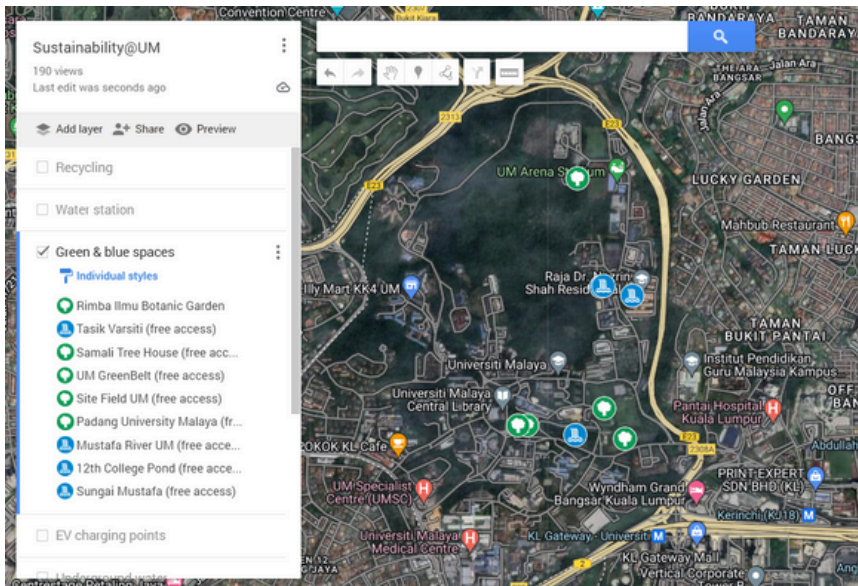
Museum Zoology

Public Access to Green Spaces at Universiti Malaya

Universiti Malaya (UM) offers free public access to its extensive green and open spaces, including its library and museum. The campus is renowned for its lush biodiversity and picturesque landscape which make up nearly 80% of its 309-hectare campus.

At the heart of the campus is Tasik Varsiti, a man-made lake surrounded by fields and recreational facilities that create an open park setting. This area is popular for social and recreational activities such as kayaking, flying fox, tree walks, and birdwatching. With its available facilities, Tasik Varsiti is a hub for exercise and leisure, and parking spaces are provided for easy visitor access.

About Tasik Varsiti: <https://um.edu.my/tasek-varsiti>



Left: The Sustainability@UM map showcases various accessible green and blue spaces on campus, including Samali Tree House, UM Greenbelt, the site field, Mustafa River, and the 12th College pond. You can visit the map [here](#).



Photo: Varsity Lake, Universiti Malaya

Above: Tasik Varsiti at Universiti Malaya, which is freely accessible to the public
Below: The comprehensive map of Universiti Malaya

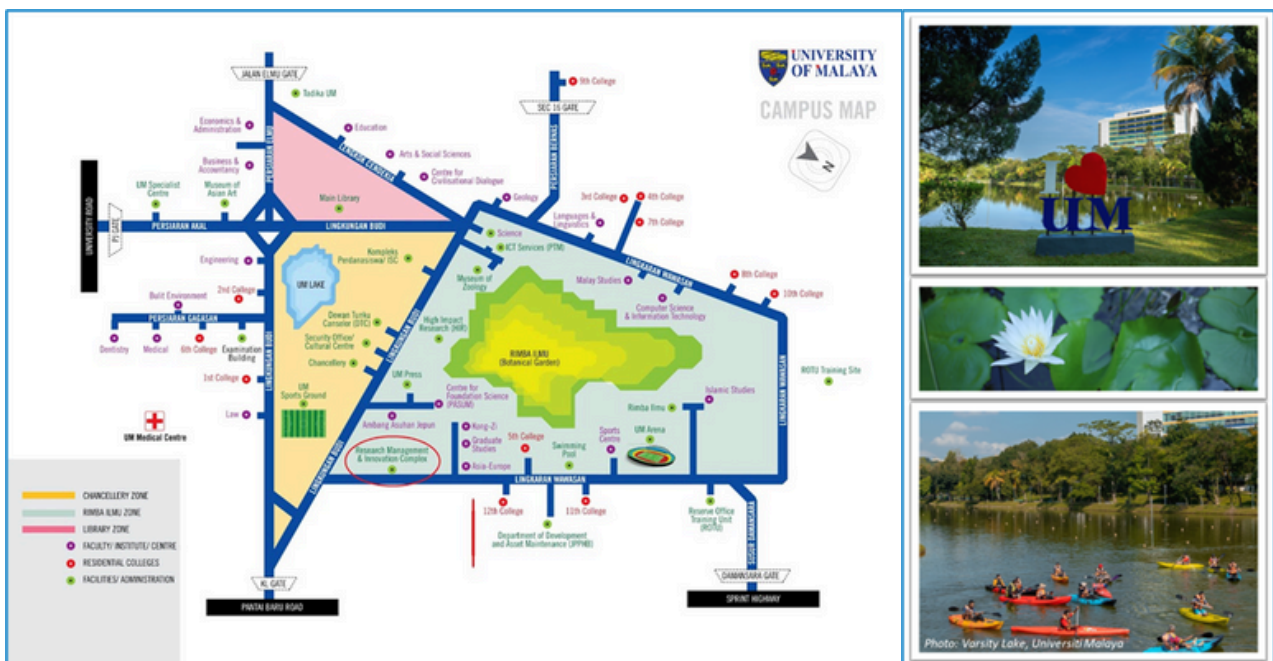


Photo: Varsity Lake, Universiti Malaya

Another prominent green space on campus is Rimba Ilmu, an 80-hectare botanical garden with a rainforest theme that sets it apart from other public gardens in the Klang Valley. Rimba Ilmu offers a unique rainforest experience within an urban environment. The garden features a permanent exhibition titled Rain Forests and Our Environment, providing bilingual information on tropical rainforests, including forest types, biodiversity, and conservation values.

Additionally, Rimba Ilmu houses the Rare Plants and Orchid Conservatory, which showcases a living collection of rare and endangered understorey plants, and a herbarium containing preserved plant specimens for taxonomic research. Although these facilities are accessible to the public, visitors are advised to contact the relevant Centre of Responsibility beforehand to follow necessary safety protocols.

Please visit the following link for more details:

- <https://www.um.edu.my/botanical-gardens>
- <https://sites.google.com/um.edu.my/rimba-ilmu/home>

Below: *The entrance of the Rimba Ilmu Botanic Garden*



Promotion of Arts and Cultural Heritage

Arts Performances and Initiatives: In 2023, Universiti Malaya continued its tradition of fostering a vibrant cultural environment through various arts performances and initiatives, featuring more than 30 performances throughout the year. The Faculty of Creative Arts played a central role in these efforts, organising a series of public performances, exhibitions, and workshops that highlighted both traditional and contemporary arts. These events not only showcased the talents of UM's students and faculty but also provided a platform for local and international artists to collaborate and present their work.

One of the standout initiatives was the annual UM Arts Festival, which in 2023 focused on themes of sustainability and cultural preservation. The festival featured a diverse range of performances, including theater, dance, and music, all of which explored the intersection of art and sustainability. The event drew large audiences from both the university and the broader community, reflecting UM's role as a cultural hub in Kuala Lumpur.

Faculty of Creative Arts: The Faculty of Creative Arts at Universiti Malaya is instrumental in promoting cultural heritage and fostering creativity within the university and beyond. In 2023, the Faculty expanded its outreach efforts, partnering with local schools and community organisations to offer workshops and training programs in various artistic disciplines. These programs were designed to make arts education more accessible to underrepresented groups, including young people from low-income backgrounds and those with disabilities.

In addition to its educational initiatives, the Faculty of Creative Arts collaborated with international institutions to bring global perspectives to UM's cultural programming. This included joint exhibitions and artist residencies that allowed UM students and faculty to engage with global artistic trends while also sharing Malaysian culture with international audiences. These efforts align with UM's broader goals of fostering inclusivity and cultural exchange, as outlined in the UM Transformation Plan 2030.



Cultural Preservation and Promotion: In addition to its environmental initiatives, Universiti Malaya has also been active in preserving and promoting the cultural heritage of the local community. The university's cultural programs are designed to celebrate the rich diversity of Kuala Lumpur and foster a deeper understanding of the city's history and traditions. In 2023, UM hosted several cultural festivals and events that brought together people from different backgrounds to share their cultures and traditions.

The university's commitment to cultural preservation is also reflected in its support for traditional arts and crafts. Through collaborations with local artisans and cultural organisations, UM has helped to revive and sustain traditional crafts that are at risk of disappearing. These efforts not only contribute to the preservation of cultural heritage but also provide economic opportunities for local artisans, aligning with the goals of SDG 11 to promote inclusive and sustainable urbanisation.



“Children’s Theatre: Dear Anna” (June 2023).

Synopsis: The story revolves around Andy, an ungrateful kid who suddenly lost everything including his family. A mystery girl, Anna, appears and take him to a magical world. A world that is supposed to bring peace and happiness but unfortunately everything goes wrong for Andy and Anna. (Source: UMSDC)



“2023 National Taiwan Normal University Music Masterclass & Showcase” (October 2023).

Synopsis: Faculty and students from National Taiwan Normal University (NTNU) visited the Faculty of Creative Arts at Universiti Malaya to conduct masterclasses and showcase their talents at the music department. (Source: Faculty of Creative Arts)



“Bangku” (February 2023). *Synopsis: This production presented the stories of six characters across three different eras, reflecting the journey of a nation called Malaysia. It captivated audiences with performances by Drama students from the Faculty of Creative Arts, Universiti Malaya, under the direction of Dr. Lenny Erwan. (Source: Faculty of Creative Arts)*



“Karnival Teater” (May 2023), This competition involved residential colleges and the Off-Campus Unit of UM. A total of 11 productions competed in 2023, showcasing theatrical performances that evaluated directing, acting, and scenography. (Source: Faculty of Creative Arts, and UM Student Affairs Department)



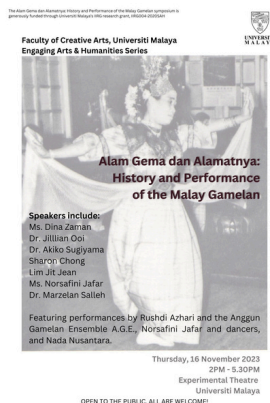
“Malaysia - Indonesia Cultural Performance” (June 2023). Organised in conjunction with the Malaysia-Indonesia Cultural Relations Program. It was a collaborative effort between Universiti Malaysia, Universitas Negeri Padang (Indonesia), and the Kerinchi Communities of Malaysia and Indonesia. (Source: Faculty of Creative Arts)



“Kenapa Kau Bayang Waktu” (October 2023) tells the story of the impact of mental health challenges on an individual after the world was struck by the COVID-19 pandemic (Source: Bahagian Kaunseling & Pemerkasaan OKU)



“Talent Night” (June 2023) aimed to promote Malaysian art and culture within the campus community, featuring performances such as popping street dance, a musical duet, and solo acts (Source: UM Dance Sport Club and UM Global Buddies)



“Alam Gema” (November 2023) presents innovative interpretations of the Malay Gamelan, exploring its historical roots and contemporary relevance (Source: Faculty of Creative Arts)



“Friends” (January 2023) is an absurdist drama depicting the gradual destruction of an individual (Source: Faculty of Education)



“Baca-Baca” (November 2023) features four scripts that will be read: “Antara Kau dan Hujan”, “Janji Ayah”, “Bukan Beras Yang Dicari”, and “Sodol Rasa Sa-Orang Perempuan” (Source: Faculty of Creative Arts)



“Festival Ruang Seni” (January 2023) is a festival featuring dikir barat performances and presentations by local and international students (Source: Academy of Malay Studies)



“Mini Recitals” (February 2023) featured performances by UM students showcasing piano, percussion, and jazz piano (Source: Faculty of Creative Arts)



“Music Showcase 2023” (May 2023) (Source: Faculty of Creative Arts)



“Graduation Recitals” (July 2023) featured performances by UM students showcasing piano, percussion, and jazz piano (Source: Faculty of Creative Arts)



“2023 Taiwan - Malaysia Youth String Ensemble Gala Performance” (July 2023) (Source: Faculty of Creative Arts)



“Jom Mengenali Etnik-Etnik Malaysia” (December 2023) showcases dances from various ethnic groups in Malaysia (Source: Faculty of Creative Arts)



“Showcase: An Intercultural Journey through Contemporary Art Songs” (December 2023) incorporates Malay-language poetry into Art Song compositions, offering an opportunity to appreciate local language and culture through a unique musical medium (Source: Faculty of Creative Arts)



“Wind Symphony: VIVA BELIA'N Resonation of Youthful Courage” (May 2023) showcased performances by UM students featuring wind instruments (Source: Faculty of Creative Arts)



“A night with Aina Abdul” (June 2023)
(Source: Faculty of Creative Arts)



“Bukan Beras Yang Dicari” (October 2023), part of the Festival Teater Pengguna Siswa Universiti Awam MAKUM 2023, tells the story of a prince who travels and disguises himself as a cloth merchant in search of his ideal match (Source: UM)



“Asmara-ra” (May 2023), performed by UM students from the 7th Residential College, tells the story of prefects and bullying in a boarding school. (Source: Kumpulan Teater Layar Za'ba)



“Bunga Larangan” (May 2023), performed by UM students from the 11th Residential College, tells the story of the Princess of Gunung Ledang from Majapahit, who has fallen in love with a Melaka admiral, Hang Tuah (Source: Kolej Kediaman Ungku Aziz)



“Pelarian Perang” (May 2023) is a play centered around a married couple who survive the tragedy of murder and ethnic cleansing that occurs in two Palestinian refugee camps. (Source: Kolej Kediaman Kinabalu)



“Family of Thieves” (May 2023) is a play that tells the story of a family living on the outskirts of Tokyo, where they have been marginalised by the local community (Source: Kolej Kediaman Dayasari)



“Sebelum Ku Terjaga” (May 2023) tells the story of Nora, who loses her memory upon waking from sleep (Source: Kolej Kediaman Tuanku Abdul Rahman)



“Tetamu Tak Diundang” (May 2023) tells the story of the conflict between an elderly blind woman and her family in a grand white mansion (Source: Kolej Kediaman Tun Syed Zahiruddin)



“Seratus Langkah ke Hadapan” (May 2023) is a play that tells the story of individuals who become victims of cybercrime, struggling and stressed as they navigate life in today's digital era (Source: Kolej Kediaman Tun Ahmad Zaidi)



“Pencak II” (May 2023) is a play that tells the story of Aliff, who harbors deep resentment after being defeated by Tok Aswad in front of the villagers (Source: Kolej Kediaman Raja Dr. Nazrin Shah)



“Legenda Batu Kertala” (May 2023) is a play that tells the story of the Kingdom of Seni Layangan, ruled by King Iskandar Shah, whose daughter, Princess Anita, suffers from an illness that requires a magical stone, Batu Kertala, to survive (Source: Kolej Kediaman Bestari)



“Rumah Pasung” (May 2023) is inspired by the tragic events of the Rumah Pasung Bukit Yong that took place on March 23, 1953 (Source: Kolej Kediaman Tuanku Bahiyah)



“Delaila” (June 2023) (Source: Faculty of Creative Arts)



“Yang Buta” (May 2023) revolves around nine blind individuals - four men and five women - who follow a priest into the forest (Source: Kolej Kediaman Tuanku Kurshiah)



“Malam Konsert Gema” (May 2023) showcased a performance featuring a collaboration of UM undergraduate and postgraduate students, highlighting their artistic talents (Source: Faculty of Creative Arts)

Preserving Malaysia's Cultural Heritage: UM's Commitment to Intangible and Tangible Conservation

A Japanese grant has enabled the University of Malaya (UM) to deepen its work in preserving Malaysia's intangible cultural heritage - such as folklore, language, traditions, and knowledge - particularly among displaced communities. This aligns with SDG 11 (Sustainable Cities and Communities), fostering sustainable preservation and cultural exchange.

For more information, view the articles [here](#).

Additionally, UM's Conservation and Cultural Heritage Group focuses on conserving tangible heritage through monument and site restoration, heritage impact assessments, documentation, and conservation policies, supporting cultural sustainability.

Visit [here](#) for more information.



Universiti Malaya Research Gallery on Culture and Heritage: A Revelation on the Thirst for Cultural Identity in the Hustle of Technology

The Universiti Malaya Research Gallery, themed Culture and Heritage, at the Research Management & Innovation Complex (IPPP), Universiti Malaya, was vibrant with activities throughout the period from 4th September to 3rd October 2023. The Research Services Division (BPP) enhanced the gallery experience by providing a dedicated space for traditional games such as congkak, tengteng, batu seremban, dam haji, dam ular, lompat getah, gasing, tutup botol, and Chinese checkers. These games garnered significant interest, attracting not only Universiti Malaya staff but also members of the public and schoolchildren who visited to engage with the gallery's cultural offerings.



Above: Poster for UM Research Gallery 2023 - Theme: Cultural and Heritage (Source: UM Research)

The Faculty of Creative Arts brought a vibrant lineup of talks to the gallery event, sparking curiosity and discussion around various aspects of culture and creativity. Highlights included a preview of “Hamdalok”, an insightful book review titled Abstraction & Islamic Aesthetic in Malay, and New Perspectives in Creative Arts Research. Attendees were also intrigued by Art Biomechanics at the Crossroads of Interdisciplinary Studies, and a thought-provoking seminar on Intangible Cultural Heritage, which explored the non-material aspects of culture, oral traditions, performing arts, and social practices among Indigenous people in Malaysia.

Beyond the Faculty of Creative Arts, other faculties enriched the gallery’s offerings with equally engaging talks. The Faculty of Arts and Social Sciences presented Time in Non-Western International Relations Theory: Moral Time, Golden Eras, and Modern Renaissance in Southeast Asia, while the Faculty of Languages and Linguistics hosted a webinar on Understanding and Preserving Cultural Heritage through Languages and Linguistics.

The Academy of Malay Studies (APM) rounded out the program with Bicara Warisan: Antara Pelestarian dan Perniagaan, offering perspectives on the balance between heritage preservation and commerce.

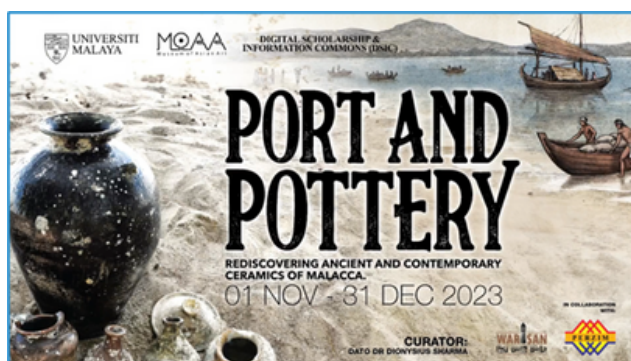


Above: Visitors at the UMR Gallery 2023 engaged in various traditional games, while the Faculty of Creative Arts and the Faculty of Languages and Linguistics showcased an array of traditional cultural and heritage items that captivated many attendees

Port and Pottery Rediscovering Ancient and Contemporary Ceramics of Malacca

The Rediscovering Ancient and Contemporary Ceramics of Malacca exhibition showcases the rich history of Malacca, a key trading port from the 15th to 16th centuries. Founded in 1400 by Parameswara, Malacca attracted a diverse range of traders, leading to its global significance as an emporium for spices, textiles, and ceramics.

In 2019, ancient ceramics were discovered along the Malacca River due to land reclamation efforts. These artifacts, primarily from East and Southeast Asia, served various purposes, including storage and transportation of goods like water, spices, and food.



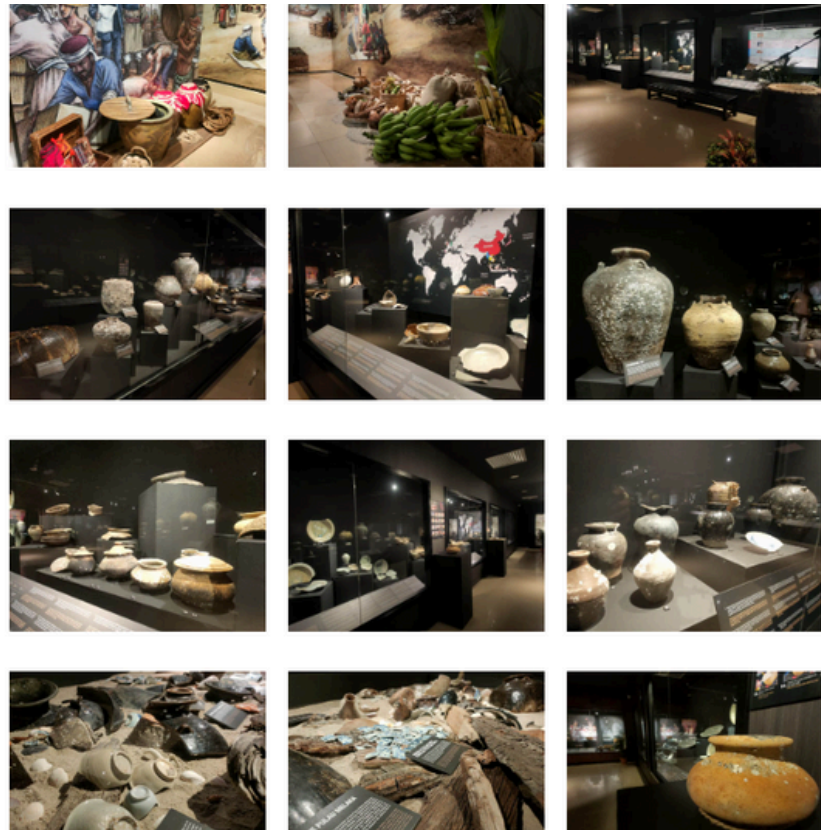
Above: Poster for “Port and Pottery: Rediscovering Ancient and Contemporary Ceramics of Malacca” (Source: Museum of Asian Art, UM)

The exhibition features a variety of ceramics, including Yuan and Ming Dynasty pieces, regional earthenware, and items from the Baba Nyonya, Portuguese, and Chetty communities, alongside ceramics recovered from shipwrecks in the Straits of Malacca. This event highlights Malacca's vibrant maritime trade history and its impact on ceramic craftsmanship.

Watch the full video of the event launch here:

<https://www.facebook.com/UniversityofMalaya/videos/1360053964678876/>

Right: Displays during the exhibition
(Source: Museum of Asian Art, UM)

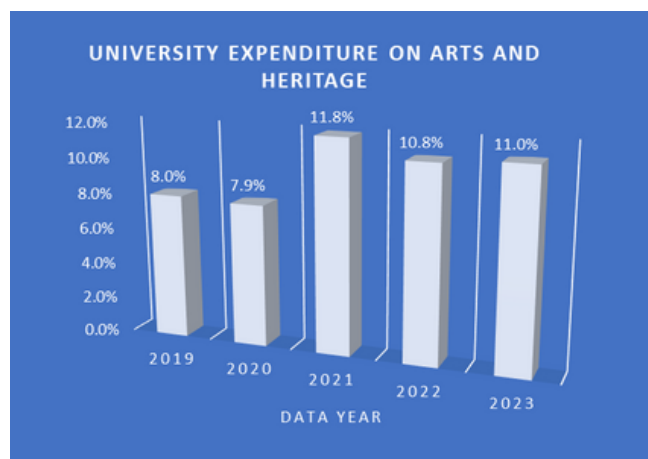


Investing in Culture: UM's Commitment to Arts and Heritage

The chart illustrates the proportion of the Universiti Malaya (UM)'s expenditure dedicated to arts and heritage from 2019 to 2023, excluding spending on sports facilities. The data shows a steady increase in investment, rising from 8.0% in 2019 to a peak of 11.8% in 2021. Although there was a slight decrease to 10.8% in 2022, the expenditure rose again to 11.0% in 2023. This trend reflects UM's sustained commitment to promoting and preserving arts and heritage within the university's priorities.

UM increased expenditure on arts and heritage, reaching 11.0% of total expenditure in 2023, aligns with its commitment to Sustainable Development Goal 11 (SDG 11) - Sustainable Cities and Communities. By consistently investing in arts and heritage, UM contributes to cultural preservation, fosters a vibrant campus community, and enhances the social and cultural environment.

This dedication not only enriches the educational experience but also supports broader sustainable urban development by promoting cultural awareness, inclusivity, and a sense of identity. Through these initiatives, UM plays an active role in sustaining cultural heritage, making it a pillar of sustainable development both on campus and in the wider community.



Above: Graph for UM's expenditure on arts and heritage

Sustainable Housing and Infrastructure

Affordable Housing Initiatives: Located in the heart of Kuala Lumpur, UM faces challenges in securing affordable housing for its students and staff due to its city-center location. To address this, UM is committed to supporting its community by aiding in providing affordable accommodation/housing and basic services, ensuring everyone can find a place to call home.

UM offers affordable accommodation for over 10,000 students, including both local and international students, through its 13 Residential Colleges and an International House, managed by the Student Affairs Department (HEP). The accommodation/housing offers low and affordable rent from as low as RM6.50 a day, which includes the WiFi connections and utilities. The rents offered were tailored to ease the students' financials, especially to those who are from low-income families (B40).

These accommodations are located within the main campus to make it easier for students to commute from their residences to their respective faculties via dedicated pedestrian walkways and cycling paths surrounding the residential area.

Additionally, HEP provides ample bus services all day long to facilitate student mobility around the campus. All Residential Colleges are equipped with various amenities for students' comfort and wellness, including communal study spaces, sports fields and courts, gyms, laundromats, cafés, mini-markets, printing shops and others.

Apart from the on-campus accommodation, the University, with the help of Universiti Malaya Students' Union (UMSU), also provides affordable off-campus housing options to the students throughout their academic session, especially to the B40 students and students from East Malaysia (Sabah, Sarawak, W.P. Labuan). The houses are named "Rumah Sewa KMUM" and are rented for RM150.00 per month and located slightly outside of the campus' compound.

Another university's latest initiative involves compiling a list of available rental properties around the university's vicinity. The list was derived from verified realty agents, verified websites and verified house owners. The verified sources help to protect students from potential rental scams.



Above: "Rumah Sewa KMUM", an example of off-campus housing

Left: An affordable room option at a UM residential college

LIST OF RENTAL ROOM / HOUSES

NUM	INFORMATION	ISSUED BY	DOCUMENT
1	Off-Campus Accommodation List (Managed by Rizuri Technology Sdn Bhd)	JHEP	Open
2	Off-Campus Accommodation List (Managed by Wanderlust Global Malaysia)	JHEP	Open
3	Off-Campus Accommodation List (Personal Property)	JHEP	Open

OWNER / AGENT REGISTRATION FOR HOUSE / ROOM RENTAL ADVERTISEMENT

NUM	INFORMATION	ISSUED BY	DOCUMENT
1	If you have a house or room near UM available for rent to UM students, please do not hesitate to advertise with us!	JHEP	Open

Left: The list of verified off-campus accommodations (Source: UM Student Affairs Department)

UM's affordable housing programs are particularly focused on supporting students from low-income backgrounds, ensuring that financial barriers do not prevent them from accessing quality education. The university has also implemented policies to ensure that all students, regardless of their economic status, have access to safe and comfortable living conditions. These efforts are part of UM's broader strategy to create an inclusive and supportive campus environment, in line with the objectives of SDG 11 and the UM Transformation Plan 2030.

In addition to providing affordable housing for students, the Universiti Malaya (UM) also offers a number of university-owned affordable houses and flats for its staff members. These housing options are managed by the Office of the Deputy Vice Chancellor (Development) and are aimed at supporting UM staff in finding convenient and affordable accommodation within proximity to the campus. The Rental rates and charges are determined based on the regulations set forth in the University of Malaya Statute. These rates are designed to be affordable and consider the status and needs of the staff.

By providing these affordable housing options, UM aims to support its staff members, particularly those who may face challenges finding accommodation in the high-cost area of Kuala Lumpur. This initiative reflects UM's commitment to ensuring that its community, including staff, has access to affordable and convenient living arrangements.

For more details please visit:

- <https://hep.um.edu.my/accommodation>
- <https://gem.um.edu.my/accommodations-for-mobility-students>
- <https://hep.um.edu.my/student-with-disabilities>
- <https://jpphb.um.edu.my/staff-housing>



Sustainable Commuting and Urban Planning

Transportation Initiatives: Universiti Malaya (UM) has been enhancing its sustainable commuting efforts as part of its commitment to create a carbon-neutral campus. UM's comprehensive efforts are aligned with the university's Eco-Campus Blueprint, which outlines its strategies to enhance sustainability on campus. The UM EcoCampus Living Labs initiative plays a crucial role in these efforts, focusing on sustainable transportation solutions such as promoting cycling, carpooling, and prioritising pedestrian access. For detailed information on these guidelines, you can refer to the [UM EcoCampus Living Labs Guidelines \(2nd Edition 2021\)](#).

In 2017, UM launched Obike, a bicycle rental service aimed at encouraging cycling among the campus community. To further reduce congestion, fuel consumption, and emissions, UM developed the UM Ride Share app in 2019, specifically for staff. This app facilitates carpooling, and as part of the broader UM Carpool Program, it offers incentives such as priority parking, discounted permits, and a Guaranteed Ride Home service. Additionally, the program, which is a component of the UM Living Lab initiative (established in 2019), provides rewards like KPI points, meal coupons, and book discounts to encourage participation among staff and students.

To further reduce traffic and emissions, UM provides **flexible working hours** and, in certain cases, remote working options at the discretion of department heads. This approach not only alleviates peak-hour congestion but also aligns with UM's carbon reduction targets by minimising the need for daily commuting.

LAMPIRAN A

**PROSEDUR DAN SYARAT PELAKSANAAN WAKTU BEKERJA FLEKSI (WBF)
DI UNIVERSITI MALAYA**

- Pemakaian**
Pelaksanaan Waktu Bekerja Fleksi (WBF) adalah terpakai kepada staf bukan akademik yang mengguna pakai Waktu Bekerja Berperingkat (WBB) sahaja dan tidak terpakai kepada staf yang mengguna pakai Waktu Bekerja Syif. Ia tidak terpakai juga kepada Ahli Pengurusan Universiti serta Staf Akademik/Guru Bahasa yang boleh merekodkan kehadiran pada bila-bila masa dalam hari bekerja bagi tarikh yang sama (24 jam).
- Waktu Bekerja**
 - Dengan pelaksanaan WBF ini, waktu pejabat adalah bermula dari jam 7.30 pagi hingga 6.00 petang kecuali pada hari Khamis di Nilam Puri dan Bachok, Kelantan juga Kota Tinggi, Johor iaitu bermula dari jam 7.30 pagi hingga 4.30 petang.
 - Staf boleh memulakan tugas pada bila-bila masa antara jam 7.30 pagi hingga 9.00 pagi dan menamatkan waktu kerja antara jam 4.30 petang hingga 6.00 petang dengan syarat memenuhi tempoh waktu bekerja sembilan (9) jam sehari. Sebagai contoh, staf yang memulakan tugas pada jam 7.45 pagi boleh menamatkan tugas pada jam 4.45 petang.
 - Staf yang merekodkan waktu bekerja melepasi jam 9.00 pagi akan direkodkan sebagai lewat (late) tetapi masih boleh menamatkan tugas pada jam 6.00 petang. Kemudian faksi lewat tidak melebihi 10 minit dari mula waktu bekerja yang diberikan bagi WBB adalah dihapuskan.
 - Hari bekerja, tempoh waktu bekerja sehari dan waktu rehat adalah seperti di Jadual 1 berikut:

Negeri	Hari Bekerja	Waktu Masuk (pagi)	Waktu Keluar (petang)	Tempoh Waktu Bekerja Pejabat Yang Perlu Dipatuhi	Waktu Rehat
Kuala Lumpur/ Banting/Klang/ Jelebu	Isnin – Jumaat	7.30 – 9.00	4.30 – 6.00	9 jam	Isnin-Khamis 1.00 tengah hari – 2.00 petang (1 jam) Jumaat 12.15 tengah hari – 2.45 petang (2 jam 30 minit)
Nilam Puri/ Bachok/ Kota Tinggi	Ahad – Rabu	7.30 – 9.00	4.30 – 6.00	9 jam	Ahad-Khamis 1.00 tengah hari – 2.00 petang (1 jam)
	Khamis	7.30 – 9.00	3.00 – 4.30	7 jam 30 minit	

Jadual 1: Hari Bekerja, Tempoh Waktu Bekerja Sehari dan Waktu Rehat

Above: *Procedures and Conditions for Implementing Flexible Working Hours at Universiti Malaya*
(Source: UM Human Resource Department)

Below: *Walkways for person with disability*



UM has also prioritised **pedestrian access** on campus as part of its sustainability and accessibility efforts. The university has developed special lanes and interconnected walkways to create a safe, pedestrian-friendly environment. These walkways include features like crosswalks, traffic lights, and guidance tiles for individuals with disabilities, ensuring inclusivity. Informative signposts and maps have been placed around the campus to help pedestrians navigate easily. This emphasis on pedestrian priority supports UM's goal of sustainable transportation while enhancing the overall safety and well-being of the campus community. For detailed information on these guidelines, you can refer to the [UM EcoCampus Living Labs Guidelines \(2nd Edition 2021, page 112 to 115\)](#).

Furthermore, UM offers **free shuttle bus** services and collaborates with RapidKL MRT to expand public transport options and reduce reliance on personal vehicles. In line with its commitment to non-motorised commuting, the university has implemented shared cycling lanes, interconnected walkways, and pedestrian paths with accessible features since 2018. UM aims to reduce motorised transport by 30% to cut down carbon emissions. In 2023, the university expanded its shuttle bus services, providing more frequent and reliable connections between different parts of the campus and nearby public transportation hubs. This initiative is aimed at reducing the number of private vehicles on campus, thereby decreasing traffic congestion and emissions.

The upcoming **MRT3 Circle Line**, scheduled for completion in **2030**, will further integrate UM into the Klang Valley transit system, providing enhanced connectivity for students, staff, and visitors. This expansion, also known as the "MRT Line 3", will form a loop line connecting various locations around Kuala Lumpur, including Universiti Malaya. This development is set to improve the accessibility of UM significantly, offering seamless connections between the campus and other major parts of the city, thereby promoting sustainable commuting solutions and reducing travel times.

Additional details on UM's MRT connectivity and the MRT3 Circle Line project can be found on [UM's MRT Connectivity page](#) and the [MRT3 Circle Line information page](#), which provide further insights into UM's commitment to integrating efficient and eco-friendly transportation options for the university community.



Above and below: Free shuttle bus in UM



Collaborating with Local Authorities to Address Planning Issues and Development

To further its commitment to sustainable urban development, Universiti Malaya (UM) has actively collaborated with local authorities in Kuala Lumpur and Subang Jaya. These collaborations aim to align the university's infrastructure projects with the city's broader urban planning goals, particularly in the areas of smart city, housing, community and environmental sustainability. In 2023, UM worked closely with the Kuala Lumpur City Hall (DBKL) and Federal Territory of Kuala Lumpur.

- For instance, Associate Prof. Mohamed Jamil Ahmad from the Department of Urban and Regional Planning, Faculty of Built Environment, was appointed as a Panel Member of the Federal Territory of Kuala Lumpur Planning Appeal Board for the term 2021–2023. He also participated in the Workshop on the Preparation of DBKL Planning Guidelines in October 2023.
- Furthermore, Professor TPR Dr. Melasutra Md Dali and Dr. Yong Adilah Shamsul Harumain were among the contributing authors for the 2023's policy paper *Penilaian Bandar Pintar Inklusif Warga Emas* and the blueprint *Kajian Penilaian Bandar Pintar Inklusif Warga Emas (WE-SMART CITY)*, developed under the National Population and Family Development Board (LPPKN).
- Professor TPR Dr. Melasutra Md Dali is a Registered Town Planner under the Town Planner Act (Act 538) and a member of the Malaysian Association of Social Impact Assessment. In February 2023, she participated in a Kuala Lumpur Residents Associations (KLRA) talk focused on inclusivity. The Coalition of Kuala Lumpur Residents Associations (KLRA) aims to collaborate with elected Members of Parliament, DBKL, and other government agencies to develop a model sustainable city that enhances the quality of life for residents.



Above: Professor TPR Dr. Melasutra Md Dali during the Kuala Lumpur Residents Associations (KLRA) talk

Below: Dr. Yong Adilah Shamsul Harumian's "Hentian Komuniti" project with Subang Jaya City Council



- Dr. Yong Adilah Shamsul Harumian from the Faculty of Built Environment at Universiti Malaya was awarded the Subang Jaya Smart Vibrant Community Grant (SJSVCG) in October 2023. The team received support from the Subang Jaya City Council to develop a project aimed at empowering modern communities through community hubs (Hentian Komuniti).

These collaborations are crucial for ensuring that UM's growth as a university contributes positively to the development of Kuala Lumpur and Subang Jaya as a sustainable and inclusive city. By working with local authorities, UM can leverage its expertise in research and innovation to address some of the city's most pressing challenges, from traffic congestion to urban heat islands. This approach not only benefits the university community but also contributes to the well-being of the broader population.

Constructing New Buildings to Meet Sustainable Standards at Universiti Malaya

Universiti Malaya's approach to urban planning is guided by a sustainable development framework that integrates environmental, social, and economic considerations into all facets of campus development. This framework aligns with the UM Master Plan 2050, which envisions a campus that serves not only as a center of academic excellence but also as a model for sustainable living.

The Master Plan emphasises the conservation and restoration of buildings of national significance (Heritage Buildings and Sites) and the protection of green spaces and water bodies, including local biodiversity. It focuses on creating a vibrant and sustainable environment that encompasses academic, cultural, and community aspects.

Maintaining a growing campus population and facilities necessitates strategic foresight to achieve carbon neutrality and ensure equitable resource allocation. As outlined in the UM Master Plan 2050 (pages 96–100), Universiti Malaya will take the lead in green campus planning by implementing current best practices in sustainability and leveraging research breakthroughs. This approach aims to enhance existing environmental biodiversity and improve physical infrastructure across the campus.

Furthermore, the Universiti Malaya Sustainable Development Checklist is designed for all development, renovation, and upgrade projects at the university. This checklist ensures that essential sustainability elements - such as trees, landscaping, utilities, water bodies, and ecosystem services - are thoroughly evaluated and integrated into the planning and execution processes. The primary objective is to enhance environmental resilience, support biodiversity, and contribute to the campus's goals of carbon neutrality and sustainability.



5.1 Buildings



96 UM MASTER PLAN 2050 CAMPUS PLANNING BLUEPRINT

Above: UM Master Plan 2050 (pages 96–100)
(Source: UM Estates Department)

Below: Universiti Malaya Sustainable Development Checklist (Source: UM Estates Department)



**DEVELOPMENT CHECKLIST
(REVISION 1, FEBRUARY 2018)**

PROJECT:

Brownfield in UM: UM Zero Waste Centre Gallery

Universiti Malaya (UM) has optimally promote a responsible land use practices including development of buildings on its brownfield sites. Brownfield site is referring to a site on which there has been previous, recent building or previously developed land, with or without any level of contamination that is currently underused or unused.

A special development project on brownfield site is carried out by the Estates Department (JHB) dedicated to integrated and responsible waste management in Universiti Malaya. The site is previously functioning as a waste transfer station of campus waste before it was further divided into recyclables and non-recyclables. The new building called UM Zero Waste Centre (UM ZWC) Gallery, developed within 3 years commencing 21 September 2021 and completed on 20 May 2024. The project was carried out by the appointed contractor: Razmi Construction and Trading, under the enforcement coordination of the Malaysian Public Works Department (Jabatan Kerja Raya Malaysia) with supervision of Estates Department (JHB) Universiti Malaya. The amount of investment for this special project is RM6,355,444.80 under 11th Malaysia Plan allocation for Universiti Malaya.

Due to this special development project on the dedicated UM Zero Waste Centre's Waste Transfer Station, classified as a brownfield site, the organic waste treatment activity (composting project of food waste and green waste) carried out at this site had to be stopped and carried out on a minimal basis, which affect the amount of organic waste treated throughout 2021 to 2024.

Brief information on UM ZWC Gallery:

- Total area: 111,388.78 meter square
- Building area: 2,814.84 meter square
- Green area: 1,707.54 meter square
- Floor area: 461 meter square



Above: UM ZWC Gallery Building during the development phase

Below: The UM ZWC Gallery during site proposal stage

11



Global Alignment and Contribution to SDGs

Alignment with UM Transformation Plan 2030 and UM Master Plan 2050:

Universiti Malaya's initiatives under SDG 11 are closely aligned with the university's long-term strategic plans, including the UM Transformation Plan 2030 and the UM Master Plan 2050. These plans emphasise the importance of sustainability in all aspects of the university's operations, from campus development to academic programs and community engagement.

The UM Transformation Plan 2030 outlines specific goals for enhancing the university's infrastructure, promoting sustainable practices, and fostering a culture of innovation and inclusivity. By prioritising sustainable urban development, UM is not only improving the quality of life on campus but also setting an example for other institutions to follow. The UM Master Plan 2050 takes this vision even further, envisioning a future where the university is a global leader in sustainability, with a campus that is a model of environmental stewardship and social responsibility.

Contribution to Global Trends: Universiti Malaya's efforts in sustainable urban development are part of a broader global movement towards more sustainable, resilient, and inclusive cities. As urbanisation continues to accelerate around the world, the challenges associated with it - such as climate change, inequality, and resource depletion - are becoming increasingly urgent. In response, universities like UM are playing a crucial role in developing innovative solutions and strategies that address these challenges.

In 2023, UM participated in several international collaborations and networks focused on sustainable urban development. These partnerships have allowed UM to share its experiences and best practices with other institutions and learn from their successes and challenges. By engaging in these global networks, UM is contributing to the collective effort to achieve the SDGs by 2030, particularly SDG 11.

One of the key areas where UM is making a global impact is in the field of green building and sustainable architecture. Through its research and development initiatives, the university is advancing the knowledge and application of sustainable building practices, which are essential for reducing the environmental impact of urbanisation. These efforts are being recognised internationally, with UM's green building projects being featured in global sustainability forums and publications.

Conclusion and Future Directions: In 2023, Universiti Malaya made significant strides in advancing SDG 11 through its comprehensive approach to sustainable urban development. From expanding public access to cultural and historical sites to promoting sustainable housing and infrastructure, UM is demonstrating its commitment to creating a more inclusive, resilient, and sustainable urban environment.

Looking forward, UM will continue to build on these achievements by further integrating sustainability into its strategic plans and operations. The university's ongoing efforts to align with global trends and contribute to the SDGs will ensure that it remains at the forefront of sustainable urban development, both in Malaysia and globally. As UM continues to innovate and lead in this area, it will play a vital role in shaping the future of sustainable cities and communities, setting a benchmark for other institutions to follow.

This report serves as a testament to Universiti Malaya's dedication to SDG 11 and its broader mission of contributing to a more sustainable and equitable world. By fostering collaboration, innovation, and community engagement, UM is not only enhancing the quality of life for its students and staff but also making a lasting impact on the wider community and the world.