

HIGH IMPACT RESULT (HIR) **BAHAGIAN ILMU PENGETAHUAN INSTITUSI (BIP)** **TAHUN 2025**

SEKSYEN KOLEKSI KHAS & REPOSITORI

LAPORAN Q4 : OKTOBER – DISEMBER 2025

Strategic Thrusts(ST)	ST4: Transformative Life Experiences through Knowledge Empowerment and Trust
Strategic Priorities (SP)	SP 7: Enculturate data driven culture with high level of trust in technology
Strategic Objective(SO)	SO4 - Harnessing Potential Impact of Open Science Citizen

HIR 2025	Action Plan & Target Q1	Action Plan & Target Q2	Action Plan & Target Q3	Action Plan & Target Q4	Achievement 2025 (%)	Status (Pending / In Progress / Achieved)
Strengthen the governance of open science UTM OD In furtherance of the development of the National Digital Library Governance at UTM:- Open Science	a. Setting up UTM Open Science Task Force - Library and UTM. b. Benchmarking Open Science practices with other universities (local and international) Target : 25% Achievement : 25% a. The UTM Open Science Task Force, comprising the Library and UTM representatives, has been established with the approval of the Chief Librarian on 14 March 2025. b. A benchmarking study and a draft framework for Open Science practices have been submitted for review to the Chief Librarian on 14 March 2025. Compilation link	Develop Open Science UTM Guideline. Target: 30%. Achievement: 30% Justification : Please refer to slide 6.	Proposal of Open Science UTM Guideline to Mesy. J/Kuasa Governan dan Dasar Universiti. Target: 30%. Achievement: 15% Justification : Please refer to slide 5.	Amendment and preview final draft (achivement of 90% complete) Target: 15%. Achievement: 5% Justification : Please refer to slide 4.	80%	In progress



Strategic Thrusts(ST) ST4: Transformative Life Experiences through Knowledge Empowerment and Trust

Strategic Priorities (SP) SP 7: Enculturate data driven culture with high level of trust in technology

Strategic Objective(SO) SO4 - Harnessing Potential Impact of Open Science Citizen

HADAPAN



UNIVERSITI TEKNOLOGI MALAYSIA
GUIDELINES ON

OPEN SCIENCE (OS)
IN PUBLIC FUNDED RESEARCH

SEMAKAN DRAF GARIS PANDUAN SAINS TERBUKA UTM PERINGKAT JAWATANKUASA KERJA UTM

- ✓ Bengkel Bengkel Semakan Garis Panduan Sains Terbuka UTM Peringkat Jawatankuasa Kerja UTM Siri 1 - telah diadakan pada 17 Disember 2025.
- ✓ Pindaan penyediaan Garis Panduan kepada Prosedur telah dipersetujui bagi memastikan kawalan kepada terma yang dibangunkan untuk keperluan Sains Terbuka di UTM lebih mudah difahami, bersifat ringkas yang lengkap dengan peranan setiap pemegang taruh yang terlibat dengan prosedur ini.
- ✓ Perlanjutan pelaksanaan Bengkel Semakan Garis Panduan Sains Terbuka UTM Peringkat Jawatankuasa Kerja UTM Siri 2 dijangkakan akan diadakan pada Januari 2026.
 - i. Penetapan struktur dan format rasmi mengikut yang telah ditetapkan oleh Universiti Teknologi Malaysia dan dikemaskini kandungan dalam Bahasa Melayu.
 - ii. Penukaran Garis Panduan kepada Prosedur bagi meningkatkan kefahaman, dengan kandungan yang lebih ringkas serta penegasan yang jelas terhadap peranan pihak berkepentingan.
 - iii. Perbincangan lanjut bersama UTM Digital, Penerbit UTM Press dan Pejabat Penasihat Undang-Undang bagi menyelaraskan tanggungjawab PTJ/Fakulti di bawah Prosedur ini.
 - iv. Semakan proses penyerahan set data dalam sistem UTMik Repository – Research Data bagi memastikan penyerahan data hanya melalui sistem RADIS, sekali gus mengelakkan penduaan data.
 - Penyeragaman metadata antara sistem UTMik Repository dan RADIS, termasuk fail lampiran set data, serta perbincangan lanjut bersama UTM Digital berkaitan penambahbaikan sistem pada tahun 2026.
 - Pertukaran wakil UTM Digital kepada En. Azmi Kamis, Timbalan Ketua Pegawai Teknologi Maklumat.

BELAKANG



UTM Library

JUSTIFICATION – Q4

1. Reconsideration of the extension of the guideline approval period until the first quarter of 2026 for:
 - i. Presentation of the approval paper Universiti Teknologi Malaysia Procedures on Open Science (OS) in Public Funded Research at the Mesyuarat Jawatankuasa Pengurusan Kualiti Jabatan Perpustakaan.
 - ii. Presentation of the approval paper Universiti Teknologi Malaysia Guidelines on Open Science (OS) in Public Funded Research at the UTM Senate Meeting.
 - iii. Submission of the complete guideline document to the Bahagian Pengurusan Operasi for serial number application and circular dissemination by the Seksyen Governance.

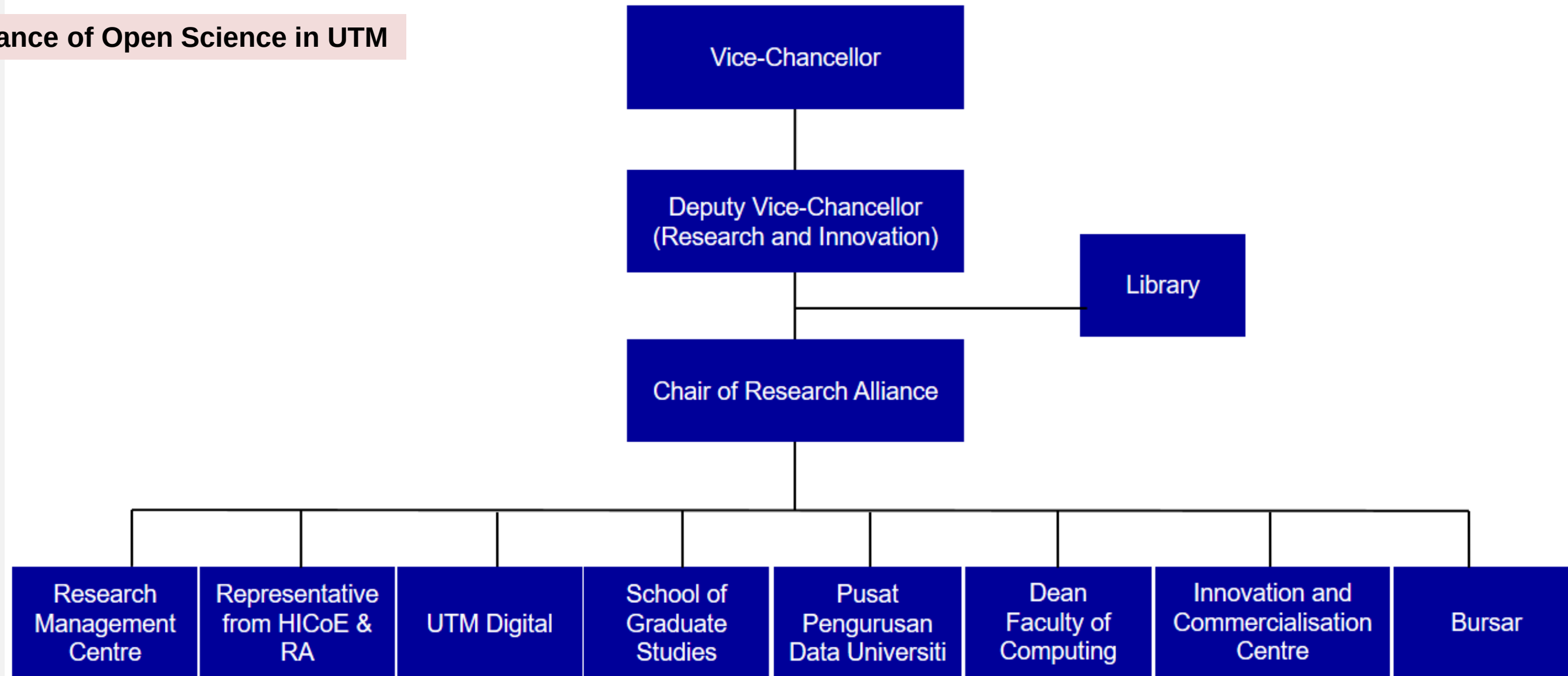
JUSTIFICATION – Q3

- a. Preparation of the complete draft by the Library Working Committee on Open Science Guidelines – Completed.
- b. Contents of Universiti Teknologi Malaysia Guidelines on Open Science (OS) in Public Funded Research:
 - Chapter 1: Introduction
 - Chapter 2: Open Access to Scholarly Publications and Research Data
 - Chapter 3: Infrastructure on Open Science in Universiti Teknologi Malaysia
 - Chapter 4: Governance of Open Science in Universiti Teknologi Malaysia
 - Chapter 5: Implementation of Open Science in Public Funded Research
- c. The proposed review and verification for approval by the UTM Open Science Guidelines Working Committee and the UTM Open Science Steering Committee could not be carried out as the members of the UTM Open Science Guidelines Working Committee were unable to convene due to their commitments and responsibilities at their respective Faculties/Departments. An alternative schedule for the UTM Open Science Guidelines Working Committee meeting has been arranged as follows, prior to submitting the final draft to the UTM Open Science Steering Committee for further action:
 - 29 October 2025 / Wednesday
 - 13 November 2025 / Thursday
 - 27 November 2025 / Thursday
- d. Reconsideration of the extension of the guideline approval period until the first quarter of 2026 for:
 - i. Presentation of the approval paper Universiti Teknologi Malaysia Guidelines on Open Science (OS) in Public Funded Research at the Mesyuarat Jawatankuasa Pengurusan Kualiti Jabatan Perpustakaan.
 - ii. Presentation of the approval paper Universiti Teknologi Malaysia Guidelines on Open Science (OS) in Public Funded Research at the UTM Senate Meeting.
 - iii. Submission of the complete guideline document to the Bahagian Pengurusan Operasi for serial number application and circular dissemination by the Seksyen Governance.

JUSTIFICATION - Q2

- a. A discussion with the Chief Librarian on 25 May 2025 finalized the appointment of committee members who will represent the following groups:
 - i. Universiti Teknologi Malaysia Steering Committee on Open Science
 - ii. Universiti Teknologi Malaysia Working Group on Guidelines
 - iii. Universiti - Teknologi Malaysia Library Working Group on GuidelinesRefer slide 5-7
- b. A discussion session with researchers from the Faculty of Computing was held on 13 May 2025 to gather input and provide guidance for the development of guideline content, specifically focusing on aspects related to research data. The outcomes of the session were as follows:
 - i. A new working group was established to assist UTM Library with the deposit of raw research data into a new repository system as part of a pilot project - University Research Raw Data Development Committee Members.
 - ii. A proposal was made to develop a Data Management Plan (DMP) template to serve as a reference for UTM researchers.
 - iii. A guide was suggested for citing datasets using the latest version of the APA Style.Refer slide 8
Refer URL:
 - [Data Management Plan \(Draft\)](#)
 - [Dataset citation APA Style 7th ed.](#)
- c. A complete draft of the guideline has been prepared and is now ready for review by the UTM Library Working Group on Guidelines Committee before being submitted to the UTM Working Group on Guidelines Committee for further consideration and endorsement.
Refer URL: [Draft UTM Open Science Guidelines](#)

LEVEL 1: Governance of Open Science in UTM



UNIVERSITI TEKNOLOGI MALAYSIA STEERING COMMITTEE ON OPEN SCIENCE

- Deputy Vice-Chancellor (Research and Innovation) - Chairperson
- Chair of Health & Wellness Research Alliance - Deputy Chairperson: Prof. Ir. Ts. Dr. Roshanida A. Rahman
- Director of Research Management Centre - Prof. Dr. Zulkurnain Abdul Malek
- Director of the Innovation and Commercialisation Centre - Assoc. Prof. Ts. Dr. Noor Azurati Ahmad @ Salleh
- Chair of Associate Research - Assoc. Prof. Dr. Mohd. Farid Muhammad Said
- Chair of School of Graduate Studies - Assoc. Prof. Dr. Noor Hazarina Hashim
- Director of Health & Wellness Research Alliance - Assoc. Prof. Dr. Noor Hazarina Hashim
- Director of University Data Management Centre - En. Mohd. Subha Salleh
- Director of Advanced Membrane Technology Research Centre (AMTEC) - Assoc. Prof. Ts. Dr. Juhana Jaafar
- Dean, Faculty of Computing - Prof. Ts. Dr. Wan Mohd Nasir Wan Kadir
- Director Department of Digital Services (UTMDigital) - En. Nik Kamal Izuddin Nik Ibrahim
- Legal Advisor - En. Kamarudin Md. Yusof
- Bursar - Tn. Hj. Abu Bakar Mohd. Salleh @ Ahmad
- Secretariat - Chief Librarian
- Secretariat - Deputy Chief Librarian (Institutional Knowledge)

LEVEL 2: Working Group Committee in UTM

UNIVERSITI TEKNOLOGI MALAYSIA WORKING GROUP ON GUIDELINES

1. Head, Department of Applied Computing and Artificial Intelligence, Faculty of Computing - Dr. Sharin Hazlin Huspi – Pengerusi baharu
 - *Deputy Dean (Research, Innovation & Development), Faculty of Computing - Chairperson: Prof Dr. Siti Zaiton Mohd. Hashim – telah bersara pada November 2025.*
2. Deputy Director of the Innovation and Commercialisation Centre - Dr. Ma Kalthum Ishak
3. Deputy Director of Research Management Center - Assoc. Prof. Ir. Ts. Dr. Zaki Yamani Zakaria
4. Representative from the Social Sciences field - Dr. Mohamed Ayyub Hassan
5. Representative from the Engineering field - Prof Ts. Dr. Mohd. Hafiz Dzarfan Othman
6. Representative from the Natural Sciences field - Prof. Dr. Mohd Shahir Shamsir Omar
7. Director of University Data Management Centre - En. Mohd. Subha Salleh (Performing the Function of Director)
8. Deputy Director, Division of Digital Strategy, Department of Digital Services (UTM Digital) - En. Jaffar Sidek Haron
9. Chief Librarian - Pn. Khairulbahiyah Yaakub
11. Deputy Chief Librarian (Planning & Development) - En. Md. Razib Karno
12. Secretariat Library - Cik Haslina Othman
13. Secretariat Library - Pn. Haslina Hussin
14. Secretariat Library - Pn. Norazila Safri
15. Secretariat Library - Mohamad Fahiezan Md. Zan

JAWATANKUASA KERJA PEMBANGUNAN GARIS PANDUAN SAINS TERBUKA UNIVERSITI TEKNOLOGI MALAYSIA

Pengerusi: Dr. Sharin Hazlin Huspi.

TOR:

1. Latar Belakang

Sains Terbuka menggalakkan ketelusan, kebolehcapaian, perkongsian dan kerjasama dalam penyelidikan. Selaras dengan inisiatif di peringkat kebangsaan dan antarabangsa, UTM komited untuk mewujudkan persekitaran penyelidikan yang menyokong amalan Sains Terbuka secara menyeluruh. Penubuhan jawatankuasa ini adalah penting bagi membangunkan garis panduan yang komprehensif sebagai kerangka pelaksanaan Sains Terbuka di peringkat universiti.

2. Objektif

Untuk membangunkan garis panduan universiti yang menyokong dan menggalakkan penerapan prinsip Sains Terbuka dalam kalangan penyelidik UTM, selaras dengan dasar kebangsaan dan amalan terbaik di peringkat global.

3. Skop Kerja

Jawatankuasa ini bertanggungjawab untuk:

- i. Mengenal pasti komponen utama Sains Terbuka yang relevan untuk pelaksanaan di UTM merangkumi akses terbuka, data terbuka, metodologi terbuka, sains rakyat dan lain-lain elemen yang berkaitan.
- ii. Mencadangkan mekanisme pematuhan, pemantauan, keselamatan dan penambahbaikan berterusan yang mampan.
- iii. Mencadangkan strategi pelaksanaan, termasuk penyediaan latihan, program kesedaran, dan sokongan institusi bagi memastikan kefahaman dan penglibatan warga penyelidik UTM.
- iv. Berinteraksi dengan pihak berkepentingan dari fakulti, pusat penyelidikan dan perpustakaan bagi mendapatkan maklum balas dalam membangunkan garis panduan.
- v. Menyediakan draf Garis Panduan Sains Terbuka UTM dengan mengadaptasi dasar dan kerangka kerja Sains Terbuka yang sedia ada di peringkat kebangsaan dan antarabangsa untuk disesuaikan dan diterapkan dalam konteks Universiti Teknologi Malaysia.

LEVEL 3: Library Working Group Committee

PERPUSTAKAAN UNIVERSITI TEKNOLOGI MALAYSIA WORKING GROUP ON GUIDELINES

1. Chief Librarian - Pn. Khairulbahiyah Yaakub
2. Deputy Chief Librarian (Planning & Development) - En. Md Razib Karno
3. Deputy Chief Librarian (Services) - Pn. Khairulbahiyah Yaakob
4. Deputy Chief Librarian (Research) - En. Mohd. Fuad Mohamed Yusof
5. Deputy Chief Librarian (Institutional Knowledge) - Cik Haslina Othman
6. Head of Automation Section - En. Yusrul Hisyam Mohd. Yusof
7. Head of Special Collection & Repository Section - Pn. Haslina Hussin
8. Senior Librarian, Repository & Digital Document Unit - Pn. Norazila Safri
9. Senior Librarian, Research Publication Unit - Pn. Norsyuhada Shafie
10. Senior Librarian, Corporate and Business Strategic Unit - Pn. Haslinda Sabari
11. Librarian, Promotion Unit - Pn. Nor Shaliza Mohd Basarudin
12. Librarian, Library Management System Unit - Cik Aida Nadhirah Rodzuan
13. Senior IT Officer - En. Sharul Ismail

JAWATANKUASA UTM LIBRARY WORKING GROUP ON GUIDELINES

Pengerusi: Ketua Pustakawan

TOR:

1. Latar Belakang

Perpustakaan UTM sentiasa menyokong aspirasi universiti dalam membangunkan persekitaran penyelidikan dan pembelajaran yang mampan. Bagi memperkukuh dasar dan amalan terbaik dalam perkhidmatan serta pengurusan data, satu jawatankuasa kumpulan kerja dalaman ditubuhkan untuk membangunkan garis panduan yang relevan dan strategik.

2. Objektif

Untuk merangka dan membangunkan garis panduan Sains Terbuka UTM berkaitan akses terbuka, data terbuka, dan amalan penyelidikan terbuka yang selaras dengan dasar universiti.

3. Skop Kerja

Jawatankuasa ini bertanggungjawab untuk:

- i. Menyemak polisi dan amalan sedia ada berkaitan garis panduan Sains Terbuka.
- ii. Menjalankan semakan literatur dan rujukan kepada amalan terbaik di institusi lain.
- iii. Merangka struktur, kandungan dan susun atur garis panduan.
- iv. Mengadakan sesi perbincangan dan libat urus dalaman (in-house engagement).
- v. Menyediakan draf akhir garis panduan untuk semakan dan kelulusan oleh Jawatankuasa Kerja Pembangunan Garis Panduan Sains Terbuka Universiti Teknologi Malaysia.
- vi. Mencadangkan strategi pelaksanaan dan promosi kepada warga penyelidik UTM.



UTM
UNIVERSITI TEKNOLOGI MALAYSIA

Thank you!

DISEDIAKAN OLEH:

Haslina Hussin

Ketua | Seksyen Koleksi Khas & Repositori

DISEMAK OLEH:

Haslina Othman

Ketua | Bahagian Ilmu Pengetahuan Institusi