

SESI TAKLIMAT PENGISIAN METADATA DAN PENDEPOSITAN FAIL LAMPIRAN PENYELIDIKAN



UTM
UNIVERSITI TEKNOLOGI MALAYSIA



- 17 NOVEMBER 2022 | KHAMIS | 11.00 AM
- BILIK MESYUARAT 2
PERPUSTAKAAN RAJA ZARITH SOFIAH
UNIVERSITI TEKNOLOGI MALAYSIA
JOHOR BAHRU
JOHOR

AGENDA

- Taklimat ringkas mengenai Open Science Initiatives
- Hands-on UTM Library – RDM System
- Sesi perbincangan
- Hal-hal lain

OPEN SCIENCE INITIATIVES

What is Open Science?



Open Science means the data **can** be made shared and available to everyone to access, use and share with certain conditions, **depending on the types of data**.

It demands science, which includes **pure science and social science**, to be done with integrity that assures accuracy of research data, in an open, reliable and reproducible fashion.

For Open Science, data sharing is guided by **the FAIR principle**.

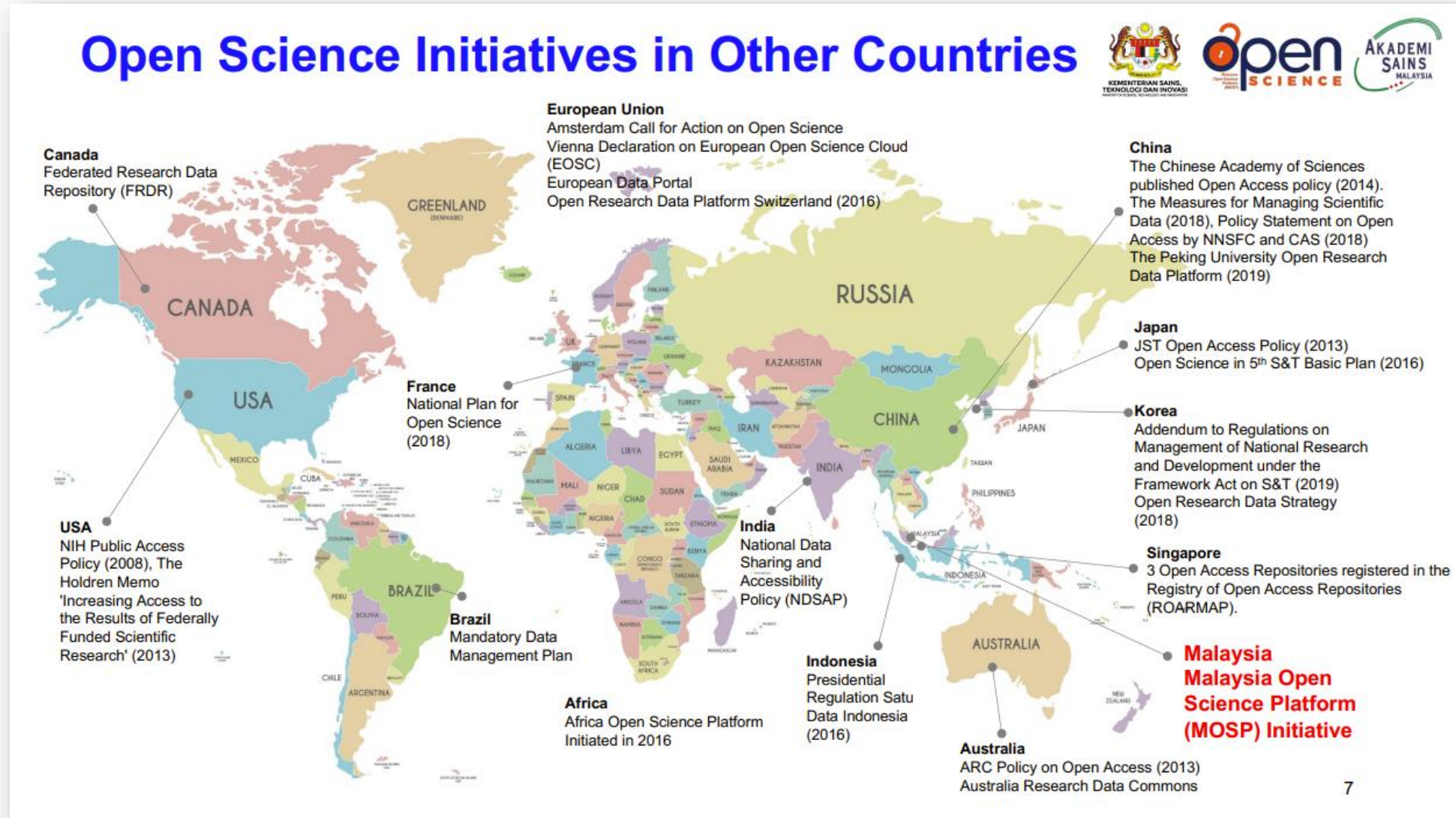
FAIR stands for Findable, Accessible, Interoperable and Reusable. Specifically, FAIR is described as:

- a. **Findable** – Data and metadata are easily to find by both humans and computers. Usually this task is enabled by machine-readable persistent identifiers and metadata
- b. **Accessible** – Data can be retrieved using the outlined protocols
- c. **Interoperable** – System can be used with other tools
- d. **Reusable** - Data is well-defined and can be used for different purposes and in different settings

2

UCAPAN ALUAN TIMBALAN KETUA PUSTAKAWAN – BAHAGIAN ILMU PENGETAHUAN INSTITUSI

OPEN SCIENCE INITIATIVES



OPEN SCIENCE INITIATIVES

MEMBERS OF THE NATIONAL ALLIANCE ON MALAYSIA OPEN SCIENCE PLATFORM (MOSP)

- Malaysian Administrative Modernization and Management Planning Unit (MAMPU)
- Ministry of Energy, Science, Technology, Environment and Climate Change – Malaysia Science and Technology Information Center (MASTIC)
- Ministry of Education (MOE)
- **Malaysia Research University Network (MRUN)**
- Malaysian Research & Education Network (MYREN)
- Academy of Sciences Malaysia (ASM)
- University of Malaya (UM)
- International Science Council Regional Office for Asia and the Pacific (ISC ROAP)

PENGLIBATAN PERPUSTAKAAN UTM DALAM MALAYSIA OPEN SCIENCE PLATFORM (MOSP)



MEMBER
Madam Nor Asikin
Mohamad

Chief Librarian
Raja Zarith Sofiah Library
Universiti Teknologi Malaysia
(UTM)

Malaysia Open Science Alliance

*Chaired by : Professor ChM Dr Noorsaadah Abd Rahman FASc
Professor, Institute of Advanced Study, University of Malaya*

Working Group on Infrastructure

*Headed by : Dr. Liew Chee Sun
Head of Data Intensive Computing Centre, University of Malaya*



MEMBER
Mr Md Razib Karno

Head, Automation Division, Universiti
Teknologi Malaysia

RDM - Introduction

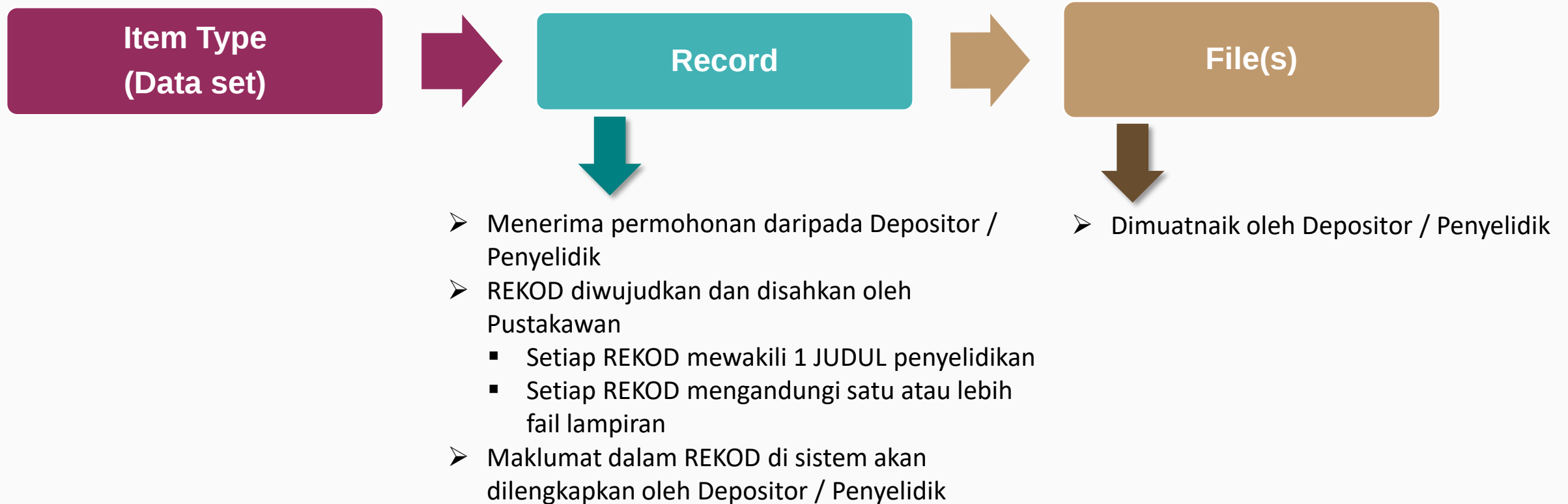
- **Research data management (or RDM)** is a term that describes the **organization, storage, preservation, and sharing of data collected and used in a research project**.
- It involves the everyday management of research data during the lifetime of a research project (for example, using consistent file naming conventions).
- It also involves decisions about how data will be preserved and shared after the project is completed (for example, depositing the data in a repository for long-term archiving and access).
- There are a host of reasons why research data management is important :
 - Data, like journal articles and books, is a scholarly product.
 - Data (especially digital data) is fragile and easily lost.
 - There are growing research data requirements imposed by funders and publishers.
 - Research data management saves time and resources in the long run.
 - Good management helps to prevent errors and increases the quality of your analyses.
 - Well-managed and accessible data allows others to validate and replicate findings.
 - Research data management facilitates sharing of research data and, when shared, data can lead to valuable discoveries by others outside of the original research team.

UTM Library - RDM

- Usaha pembangunan Sistem UTM Library - RDM (Research Data Management) adalah selaras dengan inisiatif Open Science UTM.
 - UTM merupakan salah satu daripada 5 UA yang terlibat dalam ***Pilot Initiative : Linking Platform for sharing of Research Data – Malaysian Open Science Alliance : Malaysia Research University Network.***
- Dibangunkan pada Februari 2020 oleh Perpustakaan UTM dengan kerjasama UTMDigital.
- Sistem ini menggunakan platform eprints → pangkalan data untuk mendeposit metadata dan fail pelbagai format sebagai sokongan kepada maklumat penyelidikan yang dikongsikan melalui sistem ini.
- Jun 2020 – Sistem UTM Library – RDM ini berjaya disediakan sebagai satu platform di peringkat pembangunan dan percubaan.
 - untuk mengkaji ‘keserasian’ sistem ini dengan keperluan struktur RDM itu sendiri.

UTM Library - RDM

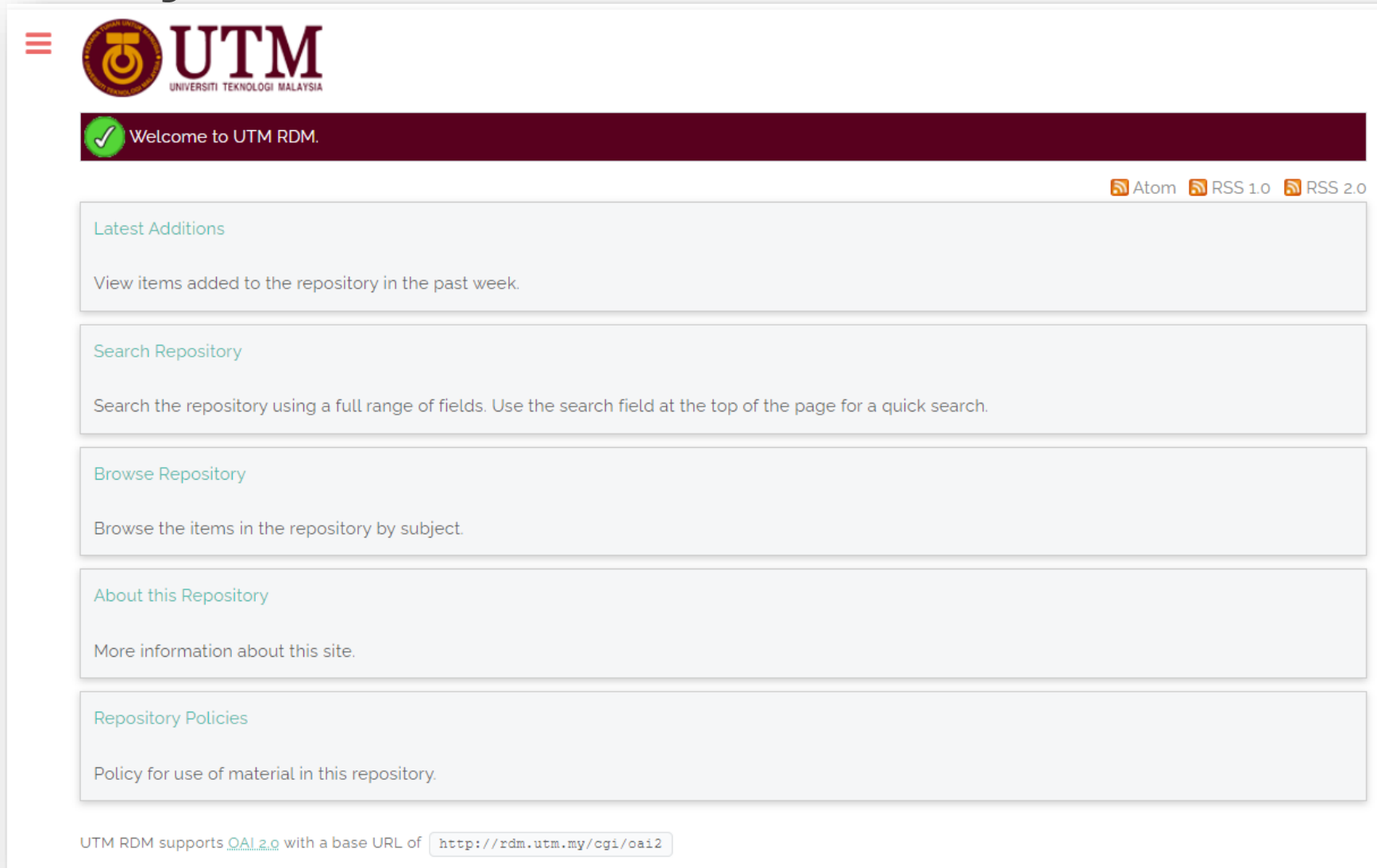
- Rangka umum proses Sistem UTM Library - RDM untuk memasukkan metadata dan mendeposit fail.



UTM Library - RDM

- Jenis fail yang boleh dimuatnaik ke sistem RDM :
 - *Text*
 - *Spreadsheet*
 - *Slideshow*
 - *Image*
 - *Video*
 - *Audio*
 - *Archive*
 - *Other*
- Format fail yang telah diuji dan dimuatnaik ke sistem RDM : .mphbin, .qpf, .qsf, .qws, .inc, .bdf, .bsf, .vwf, .ino, .sav, .wmv, .mp4, .html, .png, .avi, .pdf, .jpg, .ppt, .pptx, .doc, .xlsx, .xml

UTM Library - RDM



The screenshot displays the UTM RDM (Research Data Management) website. At the top left is the UTM logo with a hamburger menu icon. A dark red banner below the logo contains a green checkmark icon and the text "Welcome to UTM RDM.". To the right of the banner are three RSS feed icons labeled "Atom", "RSS 1.0", and "RSS 2.0". The main content area consists of five light blue boxes, each with a title and a description:

- Latest Additions**: View items added to the repository in the past week.
- Search Repository**: Search the repository using a full range of fields. Use the search field at the top of the page for a quick search.
- Browse Repository**: Browse the items in the repository by subject.
- About this Repository**: More information about this site.
- Repository Policies**: Policy for use of material in this repository.

At the bottom, a text line states: "UTM RDM supports [OAI 2.0](#) with a base URL of `http://rdm.utm.my/cgi/oai2`".

UTM Library - RDM

UTM Library - RDM

<http://rdm.utm.my>





THANK YOU



In the Name of God for Mankind

www.utm.my

