Management and Utilization of Open Education Resources (OER): Malaysia Academic Library Settings
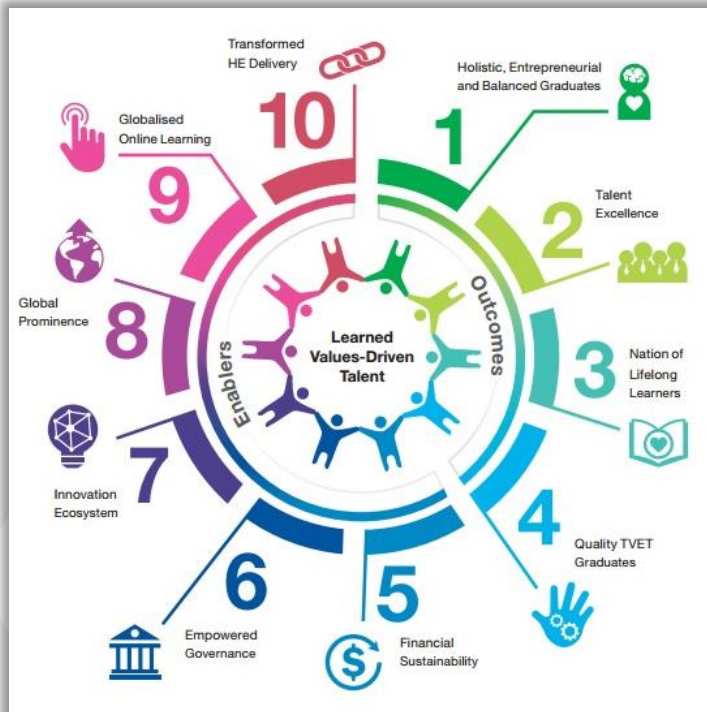
Malaysia Country Report 2019

Pelan Pembangunan Pendidikan Malaysia 2015-2025 (Pendidikan Tinggi)
KEMENTERIAN PENDIDIKAN MALAYSIA

The sources of education created by educators and researchers should be made available for use and reuse by everybody.

This is in line with the effort to develop a "Nation of Lifelong Learners" which is the 3rd shift of the 10 shifts as indicated in the *Malaysia Education Blueprint 2015-2025*.
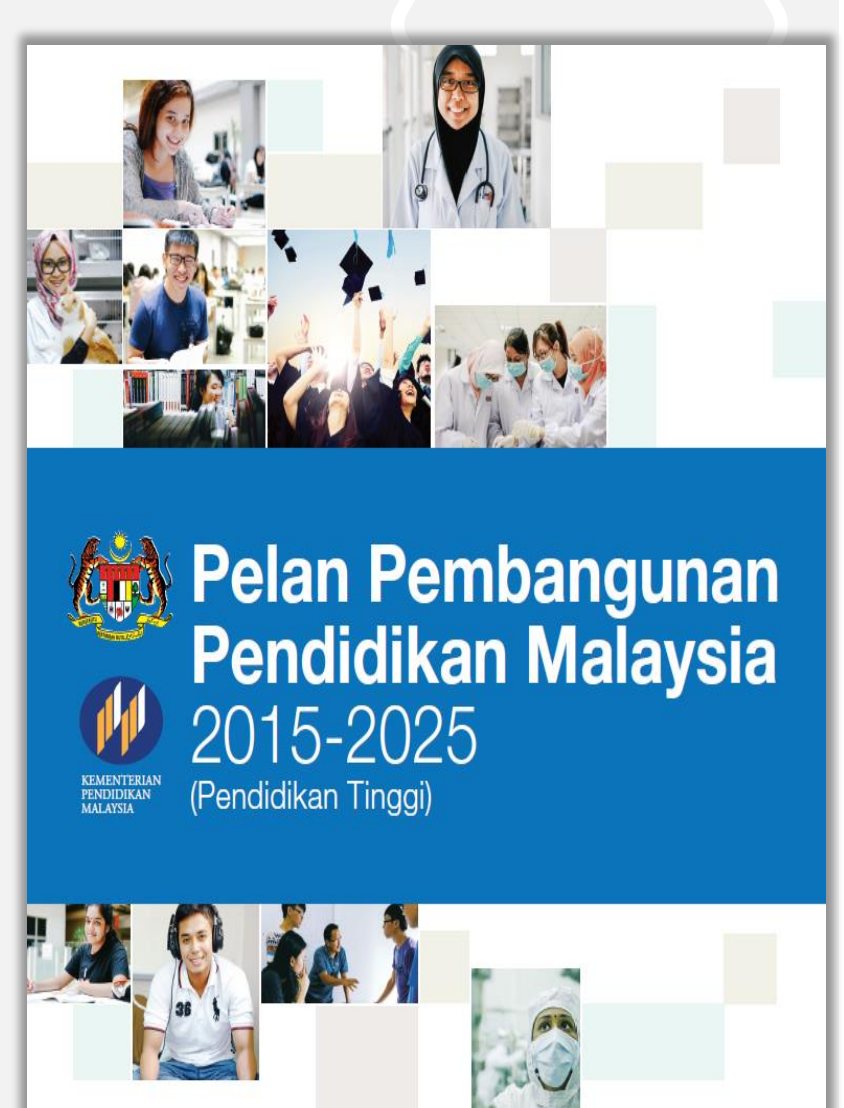
Definition

Open Educational Resources

"Teaching, learning and research materials in any medium – digital or otherwise – that reside in the public domain or have been released under an open license that permits no-cost access, use, adaptation and redistribution by others with no or limited restrictions"

UNESCO

"Lifelong learning (LLL) enables Malaysians to meet the changing skill needs of a high-income economy and maximizes the potential of individuals who are currently outside the workforce through reskilling and upskilling opportunities. It also enables the development of personal interests and talents for a more fulfilled life. Malaysia needs to move from a world where education is seen as something that happens only during one's youth, to a world where Malaysians of all ages constantly seek out learning opportunities to enrich themselves."

Pelan Pembangunan Pendidikan Malaysia 2015-2025 (Pendidikan Tinggi)

KEMENTERIAN PENDIDIKAN MALAYSIA

Open Educational Resources

"Through OER, students and individuals are able to access the reading materials for free. This can encourage them to implement "LLL" irrespective of their age and standard of living. This is also in line with Article 26 of the United Nations Human Rights which stated that "Everyone has the right to education. Education shall be free, at least in the elementary and fundamental stages. Elementary education shall be compulsory."

Academic Libraries

Came up with strategies that are aligned to the blueprint

Include integrating Open Educational Resources into library collections for the use of University/College communities

Brief Profile

Brief Profile

	UNIVERSITY	STUDENT POPULATION	ACADEMICIAN	FACULTY	PROGRAM
UNIVERSITY OF MALAYA	UNIVERSITI MALAYA	14,749 (UG) 9,714 (PG)	2,244	24	200
USM UNIVERSITI SAINS MALAYSIA	UNIVERSITI SAINS MALAYSIA	21,333 (UG) 10,694 (PG)	2,108	42	532
UNIVERSITI KEBANGSAAN MALAYSIA The National University of Malaysia	UNIVERSITI KEBANGSAAN MALAYSIA	16,835 (UG) 12,636 (PG)	2,038	27	541
UUM Universiti Utara Malaysia	UNIVERSITI UTARA MALAYSIA	25,676 (UG) 5,057 (PG)	1,225	21	243
UPM UNIVERSITI PUTRA MALAYSIA BERILMU BERBAKTI	UNIVERSITI PUTRA MALAYSIA	18,086 (UG) 11,801 (PG)	1,623	16	149

Learning/Teaching Methods

Learning/Teaching Methods

Most universities incorporate some approaches/methods in teaching and learning program called blended learning.

Blended learning is a teaching and learning approach that demonstrates blend of different methods, technologies, and resources to improve student learning. Some examples of blended learning are flipped classroom, online interaction followed by face-to-face teaching, online learning supplemented by face-to-face practical, etc.   *- UNESCO*
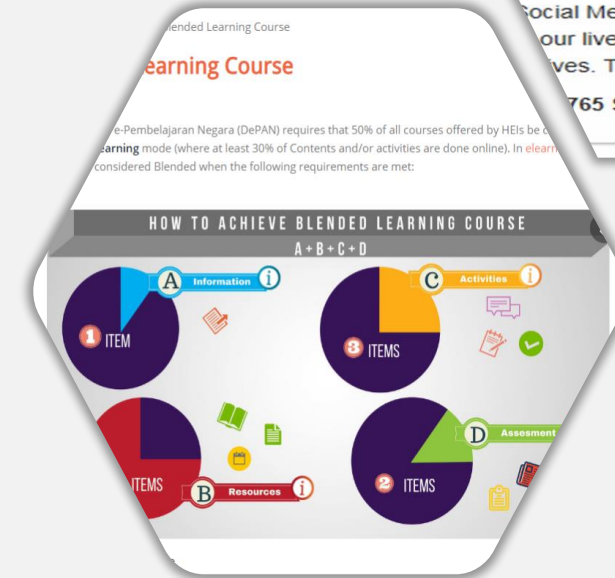
Learning/Teaching Methods

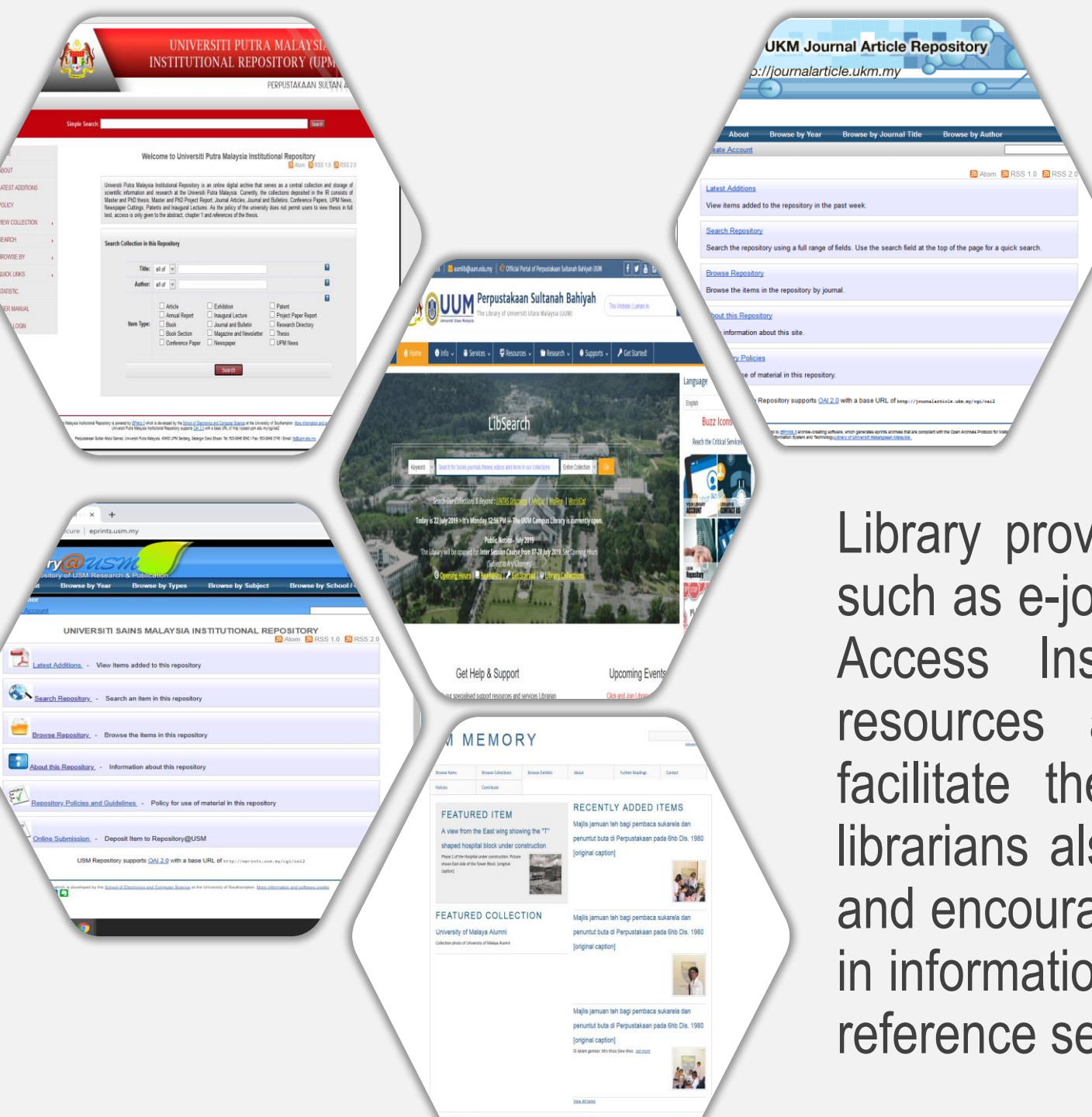| UNIVERSITY	LEARNING & TEACHING
UNIVERSITI MALAYA	Open-source Learning Management System (LMS) , Moodle, known as SPeCTRUM, MOOC (Massive Open Online Courses and blended learning, faculty-based mentoring relationship, Problem-Based Learning
UNIVERSITI SAINS MALAYSIA	Blended Learning, Online Learning, Action Learning, Experiential Learning, Problem-Based Learning, E-Learning, Student Centered Learning, Conventional
UNIVERSITI KEBANGSAAN MALAYSIA	Open Resource Initiatives (ORI@UKM), MOOC (Massive Open Online Courses) and Blended Learning
UNIVERSITI UTARA MALAYSIA	***Course Delivery Method:-*** Traditional Lecture, Tutorial, Practical, Active Learning, Collaborative Learning, Inquiry Based Learning, Cooperative Learning, Problem Based Learning, Peer Led Team Learning, Inquiry Guided Learning, Just In Time Learning, Small Group Learning, Project Based Learning, Question Directed Instruction, Case Study, Web Tool (F2F),Online Learning, Assessment, Online Assessment
UNIVERSITI PUTRA MALAYSIA	Blended Learning, E-Learning, PutraMOOC – Open Learning, Putra Open CourseWare, Problem Based Learning

Role of The Library

Libraries also play an important role in supporting OER at their respective universities.

Library provide access to open access resources such as e-journals, e-books and e-theses via Open Access Institutional Repository. Links to the resources are provided via Library portal to facilitate the access. To encourage the usage, librarians also play an important role in promoting and encouraging the use of open access resources in information literacy classes, social media and via reference services.

Role of The Library

|	ROLE OF THE LIBRARY
UNIVERSITI MALAYA	Open Access Journals- UM Refereed Academic Journal (eJournal@UM), Open Access Repositories (UM Research Repository, Students Repository, Common Repository, UM Memory, MyManuskrip,UM in the News, Art Gallery), open access resources through library portal, Online Course Reserves, e-Learning Portal
UNIVERSITI SAINS MALAYSIA	Online Course Reserves, Open Education Resources (Open Textbooks, Open Courses, Open Access Journals, etc.), Open Source Softwares
UNIVERSITI KEBANGSAAN MALAYSIA	Promoting and encouraging usage of OER in information literacy classes, social media, reference services, providing open access resources through library portal
UNIVERSITI UTARA MALAYSIA	Open Learning (MOOC), UUM eJournals, Online Learning (open resources shared by lecturer), Public Accessible Library
UNIVERSITI PUTRA MALAYSIA	Online Course Reserves, Open Access Journals, Open Source Softwares – KOHA, UPM IR, AGRIS, MyAGRIC, eGallery Memory@Serdang, e-Learning Portal
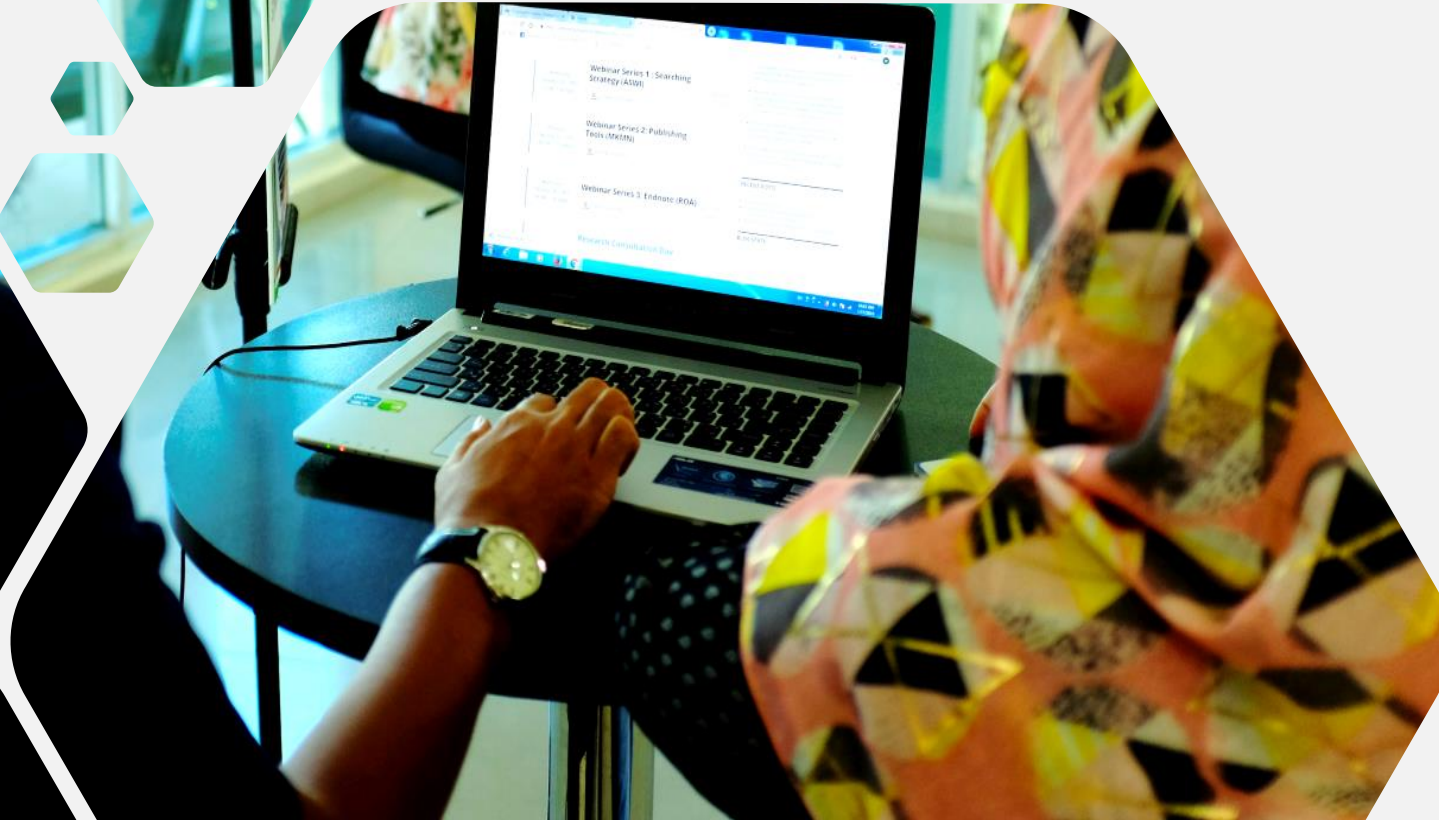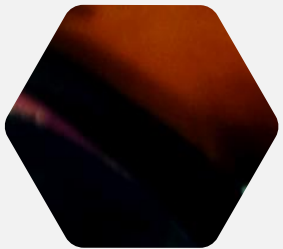
Initiatives, Plans, Experiences, and Innovations

To cater the information needs of university community, there are a lot of initiatives, plans, experiences and innovations has been done by the universities, such as:-

- Promote more self archiving activities to its researchers to accelerate the institution's and researchers' visibilities.

- Provide more alternative open source tools to support teaching, learning and research activities.

- Introduce and create awareness among communities by providing free workshops, collaboration with schools/organizations, databases providers and even software suppliers.
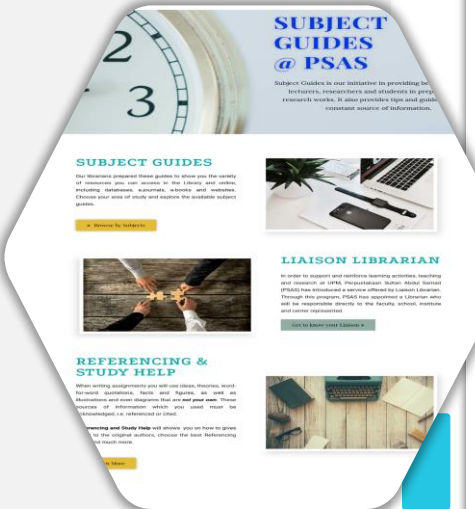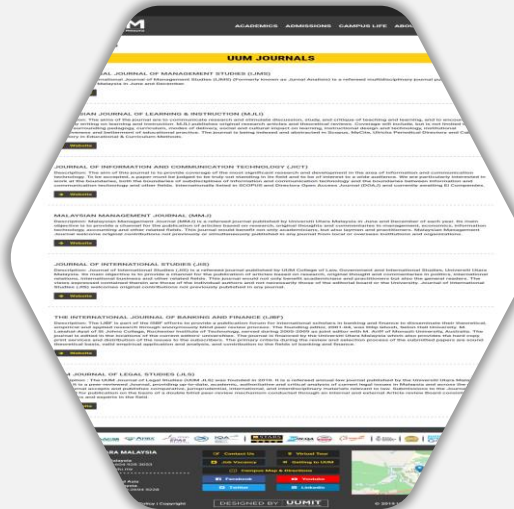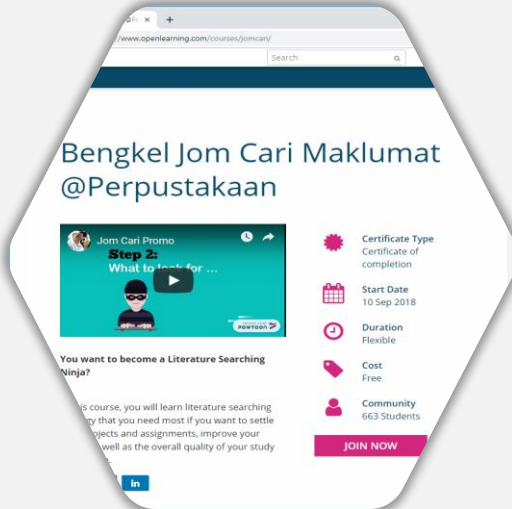
Initiatives, Plans, Experiences, and Innovations

	INITIATIVES, PLANS, EXPERIENCES, AND INNOVATIONS
UNIVERSITI MALAYA	• Malaysiana Hub, • self archiving by researchers, • online research guides
UNIVERSITI SAINS MALAYSIA	• Information Literacy workshops, • Information Literacy MOOC, • Online User Education, • Webinar, • Research Support Tools
UNIVERSITI KEBANGSAAN MALAYSIA	• Introduce Online User Education (Online Tutorial), • Provide list of open access e-journals, e-books, e-thesis in library portal, • Developed UKM journal repository using Open Source Software
UNIVERSITI UTARA MALAYSIA	• Information Literacy and User Education Workshops, • Research Support Tools. • Compile list of free open access e-journals, e-books, e-thesis in library website. • Develop and maintain MALRep & MALCat for public access.
UNIVERSITI PUTRA MALAYSIA	**In-House (Developed by librarian)** • Online User Education • Research Information Hub • Subject Guides • AGRI@UPM

Opportunities and Challenges

Opportunities and Challenges

	OPPORTUNITIES	CHALLENGES
UNIVERSITI MALAYA	• Collaboration • Networking	• Budget cuts, • Need to retrain staff, • Infrastructure & upgrading of ICT facilities
UNIVERSITI SAINS MALAYSIA	• Skill Upgrade for Librarians and Support Staffs • Upgrade of Library Infrastructure (Info Commons, Learning Space, ICT facility etc.)	• IT facility (Maintaining current equipment), • Infrastructure (DIY) • Infostructure (Open Source)
UNIVERSITI KEBANGSAAN MALAYSIA	• More free accessible e-resources can be offered to users • librarians and support staffs gain experience with changing technologies	• Uncertainty in ongoing maintenance of OER • Determination of the resources quality • Sustainability of resources • Technical support
UNIVERSITI UTARA MALAYSIA	• Skill Upgrade for Librarians and Support Staffs • Upgrade of Library Infostructure to accommodate open learning object (OER).	• Need to increase 'Knowledge Sharing Culture' among community • Encourage submission of learning object to OER system.
UNIVERSITI PUTRA MALAYSIA	• Upgrade skills and knowledge • Upgrade Library Facilities and Services	• Copyright and ownership issues • Budget Constraint • Maintain the quality of the resources

Conclusions

Each universities in Malaysia gives full commitment and supporting the initiatives of Open Educational Resources. As evidence, a lot of plans and initiatives have been implemented at their universities such as, open access Institutional Repository, developed Massive Open Online Course (MOOC) portal, using e-learning platform and many more.

A workshop for the development of a policy for inclusive Open Educational Resources under the aegis of the United Nations Educational Scientific and Cultural Organization (UNESCO) also has been launched on 13 – 14 July 2019 at Kota Kinabalu, Sabah. (Source)

UNESCO WORKSHOP
NATIONAL POLICY ON INCLUSIVE OPEN EDUCATIONAL RESOURCES
13-14 JULY 2019 | KUALA LUMPUR, MALAYSIA

Thank You