



KURSUS PENGURUSAN SISTEM REPOSITORI PERPUSTAKAAN

MAKMAL PENCARIAN MAKLUMAT
PERPUSTAKAAN RAJA ZARITH SOFIAH
UNIVERSITI TEKNOLOGI MALAYSIA
JOHOR BAHRU, JOHOR
8 – 9 OGOS 2023

FASILITATOR : HASLINA HUSSIN
PUSTAKAWAN KANAN | UNIT REPOSITORI & DOKUMEN DIGITAL



TENTATIF

8 – 9 OGOS 2023

9 OGOS 2023 | SELASA

8.30 – 8.45 AM

PENDAFTARAN

8.45 – 10.00 AM

UTM INSTITUTIONAL REPOSITORY (UTM-IR)

10.00 – 10.30 AM

MINUM PAGI

10.30 AM – 1.00 PM

HANDS-ON & KUIZ

1.00 – 2.00 PM

REHAT

2.00 – 4.00 PM

UTM RESEARCH DATA MANAGEMENT (UTM-RDM)

4.00 – 4.30 PM

MINUM PETANG & BERSURAI



BAB 3

UTM INSTITUTIONAL REPOSITORY (UTM-IR)

UTM INSTITUTIONAL REPOSITORY (UTM-IR)



- PENGENALAN
- KOLEKSI & POLISI
- PENCAPAIAN
- PROSES KERJA
- AKSES

UTM-IR

UTM INSTITUTIONAL REPOSITORY



PENDEPOSIT DARI PTJ/FAKULTI



**PENULIS / AHLI AKADEMIK /
PENYELIDIK UTM**

UTM-IR

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PENGENALAN

- Pusat sehati dalam mengumpul, memelihara dan mematuhi konsep akses untuk koleksi bahan-bahan ilmiah hasil penyelidikan ilmuan UTM.
- Universiti Teknologi Malaysia (**UTM**) merupakan **universiti pertama** di Malaysia yang **mempelopori inisiatif akses terbuka** (Open Access Initiative – OAI).
- **Koleksi terpilih Arkib UTM** versi digital.
- Koleksi digital yang mengandungi teks penuh (fulltext) / metadata sahaja.



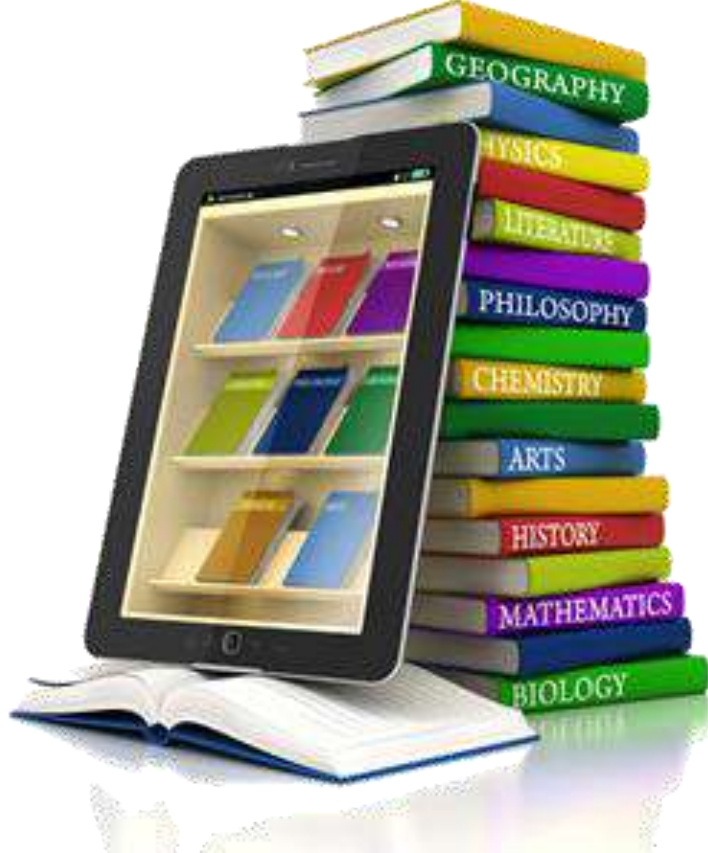
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- Setiap judul rekod yang mengandungi maklumat **metadata** + **fail lampiran** (teks penuh) dihadkan kepada sumber yang **berstatus akses terbuka sahaja**.
- **Akses** kepada rekod bahan di dalam sistem adalah **terbuka tanpa had pengguna**.
- **Sumber maklumat metadata** dan **fail teks penuh** boleh dikesan melalui internet, serta boleh dimuatnaik ke sistem oleh staf URD berdasarkan status akses terbuka bahan berkenaan.



KOLEKSI BAHAN UTM-IR

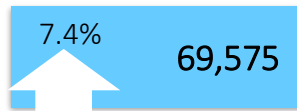


- Tesis UTM (Master & PhD)
- Artikel jurnal
- Kertas seminar / prosiding
- Bab dalam buku
- Buku
- Laporan penyelidikan
- Monograf

PINDAAN TATACARA PENDEPOSITAN BAHAN TESIS

- i. Mukasurat judul (Title page);
- ii. Mukasurat kandungan (Table of contents) – termasuk Senarai Jadual (List of tables), Senarai Rajah (List of figures) dan Senarai Singkatan (List of Abbreviations);
- iii. Abstrak (Abstract);
- iv. Mukasurat Dedikasi (Dedication page);
- v. Mukasurat Pengesahan (Acknowledgement page);
- vi. Bab 1 (Chapter 1);
- vii. Senarai rujukan / Bibliografi (References / Bibliography);
- viii. Senarai penerbitan (List of publications) – jika ada.

PENCAPAIAN 2022



KUMULATIF PENDEPOSITAN BAGI TEMPOH 5 TAHUN TERKINI

Jumlah keseluruhan rekod bahan yang dideposit oleh staf PUTM antara 2018-2022.



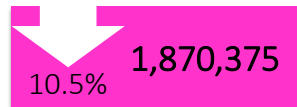
PENDEPOSITAN BAGI TAHUN SEMASA

Jumlah mengikut tahun rekod bahan yang dideposit oleh staf URD mulai 2018-2022.



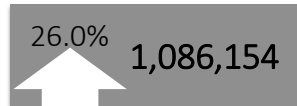
KUMULATIF PENDEPOSITAN BAHAN UTM-IR

Jumlah kumulatif pendepositan bahan sehingga 2022.



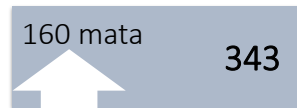
DOWNLOAD

Jumlah keseluruhan *download* sepanjang tahun 2022.



PAGEVIEWS

Jumlah keseluruhan *pageviews* sepanjang tahun 2022.

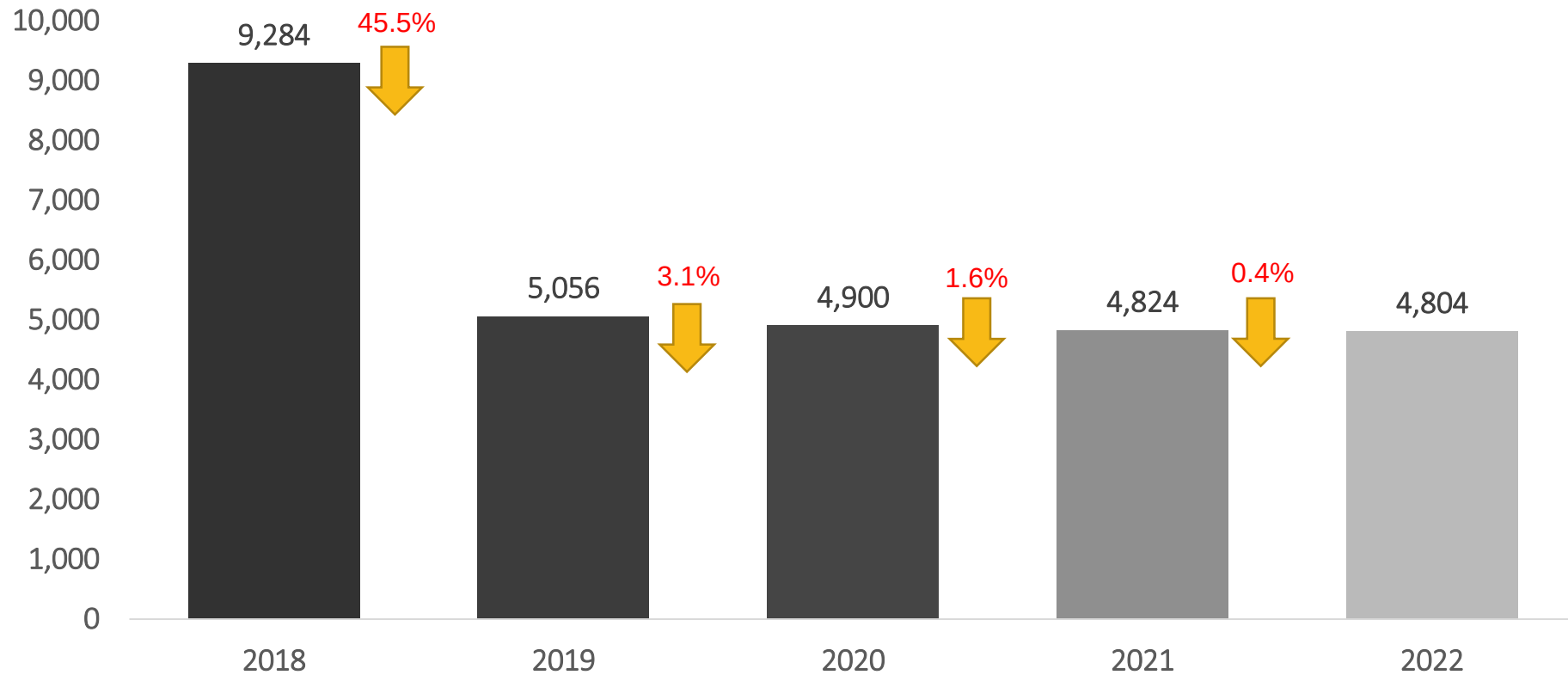


RANKING WEB OF REPOSITORIES

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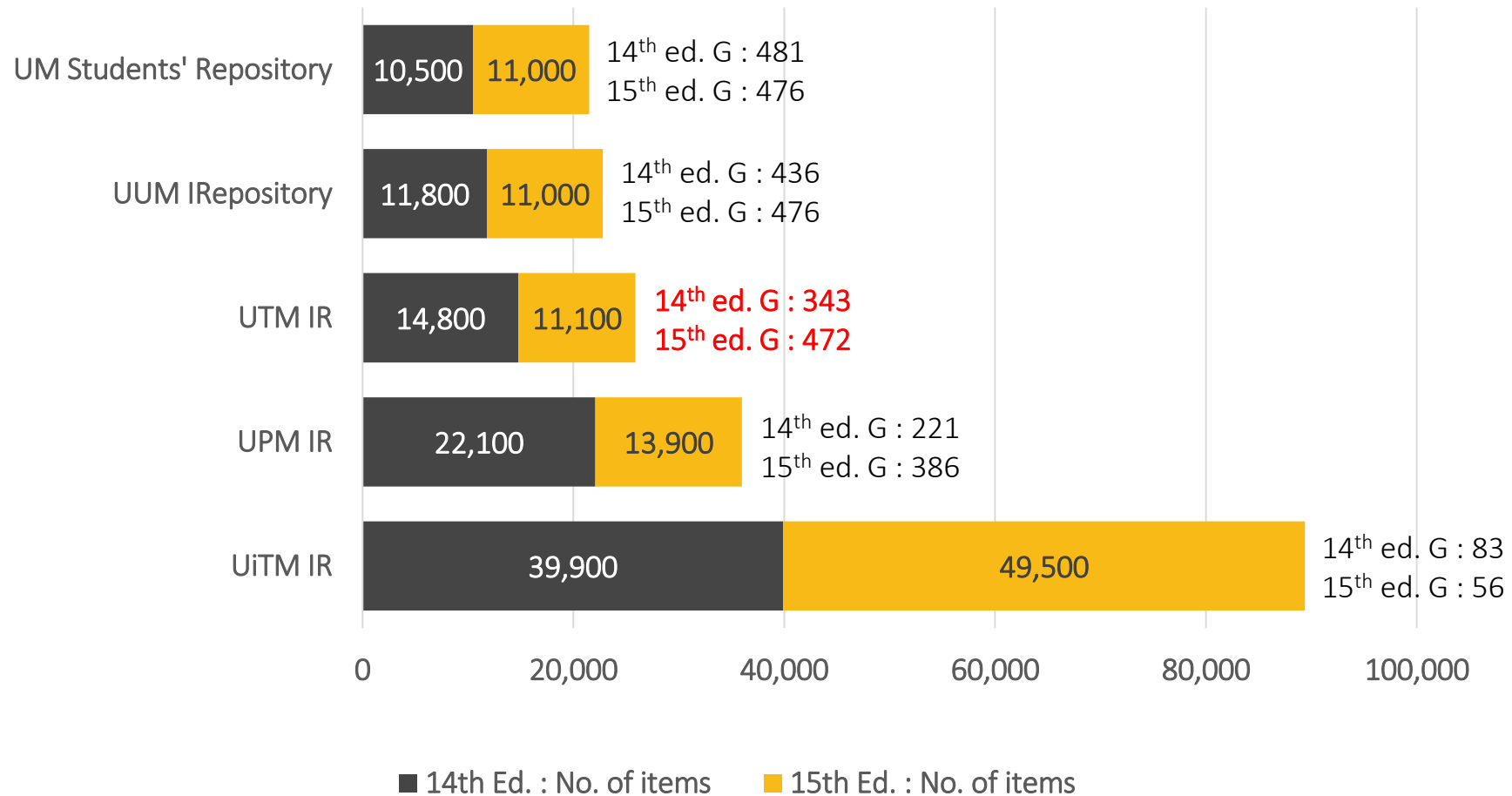
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Jumlah Kumulatif Pendepositan Bahan UTM-IR Bagi Tempoh 5 Tahun

UTM-IR

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Jumlah Rekod dan Kedudukan Peringkat Global serta Kedudukan 5 Terbaik Peringkat Kebangsaan

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JUMLAH KUMULATIF PENDEPOSITAN BAHAN UTM-IR MENGIKUT JENIS BAHAN

ITEM TYPE	JUMLAH	PERATUS
THESIS	179,760	77.9%
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DATASET	1	0.0004%
TEACHING RESOURCE	671	0.3%
OTHER	15	0.006%
JUMLAH KESELURUHAN	230,790	

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PROSES KERJA

TINDAKAN : PEMBANTU PUSTAKAWAN / PEMBANTU PUSTAKAWAN KANAN

PENERIMAAN / PENGESANAN SUMBER

- Menerima bahan berkaitan UTM daripada Unit Pembangunan Koleksi Khas.
- Mengesan sumber bahan dari media sosial / portal Fakulti.
- Penjanaan senarai bahan dari sistem RADIS.

SEMAKAN JUDUL & SUNTINGAN FAIL LAMPIRAN

- Menyemak senarai agihan untuk memastikan hanya JUDUL BAHARU sahaja yang akan diproses (termasuk rekod bahan yang diinput oleh penyelidik).
- Menyunting isi kandungan bahan untuk dijadikan fail lampiran kepada rekod bahan (pdf / jpeg) – bahan tesis.
- Judul bahan yang sama, format penulisan berbeza → diterima untuk pendepositan.
- Hanya sumber akses terbuka sahaja yang akan dimuatnaik teks penuh.

INPUT METADATA & DEPOSIT BAHAN

- Mencipta rekod bahan bagi judul yang lengkap bersama fail lampiran.
- Menginput metadata untuk maklumat bahan yang diproses.
- Memuatnaik fail lampiran pada rekod bahan yang dicipta (sumber akses terbuka sahaja).
- Melaksanakan proses mendeposit rekod yang telah lengkap ke dalam sistem UTM-IR.

TINDAKAN : PUSTAKAWAN /
PUSTAKAWAN KANAN

SEMAKAN & KELULUSAN REKOD

- Menyemak rekod bahan untuk memastikan metadata & fail lampiran adalah tepat dan betul.
- Membuat proses pengesahan.

AKSES BAHAN OLEH PENGGUNA

- Pengguna mengakses kandungan repositori melalui sistem UTM-IR.

Platform UTM-IR (Manage Deposit)

Platform UTM-IR

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Laman web untuk membuat semakan status *open access* jurnal.

Artikel yang diterbitkan di dalam jurnal berstatus **open access**, **teks penuh** artikel boleh dimuatnaik ke sistem UTM-IR.

Jika artikel yang diterbitkan di dalam jurnal berstatus **closed access**, hanya maklumat **metadata** sahaja yang dibenarkan untuk dimasukkan ke sistem UTM-IR.



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MANAGE DEPOSIT

: Pembantu Pustakawan / Penulis (Depositor) menyemak, menginput metadata dan mendeposit bahan ke dalam sistem.

REVIEW

: Pustakawan (Editor) menyemak metadata dan fail lampiran untuk proses pengesahan.

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Review

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101993	Thesis	26 Jul 2023 00:45	Widya Wahid	    
101994	Thesis	26 Jul 2023 00:45	Widya Wahid	    
101995	Thesis	26 Jul 2023 00:45	Widya Wahid	    
101996	Thesis	26 Jul 2023 00:45	Widya Wahid	    
101997	Thesis	26 Jul 2023 00:46	Widya Wahid	    
101998	Thesis	26 Jul 2023 00:46	Widya Wahid	    
101999	Thesis	26 Jul 2023 00:46	Widya Wahid	    

Edit item: [Comparison between batch and fed-batch cultures of Chinese hamster ovary-DG44 cell using multi-well plate](#)

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Save and Return Cancel Next >

 **Item Type** 

☐ **Article**
An article in a journal, magazine, newspaper. Not necessarily peer-reviewed. May be an electronic-only medium, such as an online journal or news website.

☐ **Book Section**
A chapter or section in a book.

☐ **Monograph**
A monograph. This may be a technical report, project report, documentation, manual, working paper or discussion paper.

☐ **Conference or Workshop Item**
A paper, poster, speech, lecture or presentation given at a conference, workshop or other event. If the conference item has been published in a journal or book then please use "Book Section" or "Article" instead.

☐ **Book**
A book or a conference volume.

☒ **Thesis**
A thesis or dissertation.

☐ **Patent**
A published patent. Do *not* include as yet unpublished patent applications.



Edit item: [Co](#)

➡ Title

➡ Abstract

➡ Thesis Type

- ☒ Masters
- ☐ PhD

View Item: [Comparison between batch and fed-batch cultures of Chinese hamster ovary-DG44 cell using multi-well plate](#)

This item is in review. It will not appear in the repository until it has been checked by an editor.

AbdulKader Yousfi, AbdulKarim (2019) *Comparison between batch and fed-batch cultures of Chinese hamster ovary-DG44 cell using multi-well plate*. Masters thesis, Universiti Teknologi Malaysia.

➡ PDF
218kB

Official URL: <http://dms.library.utm.my:8080/vital/access/manage...>

Abstract

The biopharmaceutical proteins, especially monoclonal antibodies have become of great significance in the drug manufacturing and development industry during the last two decades. This significance can be attributed to their effectiveness, selectivity and the wide range of diseases and health problems cured by them. Consequently, the demand for these proteins has increased greatly. To meet this increasing demand for these proteins, optimization and development of the production process is required. This optimization is done through intensive screening of different culture options which requires an effective screening tool. The traditional screening methods such as shake flask system are slow and cost-ineffective. Multi-well plate is an option to accelerate the process of development with a rational cost. The goal of this study is to evaluate the usage of the multi-well plate as a screening tool in the bioprocess development. To achieve this goal, 24-multi-well plate was used to compare between batch and fed-batch cultures of CHO-DG44 cells. Cell density, cell viability, cell morphology and confluency, glucose concentration, and total protein concentration were

Di mana UTM-IR boleh diakses?

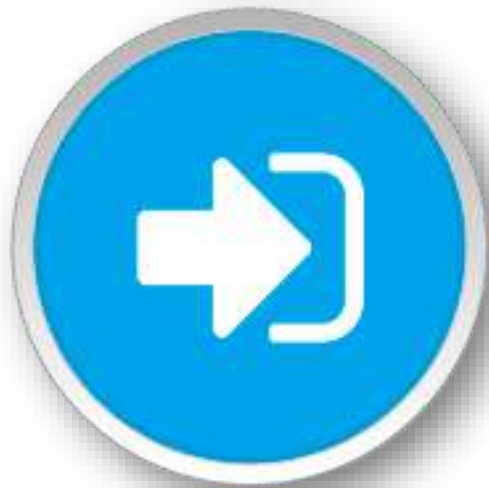


library portal

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AKSES



- Pengguna system hanya perlu membuat pencarian tanpa perlukan ID tertentu.
- Konsep UTM-IR adalah **boleh diakses secara terbuka** melalui internet.
- **Penggunaan UTMID** hanya digunakan oleh **Depositor** dan **Editor** bagi aktiviti menginput, mendeposit dan meluluskan rekod bahan untuk membolehkan pengguna mengakses data dan fail.

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Digital Document

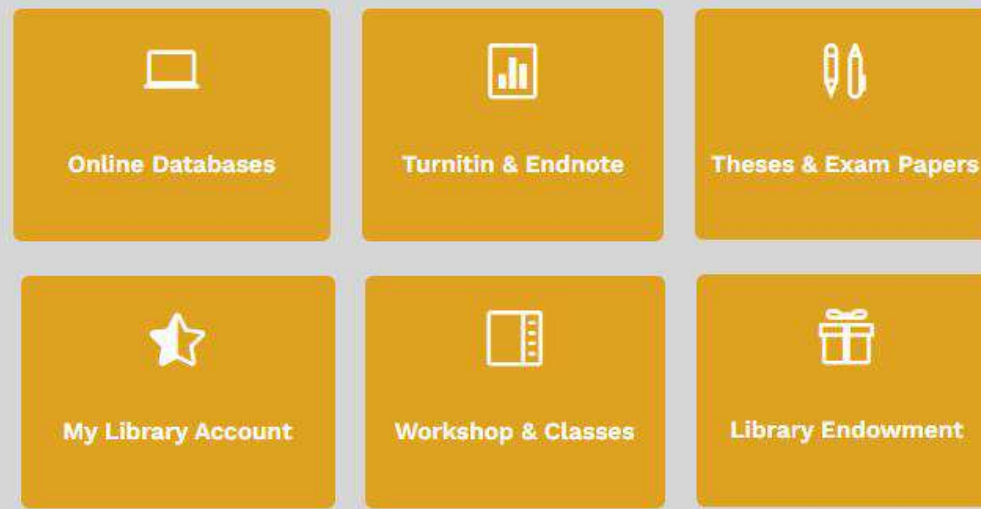
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Akses kepada sistem UTM-IR melalui Portal PUTM

Resources Highlight

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- ➔ UTM Institutional Repository (UTM-IR) >
- Theses Reference Services
- Open Access Initiatives
- UTM Researcher Profile
- Videos & Interactive Guides

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Sunday – Thursday	8.00am – 10.00pm
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| • 2011 (4303) | • 1997 (241) | • 1983 (1) |
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 - [Biotechnology Research Alliance](#) (12)
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Today

Mahdi, Noor Ghazi (2021) [*Hibiscus sabdariffa Linn. \(roselle\) extract nanoemulsion for controlled-release consumption and its physicochemical properties*](#). Masters thesis, Universiti Teknologi Malaysia.

Bavan, Mahesan (2022) [*Seismic fragility of concrete building in Malaysia considering the effects of inadequate lap splice length*](#). Masters thesis, Universiti Teknologi Malaysia, Faculty of Engineering - School of Civil Engineering.

Al Amin, Murni Noor (2021) [*Hexadecyltrimethylammonium-silver-kaolinite as a marine anti-biofouling paint additive*](#). PhD thesis, Universiti Teknologi Malaysia.

Zainol, Zaina Norhallis (2021) [*Heat transfer model to predict skin burn injury for firefighters*](#). PhD thesis, Universiti Teknologi Malaysia.

Rasheed, Adnan Hameed (2021) [*Heat transfer enhancement in helical micro tube heat exchanger using compound technique*](#). PhD thesis, Universiti Teknologi Malaysia.

Abbas, Mohamed Redzuan (2022) [*Growth response of different oil palm seedling parentage towards chemical fertilizer treatment*](#). Masters thesis, Universiti Teknologi Malaysia.

Deraman, Shahirah (2019) [*Growth and structural characterization of lanthanum-strontium-cobalt thin film synthesized by sol-gel dip coating for solid oxide fuel cell*](#). Masters thesis, Universiti Teknologi Malaysia.

Abu Bakar, Kamarudin (2020) [*Green management adoption for sustainable business performance of small and medium-sized companies*](#). PhD thesis, Universiti Teknologi Malaysia.

Ahmad, Muhammad Hilman (2020) [*Graphene floating gate flash memory performance with high-k tunnel barrier engineering*](#). Masters thesis, Universiti Teknologi Malaysia.

Che Othman, Faten Ermala (2021) [*Graphene composited activated carbon nanofibers for carbon dioxide adsorption*](#). PhD thesis, Universiti Teknologi Malaysia.

Sa'don, Siti Nor Hafizah (2020) [*Graphene antenna design and characterisation for fifth generation applications*](#). PhD thesis, Universiti Teknologi Malaysia.

Najmuddin, Nabilah (2021) [*Graph polynomial associated to some graphs of certain finite nonabelian groups*](#). PhD thesis, Universiti Teknologi Malaysia.

Mukaram, Muhammad Zillullah (2020) [*Graph of pseudo degree zero generated by sequence of fuzzy topographic topological mapping*](#). Masters thesis, Universiti Teknologi Malaysia.

Awang, Nor Asikin (2020) [*Graft copolymerization of acrylonitrile onto recycled newspaper-cellulose based adsorbent for heavy metals removal*](#). Masters thesis, Universiti Teknologi Malaysia.

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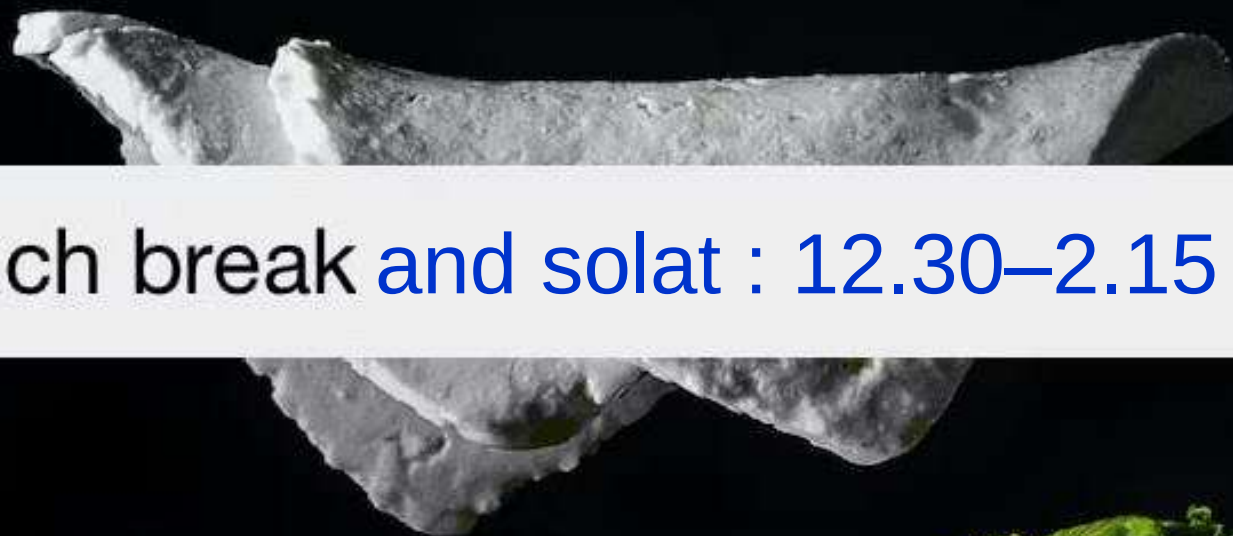
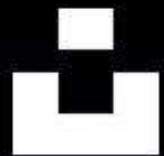
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subject: TP Chemical technology
description: Herein thermally treated empty fruit bunch SiO₂ nanoparticles (EFBSNP) was produced by ultrasound-assisted wet-milling and their effectiveness in enhancing cavitation effect of ultrasound to improve heavy oil recovery was evaluated. Empty fruit bunch ash (EFBA) was thermally treated to enhance its SiO₂ content. Surface properties and size distribution of EFBSNP were studied using transmission electron microscopy and dynamic light scattering. X-ray diffractometer identified the crystal phase, the active group was ascertain using Fourier-transform infrared spectroscopy and thermal stability was established by differential scanning calorimetry. Moreover, the surface chemical composition was determined by X-ray photoelectron spectroscopy. The ability of empty fruit bunch SiO₂ nanofluid (EFBSNF) to absorb ultrasound in heavy oil and the impact of ultrasound assisted EFBSNF flooding to enhance oil recovery of heavy oil was assessed. The microstructure analysis revealed EFBSNP of size ranges 17.78–115.38 nm with a purity of 94%. EFBSNF assisted ultrasound decreased interfacial tension to 0.2 mN/m, thus mobilizing the trapped oil droplet in the pores effectively. Ultrasound assisted EFBSNF flooding increased oil recovery by 44.33% compared to 26.33% without ultrasound.
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10.00 – 10.30 am







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