



UTM
UNIVERSITI TEKNOLOGI MALAYSIA

BioBuzz

Jabatan Biosains, Fakulti Sains, Universiti Teknologi Malaysia

e-ISSN: 2756-8725

JAN - MAC 2021

STAFF CORNER

Tahniah
PROF. MADYA DR.
RAZAUDEN MOHAMED ZULKIFLI
Jabatan Biosains
atas kenaikan pangkat ke jawatan
PROFESOR MADYA
(DS54)
Berkuatkasa mulai
23 DISEMBER 2020
Daripada Pengurusan dan Seluruh Warga
Fakulti Sains

UTM Faculty of Science
5 Star QS Overall Rating
TOP 40 Best Universities in Asia
TOP 20 Best University of Education in Asia

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Congratulations
On Recent Publication Edited Book
Title: In Vitro and In Vivo Techniques with Consideration of Biological System ISBN : 9789835217401
Editors: Dr. Saleha Shahar, Dr. Siti Paulienah Mohd Bohari
Authors: Dr. Haryati Jamaluddin, Dr. Mohd Helmi Sani, Dr. Joazaizulazli Jamalis, Dr. Khairunadwa Jemon, Prof. Madya Dr. Razauden Mohamed Zulkifli, Dr. Saleha Shahar, Dr. Siti Paulienah Mohd Bohari, Dr. Syazwani Itri Amran, Dr. Zaidah Rahmat
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From the Management Team and Staff, Faculty of Science

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TOP 20 Best University of Education in Asia

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JANUARI
ALINA BINTI WAGIRAN · 1 Januari
GOH KIAN MAU · 15 Januari
FAHRUL ZAMAN BIN HUYOP · 18 Januari
HUSZALINA BINTI HUSSIN · 28 Januari

FEBRUARI
RAZAUDEN BIN MOHAMED ZULKIFLI · 7 Februari
SITI PAULIENA BINTI MOHD BOHARI · 7 Februari

BioBuzz Team

Penasihat:

Prof. Madya Dr. Shafinaz Shahir

Pengerusi:

Dr. Nurzila Ab Latif

Ahli:

Dr. Siti Halimah Hasmoni

Amalina Ramli

Hamidah Mat Arif

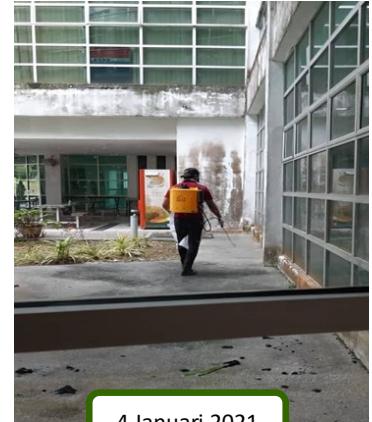
Wan Aznida Wan Mohd Anuar



Tahniah kepada Dr. Nurashikin binti Ihsan dan pasangannya di atas kelahiran anak ketiga mereka yang diberi nama Muhammad Alif Hadif bin Mohd Hairuddin pada 21 Mac 2021.



STAFF ACTIVITIES



4 Januari 2021

AKTIVITI SANITASI

Aktiviti sanitasi ruang guna sama di bangunan T02 oleh staf Pejabat Pentadbiran dari C17 dan T02. Staf Pejabat Pentadbiran dari T02 yang terlibat dalam aktiviti ini ialah En. Ts. Ikhwan Shahid, En. Nor Azlan dan En. Mohammed Rafiq.

PROGRAM CSR BANTUAN MANGSA BANJIR

Badan Kebajikan Fakulti Sains telah melaksanakan Program CSR Bantuan Mangsa Banjir di Kampung Laut (Belakang Skudai Parade) kepada dua (2) org staf fakulti yang ibu bapa mereka terkesan dengan insiden banjir besar yang berlaku pada 3 Januari 2021.



Seramai 50 orang staf PPP telah turun padang membantu membersihkan rumah dan barang-barang yang kotor akibat banjir ini. Badan Kebajikan Fakulti juga menyumbang keperluan barang dapur kepada keluarga mangsa. Staf T02 yang turun serta dalam program ini adalah Pn. Hamidah, En. Ts. Ikhwan Shahid dan En. Muhammad Shahril.



5 Januari 2021



GOTONG ROYONG FREEZER ROOM , ARAS 5

10 Januari 2021

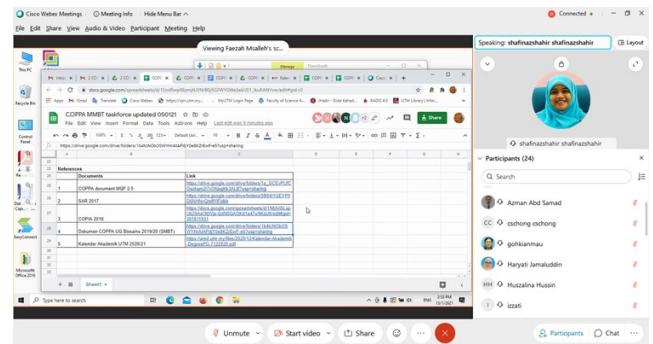
Gotong-royong di *freezer room* aras 5 telah diadakan dengan kerjasama pelajar pasca siswazah. Gotong- royong ini telah diketuai oleh En. Muhamad Ruzaini bin Ramli. Pembersihan ini perlu dilaksanakan secara berkala bagi memastikan ruang-ruang peti sejuk beku ini digunakan secara optimum.

STAFF ACTIVITIES

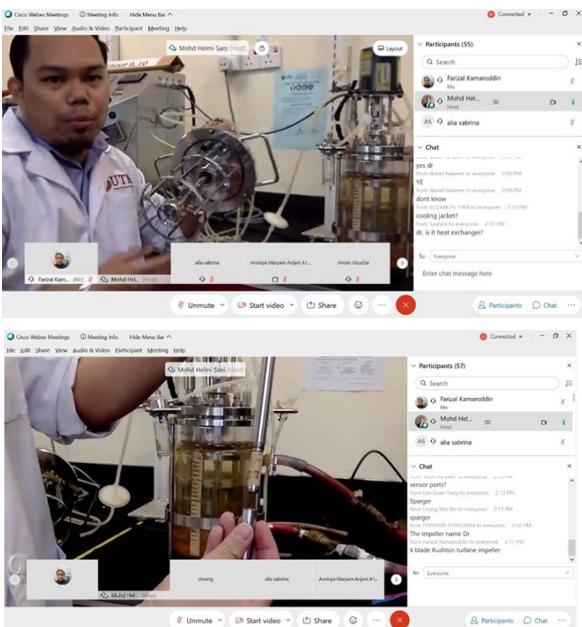
TAKLIMAT PENYEDIAAN DOKUMEN COPPA MMBT

Taklimat telah diadakan oleh Pengarah Jabatan Biosains, Dr Shafinaz Shahir kepada semua staf akademik Jabatan Biosains. Taklimat ini sebagai pemakluman pelantikan task-force serta proses penyediaan dokumen COPPA untuk program Sarjana Sains Bioteknologi yang akan diaudit pada bulan Jun 2021.

13 Januari 2021



Januari – Februari 2021

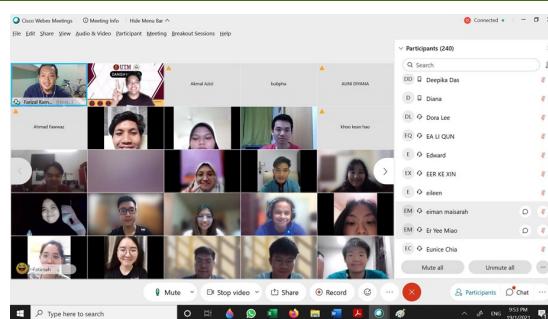


Due to Movement Control Order 2.0 (during semester 1 2021), students could not return to the campus and attend their practical laboratory classes. Therefore, for embedded lab course like Introduction to Bioprocess Engineering (SSCB 2513), Dr. Mohd Helmi and Dr. Mohd Farizal set up virtual lab classes for their students. Dr. Siti Pauliena also took the initiative to run a virtual lab for Application of Tissue Culture lab (SMBT 4253). The students gave positive feedback and participated actively in the virtual sessions, which were conducted through Webex. However, for Microbiology (SSCB 1613) under Dr. Adibah and Dr. Nur Izzati, the lab was done via take-home experiment using items at the students' homes such as bread, butter and milk to observe any presence of microorganism. The students were required to record their experiments through video recordings and present their findings in the videos. In this new norm where TikTok and YouTube have become increasingly popular among these generations, the students would definitely be able to produce interesting and interactive videos.

LATIHAN PENGGUNAAN PERALATAN DAN PERSIJILAN BIOSAFETY CABINET.

Latihan telah diadakan bagi memastikan peningkatan kemahiran staf. Persijilan ini adalah untuk memenuhi standard yang telah ditetapkan oleh National Sanitation Foundation (NSF). Staf makmal yang terlibat adalah Pn. Noor Hidayah dan juga En. Nazirul Mubin.

17 Januari 2021

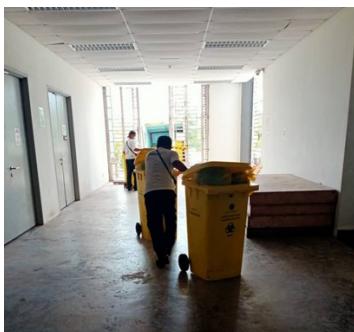


19 Januari 2021

Dr. Mohd Farizal bin Ahmad Kamaroddin merupakan salah seorang penceramah jemputan untuk perkongsian Persediaan Ke Alam Kerjaya anjuran Kolej Tun Hussein Onn, UTM.

STAFF ACTIVITIES

PELUPUSAN SISA BIOLOGI



24 Jan, 26 Feb & 23 Mac

Aktiviti kutipan bulanan sisa biologi telah berjalan lancar dan dikendalikan oleh Pn. Norsyuhada Jaafar.

CONGRATULATIONS to Dr. Huszalina Hussian (project leader) and team members for being awarded the 2020 UTM Centre for Community and Industry Network (CCIN) High Impact Star Rating for their community engagement projects. Each year, UTM CCIN assesses Community Engagement Projects through a Star Rating instrument. High Impact Community Projects are projects categorized between 3 to 5 Star Ratings. Hopefully, this will be a motivation for better things to come as we strive to prosper the lives of our community.

15 Februari 2021

UTM Faculty of Science
UNIVERSITI TEKNOLOGI MALAYSIA

Tahniah

PENARAFAN BINTANG PROJEK LIBAT SAMA KOMUNITI 2020

TAHNIAH Kepada Ketua Penyelidik Dan Ahli-Ahli Projek Fakulti Sains Yang Terlibat Dalam Pelaksanaan Projek Libat Sama Komuniti Universiti Di Atas Penarafan Bintang Projek Libat Sama Komuniti 2020

| Ketua Projek | Ahli-ahli Projek dari Fakulti Sains | Tajuk Projek | Penarafan Bintang |
|--|--|--|-------------------|
| Dr. Huszalina Hussian (Jabatan Biosains) | Dr. Alina Wagiran Dr. Nuriza Abd Latif Prof. Madya Dr. Madiah Md Saleh Dr. Adibah Yahya Dr. Norahim Ibrahim Dr. Nor Aini Hussein Dr. Fazliah Abd Manan Dr. Khairunadwa Jemion | Sustainable Food Waste Compostingof Pilot Regeneration Project at Kenari Kangkar Pulai, Majlis Bandaraya Iskandar Puteri | ★★★★★ |



The Community Link Biocompost Open Laboratory at T02, Faculty of Science, received a short visit by delegates from Johor Bahru City Council (MBJB). This visit was headed by the Mayor; YBhg. Dato' Haji Adib Azhari bin Daud, includes YBhg Datuk Yahya bin Jaafar (Councillor of MBJB), Tuan Mohamad Khairulanuar Esa (Director, Department of Community Development, MBJB), Tuan Safwan Shaari (Planning Officer, Iskandar Puteri City Council) and representatives from Federal Land Development Authority (FELDA) and Pertubuhan Peladang Negeri Johor. This purpose of this visit is to discuss the possibility of collaboration for future projects and also share the knowledge and technology with local authorities. The Community Link Biocompost Open Laboratory is a composting and urban farming educational centre set up by a group of staff from the Department of Biosciences, Faculty of Science, UTM. Hopefully, this will spark off more collaboration between scientists in



21 Februari 2021

STAFF ACTIVITIES



8 Mac 2021

AKTIVITI GOTONG ROYONG & SANITASI

Aktiviti gotong-royong dan pembersihan serta sanitasi Bilik Mesyuarat dan Bilik Guna Sama di T02 oleh staf Pejabat Pentadbiran T02. Aktiviti ini dilaksanakan oleh Encik En. Ts. Ikhwan Shahid, Cik Zaleha, Pn. Nurul Syuhada , En. Nor Azlan dan En. Mohammed Rafiq.

PEMBENTANGAN MARKAH, CAR AND CQI

10 Mac 2021

Setelah tamat peperiksaan akhir, pembentangan markah untuk setiap kursus pada Semester 1 Sesi 2020/2021 telah dijalankan secara dalam talian. Pembentangan laporan CAR dan CQI juga telah dijalankan untuk setiap kursus yang ditawarkan pada Semester 1 Sesi 2020/2021. Para pelajar di Jabatan Biosains memperolehi markah yang memberangsangkan. Masalah pembelajaran dan pengajaran juga dibincangkan bagi meningkatkan kualiti pengajaran dan pembelajaran untuk sesi seterusnya.

AUDIT KENDIRI DALAMAN AKKP 2020

16 - 22 Mac 2021

Audit Dalaman KKP berlangsung selama 3 hari melibatkan semua makmal di blok T02 sempena AKKP 2020. Semua staf makmal Jabatan Biosains terlibat dalam melancarkan perjalanan audit kali ini.



Dr. Huszalina Hussin had been awarded as one of the women in academia by Centre for Community and Industry Network- CCIN during the International Women's day (8 March 2021). This year, the theme is "Women in leadership: Achieving an equal future in a COVID-19 world.". Congratulations Dr. Huszalina Hussin!

WOMEN IN ACADEMIA MAKING AN IMPACT THROUGH UTM COMMUNITY ENGAGEMENT PROGRAMS (2017 – 2020)



PROF. MADYA DR. SHAHIDA
BINTI SULAIMAN
(FE) 2020



DR. HUSZALINA BINTI
HUSSIN
(FS) 2020



DR. SHANTI CHANDRAN A/P
SANDARAN (CHANDRAN)
(FSSH) 2020



DR. ZAITON BINTI HARON
(FE) 2020



DR. NINA DIANA BINTI NAWI
(FSSH) 2020



PROF. MADYA DR. ROHaida
BINTI BASIRUDIN
(AHIBS) 2020

STAFF ACTIVITIES



The banner for Faculty of Science Research Week 2021 features the text "Research Week@FS" and "Faculty of Science Research Week 2021" in large orange and yellow letters. It includes the UTM logo and the date "14th – 21st MARCH 2021". A QR code and the website "http://science.utm.my/fsresearchweek2021/" are also present.



This banner for the "Winning Grant Sharing Session" on March 17, 2021, features a portrait of Dr. Nik Ahmad Nizam Nik Malek. The text "Winning Grant Sharing Session : How to apply ICC grant? (Technical and Winning Strategy)" is displayed, along with "Speaker Assoc. Prof. Ts. ChM. Dr. Nik Ahmad Nizam Nik Malek" and "Director Centre for Sustainable Nanomaterials". Logos for UTM, ENVICHEMI, Cisco, and Webex are included, along with a QR code.

People@UTM Website Competition (FS Research Week)

Congratulations to all Biosciences Staff!

| Category | Winner |
|-----------------------------|--------------------------|
| Academic Staff | Dr. Siti Halimah Hasmoni |
| Non-Academic Staff Category | Puan Amalina Ramli |
| Advance Website Category | Dr. Syazwani Itri Amran |



25 Mac 2021

Aktiviti pelupusan aset alih yang pertama pada tahun ini telah diuruskan oleh En. Muhammad Hanif. Makmal yang terlibat dengan pelupusan kali ini adalah sebanyak 3 makmal iaitu makmal EBE1 (En. Nazirul Mubin), GET (En. Yusnizam) dan ATC (Pn. Norsyuhada).

STUDENT ACTIVITIES

BEST SDG CATEGORIES WINNERS

TEAM MEMBER:

ROSALINDA BINTI JOHARI PUTRI, NUR NAJIHAH BINTI HUSIN, NUR SYAMIERA BINTI SANI, NUR SYAKIRA BINTI MOHD HAMIDI, NUR HAZIQAH SYAHIRAH BINTI AHMAD SYUKKERI (3SSCG)

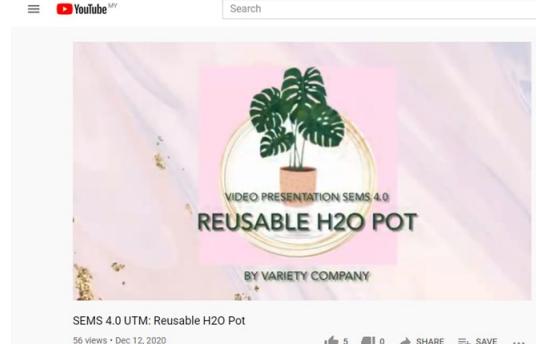
SUPERVISOR: ASSOC. PROF. TS. CHM. DR. NIK AHMAD NIZAM NIK MALEK

Sustainable Entrepreneurial Mindset Showcase (SEMS 4.0) By UTM XCITE

SDG 12: Responsible Consumption And Production

GROUP: REUSABLE H₂O POT

<https://www.youtube.com/watch?v=a4I7VWWQWRg>



18 Januari 2021

24 Januari 2021

Webinar Bio Outdoor Survival (BOS)

Program ini dilaksanakan selaras dengan perancangan "Faculty of Science's Roadmap" (MyRoadmap @ FS) dan diselia oleh koordinator Jawatankuasa Pembangunan dan Kebajikan Pelajar (JKPP Biosains), Dr. Mohd Farizal bin Ahmad Kamroddin serta bekerjasama dengan jawatankuasa alumni Biosains dan Kelab Persatuan Pelajar Biosains (Symbiosis). Webinar ini merupakan anjuran Jabatan Biosains, Fakulti Sains Universiti Teknologi Malaysia (UTM) dan disertai oleh pelajar Sarjana Muda Sains Biologi dan Biologi Industri. Webinar BOS ini telah dibahagikan kepada 3 slot iaitu "Academic Survival", "Mental Survival" dan "Career Survival" untuk memenuhi 3 jam tempoh webinar. Ketiga-ketiga slot ini diambil alih oleh empat orang ahli panel yang juga merupakan Alumni Biosains terdiri daripada Muhammad Redza (Academic Survival), Muhammad Ramziuddin (Mental Survival), Farah Diyana dan Syed Nazirul (Career Survival).— Dr. Mohd Farizal

A promotional image for the Bio Outdoor Survival Webinar (BOS) 2021. It features the MyRoadmap logo, the title 'BIO OUTDOOR SURVIVAL WEBINAR (BOS) 2021', and the subtitle 'HOW TO SURVIVE OUT THERE?'. It includes speakers' names: Muhammad Redza, Muhammad Ramziuddin, Farah Diyana & Syed Nazirul. It also shows a QR code and logos for CO-ORGANIZER: SYMBIOSIS and BiSAS. Two video thumbnails at the bottom show speakers Farah Diyana and Syed Nazirul.

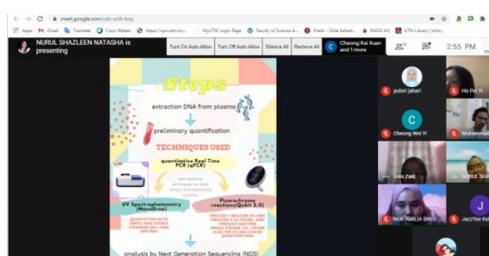
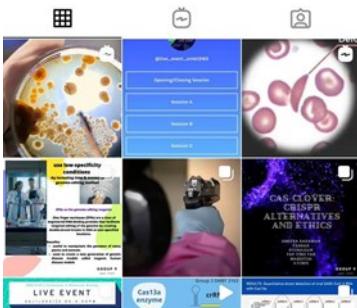
STUDENT ACTIVITIES



25 Posts 71 Followers 73 Following

Molecular Biology (Techniques)
Education
Online Exhibition, Live Event
All posts are prepared by the 3rd year students of Industrial Biology
JOIN our live event on 26/1/2020 linktr.ee/live_event_smbt3163 Followed by nurfadilaafazil, 12n4 and _puterijahari_

Following Message



Work Based Learning (WBL) is embedded in the course of Pharmaceutical Biotechnology for fourth year students. Thus, Dr. Syazwani Itri and Dr. Nurzila invited En. Mohamed Azren from Biocon Sdn. Bhd. to share his experience working in Biocon and also the system that he is working on in the production of insulin via online. After his presentation, the students were required to ask questions and relate to what they learn with the WBL series.



UTM Faculty of Science
SMBT 4263 Pharmaceutical Biotechnology
INDUSTRIAL TALK

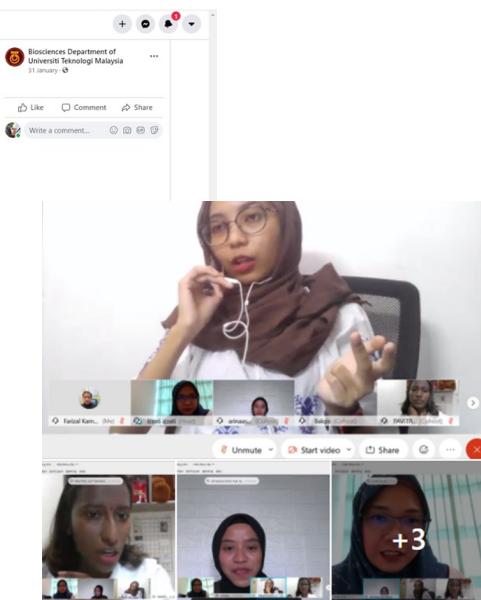
WORK-BASED LEARNING SERIES

An Overview of *Pichia pastoris* based Insulin & Insulin Analogue Production (Upstream & Primary Recovery Process) by En. Mohamad Azren Faris b. Mohamad Azemi Scientist 1 & Associate Production Drug Substances (Upstream), BIOCON Sdn. Bhd.

Date: 26th January 2021
Day: Tuesday
Time: 9am - 10am
Meeting number: 176 117 3334
Password: SMBT4263
Scan code for meeting link

www.science.ulm.my Cisco Webex where great minds are nurtured

26 Januari 2021



LI Sharing Webinar

Dr. Nur Izzati Mohd Noh coordinate the LI sharing Webinar by our 4th Year students. The webinar was held for all of the students in Department of Biosciences, Faculty of Science. This webinar is to prepare the students for their future internship and also for the students to get an exposure of how working in the industry is really like.

31 Januari 2021

STUDENT ACTIVITIES

Peperiksaan Akhir

7 - 25 Februari 2021

Peperiksaan akhir telah dijalankan sepanjang bulan Februari secara dalam talian. Kebanyakan pensyarah memilih pilihan *asynchronous Final Exam* agar pelajar tidak terganggu oleh masalah internet. Pemeriksaan kertas soalan oleh pensyarah dan Penyelaras Program telah dijalankan seawal bulan Disember 2020 hingga akhir Januari 2021 bagi memastikan kualiti soalan yang diberikan mengikut piawai yang ditetapkan.

Congratulations to our students, the winners of Virtual Scientific Poster and Pitch Competition 2021 in conjunction with Faculty of Science Research Week.

The Winner: Muhammad Hariz Asraf Hassan

2nd Runner Up: Muhammad Redza Mohd Radzi



15 Februari 2021

CONGRATULATIONS to Biosciences postgraduate students;

Muhammad Ramziuddin Zakaria (PhD in Bioscience) for winning the 2nd Prize (PhD. Category) in the UTM Speaks Up Competition 2021, with his speech entitled "Believe" and Muhammad Hariz Asraf Hassan (PhD in Bioscience) for winning the Consolation Prizes (PhD. Category) in the same competition, with his speech entitled "Let's Try Gardening"

UTM Speaks Up Competition is a platform for UTM postgraduate students to demonstrate their speaking skills, and at the same time use verbal and non-verbal communication skills to provide information, convince and inspire and entertain the audience. This competition exposes students to the practical skills and knowledge needed to express themselves clearly and confidently in English while cultivating students' confidence to interact more effectively and as preparation in facing Proposal Defends, VIVA, and even to face the real world of work that requires effective communication skills. This competition is divided into TWO categories; Master & Ph.D.

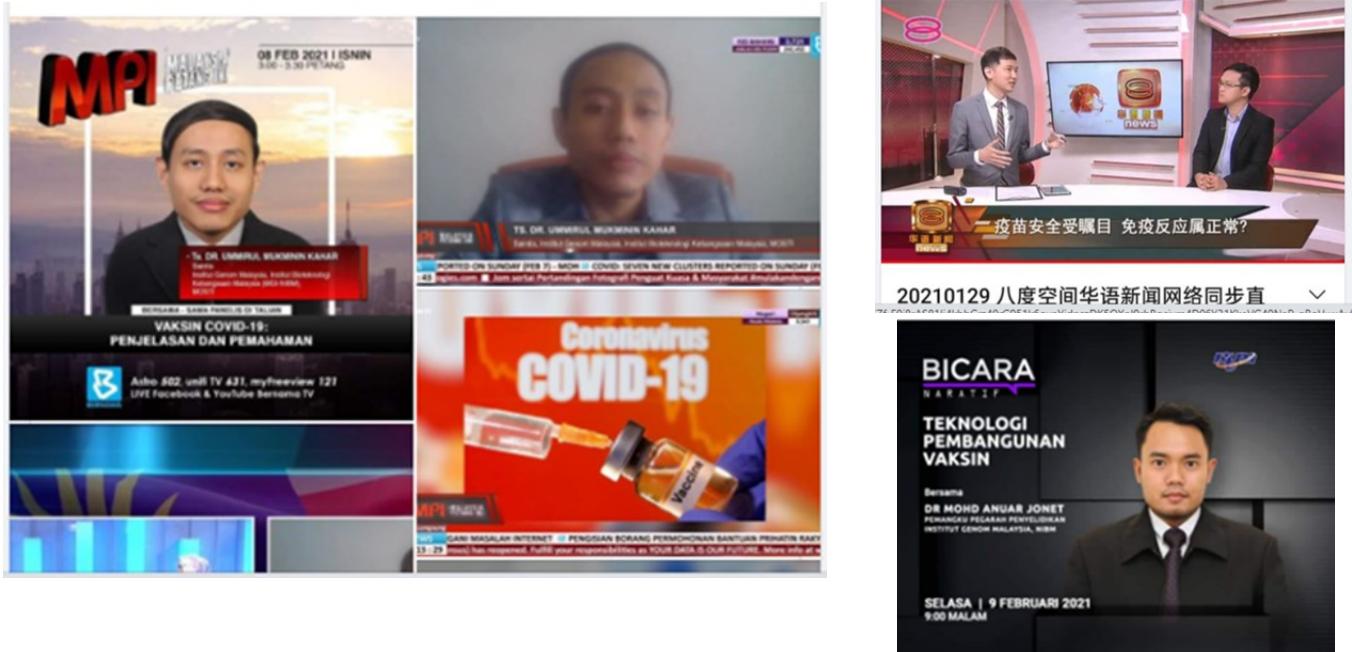
Congratulations once again to our exceptional students for making us proud!

<https://www.youtube.com/watch?v=ox2WOy8URqs>

ALUMNI

OUR ALUMNI IN THE NATIONAL NEWS

Three of our Alumni, Dr. Low Kheng On, Dr. Ummirul Mukminin Kahar and Dr. Mohd Anuar Jonet who are currently in Malaysian Genome Institute appear in the national news to share their expertise on Covid 19 Vaccines to our community.



Congratulations to Ms Hemalatha Murugaiyah for the recognition given!

The poster for the event 'MICROALGAE: THE SOLUTION FOR GLOBAL WARMING' organized by the Faculty of Health Sciences at MAHSA University. It features the MAHSA University logo at the top left. The main title is 'MICROALGAE: THE SOLUTION FOR GLOBAL WARMING' in large orange letters, with 'Faculty of Health Sciences' below it. A small portrait of Dr. Cheah Wai Yan is shown on the left. The text 'Global warming is one of the major issues threatening mankind for decades. It has brought negative environmental impacts and health issues to people. The major cause of global warming is the burning of fossil fuels. Bioenergy is one of many diverse resources available to help meet our demand for energy. Microalgae have recently attracted considerable interest worldwide due to its extensive application potential in the renewable energy sector. It is a promising tool for bioenergy generation and also in providing a better solution for carbon dioxide biosequestration. A healthy environment ensures a healthy community. Save Nature, Save the Future!' is written in the center. At the bottom, it says '31 MARCH 2021, 4:00PM LIVE ON MAHSA FACEBOOK & YOUTUBE' and 'FOLLOW US www.mahsa.edu.my 1800-88-0300'.

Our alumni Dr Cheah Wai Yan will be giving a talk through a webinar hosted by MAHSA University. Dr Cheah graduated with a Bachelor of Science in Industrial Biology from UTM and is now a Faculty Manager and a lecturer at Faculty of Health Sciences, MAHSA University. We are proud of you!

ALUMNI

MEET OUR ALUMNI

Name: NOOR ISMAHISHAM BIN ISMAIL

Course (batch): BIOLOGI INDUSTRI (2005)

Position: PENOLONG PENGARAH, SEKTOR PENTAKSIRAN DAN PEPERIKSAAN

Job scope: MEMASTIKAN PENGURUSAN PENTAKSIRAN PUSAT SPM, DAN PEPERIKSAAN LUAR NEGERI SEPERTI DELF & AIA DI NEGERI SELANGOR BERJALAN LANCAR.

Company: JABATAN PENDIDIKAN NEGERI SELANGOR



Education gain Knowledge,
Knowledge gain Power,
Power gain success.

CONGRATULATIONS

