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TEKNOLOGI
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MAY
2024



International Industrial Revolution 4.0 Exposition

"INNOVATING IDEAS, TRANSPIRING DREAMS"

ABSTRACT BOOK

Strategic Partners:



Perpustakaan
Sultan Badlishah

Organized By:

**COLLEGE OF COMPUTING, INFORMATICS AND MATHEMATICS,
UNIVERSITI TEKNOLOGI MARA, KEDAH BRANCH**

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UITM Cawangan Kedah Channel

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IREx 2024

The successful inauguration of IR4.0 Exposition IREx 2019 has witnessed ground breaking initiatives, ideas, and innovations materialised into numerous practical devices today. Treading on the same triumph, the College of Computing, Informatics, and Mathematics, UiTM Kedah is thrilled to announce the continuation of said event, IREx 2024 with the theme: *Innovating Ideas, Transpiring Dreams*.

The IREx 2024 aspires to incorporate even more exciting new technologies including, but not limited to, Information & Communication Technology (ICT), Educational Technology & Innovation (ED), Operational Excellence (OE), Internet of Things (IoT), Process Improvement, Ideas & Design, Multimedia, and Electronics that will chart new milestones in human history. This will serve as an excellent platform for scientists and innovators alike to meet the like-minded individuals and showcase inspiring ideas and notable innovations.

PROGRAM SCHEDULE

International Industrial Revolution 4.0 Exposition (IREx 2024)
21ST May 2024 (Tuesday)
Dewan Perdana, UiTM Kedah Branch

TIME	EVENT
8.00 – 9.00 am	Registration & Booth Set Up
9.00 am – 12.00 pm	Exhibition & Judging Session
12.00 pm – 2.00 pm	Obedient Drone Session & Break
2.00 pm – 5.00 pm	Official Closing & Prize Giving Ceremony
5.00 pm	Program Ends

Official Closing Ceremony

International Industrial Revolution 4.0 Exposition (IREx 2024)

TIME	EVENT
2.00 pm	Arrival of Guests and Participants
2.30 pm	Arrival of VVIP
	National anthem - Negaraku And Wawasan Setia Warga
2.40 pm	UiTM
	Welcoming Speech
3.00 pm	Rector's Welcoming Speech
	Officiating Speech
3.10 pm	Gimmick & Montage presentation
3.30 pm	Prize Giving Ceremony
4.00 pm	Photography
5.00 pm	Program Ends

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IRX082	MULTIPURPOSE SOAP	5
IRX083	PUFFER FISH BOAT	6
IRX092	MY GAMES ACADEMIA	7
IRX095	'ROBOCRAB' PEMBERSIH SAMPAH	8
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CATEGORY B

SCOFT: A CULTURED DRINK

Muhammad Luqman Bin Mohd Zukri¹, Muhammad Irfan Bin Muhammad Kamarul², Shafi Haidi Hakimi Bin Mahadi³, Norizah Binti Mohd Sabri⁴

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ABSTRACT - Nowadays, most of sweet beverages can cause many diseases especially digestive problems. According to Yeong Yeh Lee, Anuar Waid and other in ResearchGate Nov 2012, the prevalence of Constipation-Predominant Irritable Bowel Syndrome (IBS-C) was about 10.9-15.8% among Malaysians. Dato Seri M Saravanan, Ministry of Human Source (2020-2021) had said that almost 140,608 human in Malaysia losses their jobs due to the COVID-19 pandemic a few years ago and causing the financial problem occur in Malaysia. Our objectives are actually to create a community with better health starting from the digestive system without making it hard for them to achieve that. We made an initiative that can fulfil our objectives. We innovate a cultured drink that can help with our digestive system and also cheap to be made compared to other cultured drink. It is called ScoFT. ScoFT is actually mixture of Kombucha Tea, Fruit and other ingredients that support the benefit of Kombucha Tea. It contain a lot of prebiotic such as lactobacillus acidophilus and have a lot of vitamin such as vitamin b1,b2 and more. Our targeted buyer is students, children and college student. It is because we try to make the fullest output of the growing phase.

Keyword: Tea, Prebiotic, Fruit, Affordable, Refreshing



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