



بوکوفور کوفہ

Programme Book

SAPPHAT

6TH INTERNATIONAL SEMINAR
ON HALALAN THAYYIBAN
PRODUCTS AND SERVICES

"Enhancing Halal Sustainability
based on Maqasid Shariah"

BALAI KHAZANAH ISLAM
SULTAN HAJI HASSANAL BOLKIAH
16-18 ZULKAEDAH 1444/5-7 JUNE 2023



بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

PREFACE BY RECTOR

بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ
الحمد لله رب العالمين والصلاة والسلام على أشرف الأنبياء والمرسلين، سيدنا محمد، وعلى آله وصحبه ومن تبعهم
بإحسان إلى يوم الدين.
السلام عليكم ورحمة الله وبركاته

Alhamdulillah, all praise be to Allah, The Most Gracious and The Most Merciful, peace and blessings be upon the Prophet Muhammad, and with Allah's blessings, mercy, and abundance, this is the sixth time the International Seminar on Halalan Thayyiban Products and Services 2023 (SAPPHAT 2023) have been organized by Universiti Islam Sultan Sharif Ali (UNISSA) through Halalan Thayyiban Research Centre and jointly co-organized with the Ministry of Religious Affairs in conjunction with Brunei Mid-Year Conference and Exhibition 2023 which supported by Ministry of Primary Resources and Tourism. The Standards and Metrology Institute for Islamic Countries (SMIC) and Research Centre for Islamic History, Art and Culture (IRCICA) also co-hosted the seminar. This year the seminar collaborated with Universiti Sultan Zainal Abidin (UniSZA), Universitas Negeri Malang (UM), Universiti Putra Malaysia (UPM), Prince of Songkla University (PSU), Management and Science University (MSU), Osaka University (OU), Universiti Kebangsaan Malaysia (UKM) and Universiti Sains Islam Malaysia (USIM).

SAPPHAT 2023 will focus on 'Enhancing Halal Sustainability through Maqasid Shariah'. With this theme, we hope to emphasize the importance of Maqasid Shariah in the halal industry, not only to maintain the integrity of halal products and services, but also to innovate, sustain, and transform it. The growth and improvement of the halal industry around the world have been a sign of the importance of the halalan thayyiban aspect in life globally. The increasing need for various services and halal thayyiban products has proven that the concept of halalan thayyiban can lead to universal benefits. We believe bridging the innovation gap between academics, industry, and the government is critical to ensuring that halal can be used to diversify Brunei Darussalam's income and propel the halal economy forward. As a result, SAPPHAT VI 2023 would be a fantastic place to raise awareness, network, and develop collaboration among the relevant stakeholders. We also hope that this seminar will serve as a springboard for further research into how to enhance halal sustainability through Maqasid Shariah, improve and promote our halal industry, as well as the required governance that must be in place to support it.

Many people have worked really hard to achieve the aims of this seminar. Special thanks go to the organising committee, reviewers and those who have contributed directly and indirectly to the success of this seminar. We would also want to thank all of the keynote speakers, invited speakers, and all presenters who contributed to the discourse. May Allah richly reward everyone for their great efforts.

وبالله التوفيق والهداية
والسلام عليكم ورحمة الله وبركاته

DR HAJI NORARFAN BIN HAJI ZAINAL
Rector of Universiti Islam Sultan Sharif Ali
Advisor for SAPPHAT 2023

Secretary of Brunei Mid-Year Conference and Exhibition 2023

FOREWORD FROM CHAIRPERSON

بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

Alhamdulillah, all praise be to Allah, The Most Gracious and The Most Merciful, peace and blessings be upon the Prophet Muhammad, and with Allah's blessings, mercy and abundance, this sixth International Seminar on Halalan Thayyiban Products and Services (SAPPHAT) was successfully organized.

It gives me great pleasure to welcome all of the SAPPHAT 2023 keynote speakers, invited speakers, presenters and participants. Indeed, it is an honour for us to conduct SAPPHAT 2023 which is jointly organized with the Ministry of Religious Affairs, co-hosted by the Standards and Metrology Institute for Islamic Countries (SMIIC) and Research Centre for Islamic History, Art and Culture (IRCICA), and in collaboration with Universiti Sultan Zainal Abidin (UniSZA), Universitas Negeri Malang (UM), Universiti Putra Malaysia (UPM), Prince of Songkla University (PSU), Management and Science University (MSU), Osaka University (OU), Universiti Kebangsaan Malaysia (UKM) and Universiti Sains Islam Malaysia (USIM), in conjunction with the Brunei Mid-Year Conference and Exhibition (Brunei-MYCE) 2023 which is supported by Ministry of Primary Resources and Tourism.

The theme for the sixth SAPPHAT 'Enhancing Halal Sustainability through Maqasid Shariah' is very relevant to the present situation. The objectives of choosing this theme are to implement Maqasid Shariah in order to enhance the continuity of the halalan thayyiban concept in the halal industry; to emphasize the benefits of Maqasid Shariah; and to hold discussions in the development of the halal industry.

It is hoped that the SAPPHAT VI 2023 could provide a platform for important players from various backgrounds, views, and interests to cross-fertilize ideas and create synergy to enhance and strengthen the halal industry. Hopefully, with the implementation of this seminar, this seminar will be able to be a catalyst for all halal industry practitioners and entrepreneurs especially in the country to continue to strive and be resilient in improving the quality of halal thayyiban products and services.

It is envisaged that by sharing ideas and exchanging experiences, UNISSA will be able to realize its goal of expanding research in the Halalan Thayyiban field, which would be a great contribution to Brunei Darussalam and fully assist the realization of Wawasan Brunei 2035.

Finally, SAPPHAT VI 2023 would not be feasible without everyone's hard effort, dedication, coordination and cooperation in making this seminar a success. Thank you for devoting your significant time and efforts to bringing SAPPHAT VI 2023 a reality. Special appreciation also goes to all the speakers and participants for their support of this seminar. It is anticipated that we would learn something useful and that this knowledge will be blessed by Allah and become *sadaqah jariyah* in the hereafter.

وبالله التوفيق والهداية والسلام عليكم ورحمة الله وبركاته

PENGIRAN DR HAJAH NORKHAIRIAH BINTI PENGIRAN HAJI HASHIM
Director of Halalan Thayyiban Research Centre
Universiti Islam Sultan Sharif Ali

As Co-Chairperson of the International Seminar on Halalan Thayyiban Products and Services 2023

SAPPHAT VI 2023

LAUNCHING CEREMONY**6TH INTERNATIONAL SEMINAR ON HALALAN THAYYIBAN
PRODUCTS AND SERVICES
(SAPPHAT VI) 2023**

&

**INTERNATIONAL EXHIBITION ON HALALAN THAYYIBAN
PRODUCTS AND SERVICES 2023***Monday, 5 June 2023 | 16 Zulkaedah 1444**Auditorium Hall**Balai Khazanah Islam Sultan Haji Hassanal Bolkiah*

7.45 am	:	Registration of Participants and Presenters of SAPPCHAT VI 2023
8.45 am	:	Arrival of Guests
9.30 am	:	Arrival of the Guest of Honour Yang Berhormat Pehin Udana Khatib Dato Paduka Seri Setia Ustaz Haji Awang Badaruddin bin Pengarah Dato Paduka Haji Awang Othman Minister of Religious Affairs Negara Brunei Darussalam
9.45 am	:	Recitation of Surah Al-Fatihah
	:	Welcoming Remarks Yang Mulia Pengiran Dr Hajah Norkhairiah binti Pengiran Haji Hashim Director, Halalan Thayyiban Research Centre, UNISSA Co-Chairperson of SAPPCHAT VI 2023
	:	Speech and Official Launching of the 6th International Seminar on Halalan Thayyiban Products and Services (SAPPCHAT VI) 2023 & International Exhibition on Halalan Thayyiban Products and Services by Guest of Honour
	:	Main Keynote Presentation <i>Cabaran Fatwa Kontemporari dalam Menghadapi Produk Makanan dan Kepenggunaan Moden</i> Associate Professor Dato' Dr Mohd Izhar Ariff Mohd Kashim Deputy Dean Networking & Alumni, Faculty of Islamic Studies, Universiti Kebangsaan Malaysia.
	:	Souvenir Presentation
	:	Recitation of Doa Selamat
	:	Coffee Break
	:	Launching of Islamic Calligraphy Exhibition
	:	Visit to Exhibition and Showcase Booths
	:	Ends

SEMINAR PROGRAMME**6TH INTERNATIONAL SEMINAR ON HALALAN THAYYIBAN PRODUCTS AND
SERVICES (SAPPHAT VI) 2023***Monday, 5 June 2023 | 16 Zulkaedah 1444**Balai Khazanah Islam Sultan Haji Hassanal Bolkiah*

		Auditorium Hall (Ground Floor)	Lecture Room (1st Floor)	Meeting Room (1st Floor)	Administration Meeting Room (3rd Floor)
11.00 am	:	Special Presentation			
11.15 am – 12.15 pm	:	Paper Presentation (Session 1)	Paper Presentation (Session 1)	Paper Presentation (Session 1)	Paper Presentation (Session 1)
12.15 pm	:	Lunch Break and Zuhr Prayer			
1.30 pm	:	Keynote Presentation	Paper Presentation (Session 2)	-	-
3.00 – 5.00	:	Visit to Galeri Pameran Balai Khazanah Islam Sultan Haji Hassanal Bolkiah			

*Wednesday, 7 June 2023 | 18 Zulkaedah 1444**Balai Khazanah Islam Sultan Haji Hassanal Bolkiah*

		Auditorium Hall (Ground Floor)	Conference Room (Ground Floor)	Lecture Room (1st Floor)
8.30 am – 10.00 am	:	Keynote Presentation & Special Presentation	Roundtable Discussion	Paper Presentation (Session 3)
10.00 am	:	Coffee Break		
10.30 am – 12.15 pm	:	Keynote Presentation & Special Presentation	Roundtable Discussion	Paper Presentation (Session 4)
12.15 pm	:	Lunch Break and Zuhr Prayer		
1.30 pm	:	Keynote Presentation & Special Presentation	-	-
3.00 pm	:	Closing Ceremony	-	-

SEMINAR PROGRAMME

6TH INTERNATIONAL SEMINAR ON HALALAN THAYYIBAN PRODUCTS AND SERVICES (SAPPHAT VI) 2023

Monday, 5 June 2023 | 16 Zulkaedah 1444

Auditorium Hall

Balai Khazanah Islam Sultan Haji Hassanah Bolksiah

SEMINAR PROGRAMME

- 11.00 am : **Special Presentation**
Indonesia Halal Outlook
Dr Muhammad Aql Irham
Chairman of Halal Product Assurance Organizing Agency
Ministry of Religious Affairs
Republic of Indonesia
- 11.15 am : **Paper Presentation (Session 1)**
- 12.15 pm : **Lunch Break and Zuhur Prayer**

KEYNOTE PRESENTATION

RESEARCH CENTRE FOR ISLAMIC HISTORY, ART AND CULTURE (IRCICA),
REPUBLIC OF TÜRKIYE
IN CONJUNCTION WITH BRUNEI MYCE 2023

Monday, 5 June 2023 | 16 Zulkaedah 1444
Auditorium Hall

Balai Khazanah Islam Sultan Haji Hassanal Bolkiah

-
- 1.30 pm : Registration of Participants and Presenters of SAPPAT VI 2023
- 2.00 pm : **Arrival of Guest of Honour**
His Excellency
Professor Dr Hamit Ersoy
The Ambassador and Plenipotentiary of the Republic of Türkiye
Brunei Darussalam
- : **Recitation of Surah al-Fatihah**
- 2.05 – 2.20 pm : **Keynote Presentation**
Philosophy of Islamic Calligraphy
Professor Dr Mahmud Erol Kiliç
Director General
Research Centre for Islamic History, Art and Culture (IRCICA)
Republic of Türkiye

SEMINAR PROGRAMME

6TH INTERNATIONAL SEMINAR ON HALALAN THAYYIBAN
PRODUCTS AND SERVICES (SAPPAT VI) 2023

Monday, 5 June 2023 | 16 Zulkaedah 1444

Auditorium Hall, Balai Khazanah Islam Sultan Haji Hassanal Bolkiah

-
- 2.20 – 2.35 pm : **Keynote Presentation**
Philosophy of Halal – An Integration of Naqli and Aqli Knowledge
Professor Ts. Dr Sharifudin Md Shaarani
Vice Chancellor
Universiti Sains Islam Malaysia
- 2.35 – 2.50 pm : **Keynote Presentation**
Traceability Systems in the Halal Industry
Ustaz Wan Mohd Asraf Adline bin Wan Draman
Management and Science University
Malaysia
- 2.50 pm : **Certificate Presentation**
- 3.00 – 5.00 pm : **Visit to Galeri Pameran Balai Khazanah Islam**
Sultan Haji Hassanal Bolkiah
- : Photo Session
- : End of Day 1 Programme

SEMINAR PROGRAMME

6TH INTERNATIONAL SEMINAR ON HALALAN THAYYIBAN
PRODUCTS AND SERVICES (SAPPAT VI) 2023

Wednesday, 7 June 2023 | 18 Zulkaedah 1444
Auditorium Hall

Balai Khazanah Islam Sultan Haji Hassanal Bolkiah

-
- 8.30 am : **Registration of Participants and Presenters of SAPPAT VI 2023**
- 9.00 am – 9.15 am : **Keynote Presentation**
The Wisdom of Food & Beverages Prohibition in Islam: from Maqasid al-Shariah Perspective
Associate Professor Dr Moohamad Ropaning Sulong
Halalan Thayyiban Research Centre
Universiti Islam Sultan Sharif Ali
- 9.15 am – 9.30 am : **Special Presentation**
Perceptions towards Halal Medical Devices among Medical Personnel in Thailand
Dr Sufiana Sareesee
Halal Institute
Prince of Songkla University, Thailand
- 9.30 am – 9.45 am : **Special Presentation**
Japan: The Potentially in the Development of the Halalan Toyyiban Product and Service in the Global Standard
Professor Dr Quamrul Hasan
Osaka University
Japan
- 9.45 am – 10.00 am : **Special Presentation**
Effects of Sterilization on Sterility Assurance Level and Antioxidant Activity: in the Case of Thai Halal Curry Paste
Dr Naem Madsari
Halal Institute
Prince of Songkla University, Thailand
- : **Certificate Presentation**
- : **Coffee Break**

- 10.30 am – 10.45 am : **Keynote Presentation**
Dimensi Maqasid Syariah sebagai Parameter Halalan Tayyiban dalam Inovasi Produk Makanan
Profesor Madya To' Puan Dr Nizaita Omar
Faculty of Contemporary Islamic Studies
Universiti Sultan Zainal Abidin, Malaysia
- 10.45 am – 11.00 am : **Keynote Presentation**
Autoriti Wanita Mengawal Selta Pemilihan dan Penyediaan Makanan Halalan Thayyiban dalam Institutsi Keluarga
Pengiran Dr Hajah Norkhairiah binti Pengiran Haji Hashim
Director of Halalan Thayyiban Research Centre
Universiti Islam Sultan Sharif Ali
Negara Brunei Darussalam
- : **Certificate Presentation**
- 12.15 pm : **Lunch Break and Zuhr Prayer**
- 1.30 pm : **Register of Participants and Presenters of SAPPHAT VI 2023**
- 2.00 pm – 2.15 pm : **Keynote Presentation**
Key to Success in Halal: SMIIC and Unified OIC/SMIIC Standards
Mr İhsan Övüt
Secretary General
Standards and Metrology Institute for Islamic Countries (SMIIC)
- 2.15 pm – 2.30 pm : **Special Presentation**
OIC/SMIIC Standards on Halal Issues and Halal Quality Infrastructure
Mrs. Sevdə Özbey
Specialist
Standards and Metrology Institute for Islamic Countries (SMIIC)
- 2.50 pm : **Certificate Presentation**
- 3.00 pm : **Closing Ceremony**
: **Announcement Best Paper Award and Best Presenter Awards**
: **Closing Remarks of SAPPHAT VI 2023**
: Photo Session
: Seminar Ends

PAPER PRESENTATION

**PARALLEL SESSIONS
PAPER PRESENTATION PROGRAMME**

6TH INTERNATIONAL SEMINAR ON HALALAN THAYYIBAN PRODUCTS AND SERVICES (SAPPHAT VI) 2023

*Monday, 5 June 2023 | 16 Zulkaedah 1444
Balai Khazanah Islam Sultan Haji Hassanal Bolkiah*

PAPER PRESENTATION (SESSION 1)

**PAPER PRESENTATION 1
AUDITORIUM HALL (GROUND FLOOR)
MODERATOR: BETANIA KARTIKA**

Time	Paper ID	Presenter	Title
11.15 – 11.30 am	PP021	Betania Kartika	<i>The Importance of Medical Tourism in Halal Industry: Hijamah Practice in Malaysia as a Case Study</i>
11.30 – 11.45 am	PP023	Aisah Bella-Salsa	<i>Halal Lifestyle Entrepreneurship: Concept, Practices, Prospects and Challenges – Social Science</i>
11.45 am – 12.00 pm	PP001	Mustafa Afifi Ab Halim	<i>Consumer Legal Remedy in Halal Food Abuse: A Literature Highlight</i>

**PAPER PRESENTATION 1
LECTURE ROOM (1ST FLOOR)
MODERATOR: FAZERA SOFEA HAJI MAHADI**

Time	Paper ID	Presenter	Title
11.00 – 11.15 am	PP002	Fazera Sofea Hj Mahadi	<i>Logistics and Supply Chain Management in Halal Pharmaceutical Research: A Systematic Literature Review</i>
11.15 – 11.30 am	PP008	Nadzirah Julkipli	<i>Muslim Consumers Knowledge on Production of Halal Meat Products in Brunei Darussalam</i>
11.30 – 11.45 am	PP009	Kyoichiro Sugimoto	<i>Needs Analysis of Halal Matchmaking for Muslim Marriage in Japan</i>
11.45 – 12.00 pm	PP022	Haruna Babatunde Jaiyoabe	<i>The Role of Data-Driven Demand Generation Marketing Strategy in Sustaining Asnaf's Halal Businesses</i>
12.00 – 12.15 pm	PP024	Stephen Sim	<i>An Exploratory Study on Brunei's Tourism Policies to Target Muslim Tourists from the US and Australian Markets</i>

**PAPER PRESENTATION 1
MEETING ROOM (1ST FLOOR)
MODERATOR: MUHAMMAD IRHAMMUDIN BIN IBRAHIM**

Time	Paper ID	Presenter	Title
11.00 – 11.15 am	PP032	Rawi Syzawi Ratino	<i>Case Study: Sustainable Waste Management of Livestock Farms in Brunei Darussalam</i>
11.15 – 11.30 am	PP015	Nur Lianna Izzaty	<i>Halal Tourism: Discovering the importance of Muslim-friendly tour guide services</i>
11.30 – 11.45 am	PP018	Muhammad Irhammudin bin Ibrahim	<i>Synergising Halal Education Stakeholders' Administration and Governance in Malaysia</i>
11.45 – 12.00 pm	PP033	Ajda Azhani Haji Abdul 'Aziz	<i>Consumer's Purchasing Behaviour on Halal Skincare: A Case Study on Brunei Darussalam's Youth</i>
12.00 – 12.15 pm	PP010	Sadath Abdul Salam	<i>Roles of Islamic Shariah Scholars in the Halal Assurance System</i>

**PAPER PRESENTATION 1
ADMINISTRATION MEETING ROOM (3RD FLOOR)
MODERATOR: SITI NUR AZIZAH**

Time	Paper ID	Presenter	Title
11.00 – 11.15 am	PP013	Siti Nur Azizah	<i>Does Pesantren Economic Independence Strengthen the Halal Value Chain Ecosystem? Evidence from the Economic and Business Association of Pesantren (Hebitren) in Indonesia</i>
11.15 – 11.30 am	PP013	Jeihan Ali Azhar	<i>Does Pesantren Economic Independence Strengthen the Halal Value Chain Ecosystem? Evidence from the Economic and Business Association of Pesantren (Hebitren) in Indonesia</i>
11.30 – 11.45 am	PP034	Siti Nur Affina Halid Khan	<i>Adventurous and Conservative: Muslim Consumers' Lifestyle on Purchasing Muslim Friendly Food in Japan</i>
11.45 – 12.00 pm	PP036	Azera Nasoha Azman	<i>Suicidology in Shariah Perspective with an Emphasis on the Causes and Preventive Measures through Halal Lifestyle</i>
12.00 – 12.15 pm	PP016	Hassan Abd Afees Olanrewaju	<i>The Fiqh of Halal Products and Services in the Light of the Objectives of Shariah: A Conceptual Outlook</i>

PARALLEL SESSIONS
PAPER PRESENTATION PROGRAMME

6TH INTERNATIONAL SEMINAR ON HALALAN THAYYIBAN
PRODUCTS AND SERVICES (SAPPHAT VI) 2023

Monday, 5 June 2023 | 16 Zulkaedah 1444
Balai Khazanah Islam Sultan Haji Hassanal Bolkiah

PAPER PRESENTATION (SESSION 2)

PAPER PRESENTATION 2
LECTURE ROOM (1ST FLOOR)
MODERATOR: NURUL FARHANA HAMDAN

Time	Paper ID	Presenter	Title
1.45 – 2.00 pm	PP031	Muhammad Na'eem Syafiq Haji Anuar	<i>Halal Permit Application: Willingness among Food Producers under the O'VOP Program in Temburong District</i>
2.00 – 2.15 pm	PP004	Nurul Farhana Hamdan	<i>Revealing the Epistemology of Halal Science: According to verses of Al-Quran and Islamic Philosophers</i>
2.15 – 2.30 pm	PP029	Nur'amalina @ Nur'azizah binti Yusof	<i>Hubungan Pemakanan Halalan Thayyiban dengan Kesihatan</i>
2.30 – 2.45 pm	PP035	Dk Amal Habriyatulain Pg Asmadi	<i>The Benefits of Eating Prophetic Foods in Achieving a Halal Lifestyle</i>

PARALLEL SESSIONS
PAPER PRESENTATION PROGRAMME

6TH INTERNATIONAL SEMINAR ON HALALAN THAYYIBAN
PRODUCTS AND SERVICES (SAPPHAT VI) 2023

Wednesday, 7 June 2023 | 18 Zulkaedah 1444
Lecture Room, 1st Floor,
Balai Khazanah Islam Sultan Haji Hassanal Bolkiah

PAPER PRESENTATION (SESSION 3)

PAPER PRESENTATION 3
LECTURE ROOM (1ST FLOOR)
MODERATOR: IZMAN TARIP

Time	Paper ID	Presenter	Title
8.30 – 8.45 am	PP003	Aiman Samhani Abdul Halim	<i>Consumers' Perception on Issuing Brunei Halal Logo to the Local Cosmetic Products</i>
8.45 – 9.00 am	PP006	Siddique Azam	<i>Validation of Best Halal Compliance Practices Model for Halal Certified Restaurants</i>
9.00 – 9.15 am	PP007	Izman Tarip	<i>Theorizing Islamic Entrepreneurship from an Islamic Governance Perspective</i>
9.15 – 9.30 am	PP011	Siti Nabilah binti Haji Husin	<i>Halal Permit Procedure and Regulations for Local and Imported Cosmetic Products in Brunei Darussalam: A Critical Literature Review</i>
9.30 – 9.45 am	PP012	Siti Nazerah binti A. Haini/Zalanni	<i>The Implications of Halal Audit Procedure in Assuring the Safety and Quality of Local and Imported Halal Meat Products</i>
9.45 – 10.00 am	PP017	Hajah Siti Norhafizah Haji Zulkamain	<i>Implementation of Halal Assurance Management System for SMEs for Halal Certification in Brunei Darussalam</i>
10.00 – 10.15 am	PP027	Nor Surilawana Sulaiman	<i>Halal Assurance Management System Implementation among Online Food Businesses in Brunei</i>

PARALLEL SESSIONS
PAPER PRESENTATION PROGRAMME

**6TH INTERNATIONAL SEMINAR ON HALALAN THAYYIBAN
 PRODUCTS AND SERVICES (SAPPHAT VI) 2023**

Wednesday, 7 June 2023 | 18 Zulkaedah 1444

Lecture Room, 1st Floor,

Balai Khazanah Islam Sultan Haji Hassanal Bolkiah

PAPER PRESENTATION (SESSION 4)

**PAPER PRESENTATION 4
 LECTURE ROOM (1ST FLOOR)**

MODERATOR: WAN SYIBRAH HANISAH WAN SULAIMAN

Time	Paper ID	Presenter	Title
10.30 – 10.45 am	PP014	Suryati Syafri	<i>Red Ginger Oil as Halal Wound Healing Agents</i>
10.45 – 11.00 am	PP020	Zaleha Kassim	<i>Halalan Thayyiban in Aquaculture – A Case Study on Parasite in Hatchery</i>
11.00 – 11.15 am	PP025	Nursyafica Nadia Johari	<i>Algae as an Ecological Indicator in Creating a Sustainable and Ecological Environment</i>
11.15 – 11.30 am	PP026	Ainaa Eliah Abu Bakar	<i>Antimicrobial Activities of Curcumin Extracted from Selected Zingiberaceae Species as Potential Halal Active Pharmaceutical Ingredient</i>
11.30 – 11.45 am	PP028	Wan Syibrah Hanisah Wan Sulaiman	<i>Algae Carotenoid Pigments as New Sources of Halal Bioactive Ingredients</i>
11.45 – 12.00 pm	PP030	Titi Mutiara Kirnawati	<i>Utilization of Moringa Leaves as a dye (Safe, Healthy, and Halal) for school children's snacks</i>

ROUNDTABLE DISCUSSION

SEMINAR PROGRAMME

6TH INTERNATIONAL SEMINAR ON HALALAN THAYYIBAN PRODUCTS AND SERVICES (SAPPHAT VI) 2023

Wednesday, 7 June 2023 | 18 Zulkaedah 1444
Conference Room

Balai Khazanah Islam Sultan Haji Hassanal Bolkiah

- 8.00 - 8.30 am : **Registration of Participants**
- 8.30 – 8.40 am. : **Recitation of Surah al-Fatihah**
- 8.40 – 10.00 am : **Roundtable Discussion Topic 1**
Cultured Meat: Community Acceptance as an Alternative Source of Materials in the Halal Industry

Chairman:

Associate Professor Dr Shahril Ahmad Razimi
Fakulti Pendidikan Sains Kemasyarakatan
Kolej Universiti Perguruan Ugama Seri Begawan
Negara Brunei Darussalam

Moderator:

Abang Md Masrur bin Abang Haji Zainuddin
Head of Halal Enforcement Section
Halal Food Control Division
Department of Shariah Affairs
Ministry of Religious Affairs

- 10.00 – 10.15 am : **Coffee Break**
- 10.15 – 11.25 am : **Roundtable Discussion Topic 2**
Guidance for Consumers on Selecting Sugar in the Market, Considering the Usage of Bone Char in Sugar Bleaching/Whitening Process.

Chairman:

Associate Professor Dr Nurdeng Deuraseh
Halalan Thayyiban Research Centre
Universiti Islam Sultan Sharif Ali
Negara Brunei Darussalam

Moderator:

Abang Md Masrur bin Abang Haji Zainuddin
Head of Halal Enforcement Section
Halal Food Control Division
Department of Shariah Affairs
Ministry of Religious Affairs

- 11.25 – 11.35 : **Results of Roundtable Discussion Topic 1 and Topic 2**
- 12.15 pm : **Ends**

TOUR PROGRAMME

TOUR PROGRAMME

6TH INTERNATIONAL SEMINAR ON HALALAN THAYYIBAN PRODUCTS AND SERVICES (SAPPHAT VI) 2023

Tuesday, 6 June 2023 | 17 Zulkaedah 1444

4.30 am	:	Arrival of Speakers and Participants at Jame Asr Hassanil Bolkih Mosque	
4.43 am	:	Solat Subuh berjemaah	
	:	Tazkirah Subuh Dr Haji Adanan bin Haji Basar Ra'es Kolej Universiti Perguruan Ugama Seri Begawan Brunei Darussalam	
	:	Breakfast at Jame 'Asr Hassanil Bolkih Mosque	
7.00 am	:	Departure from Jame 'Asr Hassanil Bolkih Mosque	
7.45 am	:	Visit to Royal Brunei Culinary, Lambak Kanan West Industrial, Jalan Utama Berakas (limited to 50 slots only)	
10.30 am	:	[Group 1] Arrival of guests at Pusat Makmal Sainifik Ibnu Sina, UNISSA	[Group 2] Arrival of guests and participants at PDS Abbatoir Bhd Tapak Perusahaan Rumah Penjualan, Kg Batang Mitus, Mukim Kiudang, Daerah Tutong. (limited to 20 slots only) Briefing, tour and demonstration
12.00 pm	:	Lunch & Zohor prayer at Pengiran Anak Haji Mohamed Alam Mosque, Kg Sengkarai	
1.00 pm	:	Arrival at Islamic Calligraphy and Arts Studies Centre for Jawi writing demonstration and workshop	
3.45 pm	:	Asr Prayer at Omar 'Ali Saifuddin Mosque	
4.30 pm	:	Proceed to Kg Ayer River Cruise Tour & Afternoon Tea	
	:	Afternoon stroll at Taman Mahkota Jubli Emas	
	:	Free and Easy	
	:	End of Day 2 programme	

ABSTRACTS

PP028 ALGAE CAROTENOID PIGMENTS AS NEW SOURCES OF HALAL BIOACTIVE INGREDIENTS

Wan Sybriah Hamisah Wan Sulaiman^{1*}, Haslin Hamani Md Zaini², Rashidi Othman², Nur Hanis Mohd Latif², Farah Ayuni Mohd Hatta³ and Razanah Ramya⁴

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ABSTRACT

Halal Active Pharmaceutical Ingredient (API) is a substance used in a finished pharmaceutical product, intended to furnish pharmacological activity or contribute direct effect in the diagnosis, cure, mitigation, treatment or prevention of disease. It also provides a direct effect in restoring, correcting or modifying physiological functions in human beings. Microalgae, which are single-celled microorganisms, are considered to be a rich source of diverse bioactive molecules. They play a vital role in the aquatic food chain as primary producers and can store complex organic compounds in their bodies, which can be released with the help of sunlight. Microalgae have evolved distinctive metabolic pathways, resulting in the production of remarkable secondary metabolites and unique structures that differ from those found in superior plants. Due to the high structural diversity of pigments, microalgae have the potential to produce pharmacologically valuable compounds, making them a promising source of bioactive molecules. This study aimed to examine the carotenoid pigmentation profiling from selected microalgae species subjected to different culture conditions. The methods involve microalgae cell culture mass production, carotenoid sample extraction and HPLC analysis. The findings revealed that the composition and amount of carotenoids differ according to the microalgae species. Genetic factors appear to be a crucial factor in categorizing these species based on their individual carotenoids' accumulation. In short, selecting the appropriate species with the ability to accumulate carotenoids is important in determining the sources of pigments for halal bioactive ingredients or for commercial purposes, particularly in the halal market.

Keywords: Halal Bioactive Ingredient, Halal Market, Halal Pigment, Halal Product, Microalgae