



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

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

	Auditorium Hall (Ground Floor)	Lecture Room (1 <sup>st</sup> Floor)	Meeting Room (1 <sup>st</sup> Floor)	Administration Meeting Room (3 <sup>rd</sup> Floor)
11.00 am	Special Presentation	Paper Presentation (Session 1)	Paper Presentation (Session 1)	Paper Presentation (Session 1)
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 (1 <sup>st</sup> 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

### 6<sup>TH</sup> 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*

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# 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

6<sup>TH</sup> 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

6<sup>TH</sup> 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 Thayyiban 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 Institusi 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**

**6<sup>TH</sup> 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 (1<sup>ST</sup> 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 (1<sup>ST</sup> 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 (3<sup>RD</sup> 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

6<sup>TH</sup> 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 (1<sup>ST</sup> 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

6<sup>TH</sup> INTERNATIONAL SEMINAR ON HALALAN THAYYIBAN  
PRODUCTS AND SERVICES (SAPPHAT VI) 2023

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

PAPER PRESENTATION (SESSION 3)

PAPER PRESENTATION 3  
LECTURE ROOM (1<sup>ST</sup> 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. Hanni 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**

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

*Wednesday, 7 June 2023 | 18 Zulkaedah 1444*

*Lecture Room, 1<sup>st</sup> Floor,*

*Balai Khazanah Islam Sultan Haji Hassanal Bolkiah*

**PAPER PRESENTATION (SESSION 4)**

**PAPER PRESENTATION 4**  
**LECTURE ROOM (1<sup>ST</sup> 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

### 6<sup>TH</sup> 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

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- 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

### 6<sup>TH</sup> 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 Bolkia Mosque
4.43 am	:	Solat Subuh berjemaah
	:	<b>Tazkirah Subuh</b> Dr Haji Adanan bin Haji Basar Ra'es Kolej Universiti Perguruan Ugama Seri Begawan Brunei Darussalam
	:	Breakfast at Jame 'Asr Hassanil Bolkia Mosque
7.00 am	:	Departure from Jame 'Asr Hassanil Bolkia 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 Saintifik Ibnu Sina, UNISSA
	:	[Group 2] Arrival of guests and participants at PDS Abbatoir Bhd Tapak Perusahaan Rumah Penyembelihan, 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 Saifuddien 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

## PP025 ALGAE AS AN ECOLOGICAL INDICATOR IN CREATING A SUSTAINABLE AND ECOLOGICAL ENVIRONMENT

Nursyafica Nadia Johari<sup>1\*</sup>, Rashidi Othman<sup>1</sup>, Muhammad Hanafi Ismail<sup>1</sup>, Wan Syibrab Hanisah Wan Sulaiman<sup>2</sup>, Nur Hanie Mohd Latif<sup>3</sup>, Farah Ayuni Mohd Hatta<sup>3</sup> and Razanah Ramya<sup>4</sup>

<sup>1</sup>Department of Landscape Architecture, Kulliyah of Architecture & Environmental Design, International Islamic University Malaysia, Jalan Gombak, 53100 Kuala Lumpur, Malaysia

<sup>2</sup>International Institute for Halal Research and Training (INHART), International Islamic University Malaysia, Jalan Gombak, 53100 Kuala Lumpur, Malaysia

<sup>3</sup>Institute of Islam Hadhari, The National University of Malaysia, Bangi, Selangor Darul Ehsan, Malaysia

<sup>4</sup>Institute of the Malay World and Civilization, The National University of Malaysia, Bangi, Selangor Darul Ehsan, Malaysia

\*Corresponding Author

[syaficanadia@gmail.com](mailto:syaficanadia@gmail.com)

### ABSTRACT

Environmental problems, including global warming and climate change widely acknowledged as one of the top global threats with far-reaching consequences. Despite the importance of decreasing CO<sub>2</sub> emissions or developing carbon-free energy sources, carbon sequestration should be a key issue since the amount of carbon dioxide that already exists in the atmosphere is great enough to cause global warming. Algae can fix carbon dioxide 10-50 times more than other terrestrial plants. It also has a rapid growth and multiplying rate much greater than higher plants. The study is aimed to explore algae characteristics and behaviour as potential ecological indicators and sequester agents for an unhealthy environment in an urban context. It was conducted by cultivating algae in controlled environments, which include different formulations, photoperiod and pH. Then, the selected species of algae will be evaluated and compared for their efficiency as potential carbon sequestration agents and lastly, to identify the colour changes of the algae that indicate the surrounding environment. These algae will be optimized and applied in landscape ecological design as phycocolor indicator and as a phycosequestration. Besides being a marker in creating a sustainable and ecological environment, it could help reduce the planet's natural impact by employing biological and sustainable initiatives that is aligned with the objectives of *maqasid shariah*. The principle of *Al Darra Yucal* is very close to prevent all kind of harm in order to protect human live, wealth as well as future environment for next generation as what is being concluded in objectives of *shariah*.

**Keywords:** *Ecological Indicator, Environment, Maqasid shariah, Al Darra Yucal, Carbon Sequestration*