



# PROGRAM BOOK

## The 3<sup>rd</sup> International Conference on Sustainable Innovation 2019 (ICoSI)



### Focal Conferences

- ✓ ISHERSs (International Symposium on Social Sciences, Humanities, Education, and Religious Studies)
- ✓ ISETH (International Symposium on Engineering, Technology, and Health Sciences)
- ✓ ICoSA (International Conference on Sustainable Agriculture)
- ✓ ICoELTICs (International Conference on English Language Teaching, Literature & Linguistics)
- ✓ ICIEFI (International Conference on Islamic Economics and Financial Inclusion)
- ✓ ISCEIE (International Symposium on Civil, Environmental, and Infrastructure Engineering)
- ✓ ICONURS (International Conference on Nursing)
- ✓ ASIAN COL (Asian Conference on Comparative Laws)
- ✓ ICISDE (International Conference on Islamic Studies in the Digital Era)



**Universitas Muhammadiyah Yogyakarta**  
Jl. Brawijaya, Kasihan, Bantul, Yogyakarta 55183, Indonesia

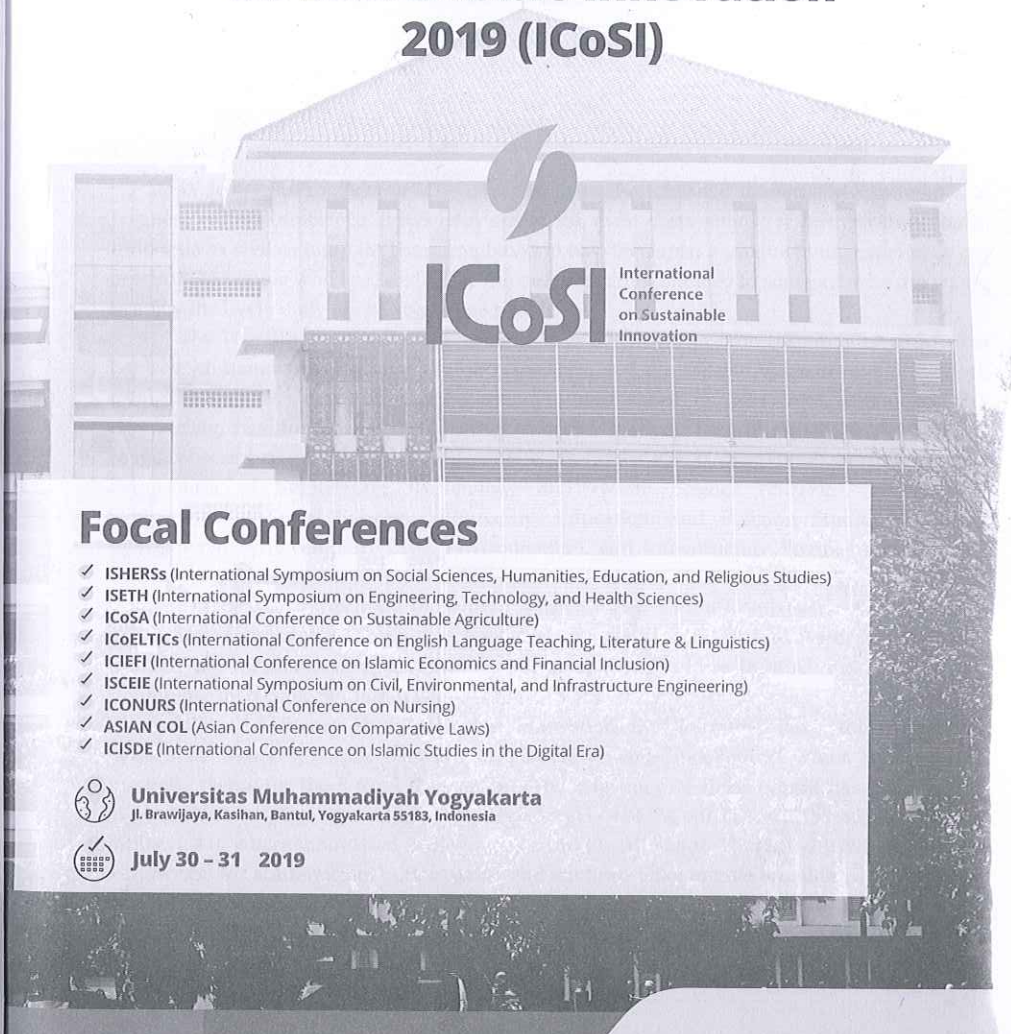


**July 30 - 31 2019**



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 **Universitas Muhammadiyah Yogyakarta**  
Jl. Brawijaya, Kasihan, Bantul, Yogyakarta 55183, Indonesia

 **July 30 - 31 2019**

## Preface by the Chairman of the Third ICoSI 2019



Assalamu'alaikum wr.wb.,

Dear Participants,

Welcome to Yogyakarta. The city with a well-established learning environment and Javanese cultural ambience. It has been one of the main destinations for further education in Indonesia as well as tourism. Those combination has developed a unique living experience not only for the people who are seeking for the best education but also to someone who are trying to enjoy the lively daily life of Yogyane people.

The Third International Conference on Sustainable Innovation (ICoSI) 2019 which was held by Muhammadiyah University of Yogyakarta is a remarkable work of scientific effort, trying to serve as a scientific showcase of a vast range of field from technology and engineering, health sciences and nursing to social sciences, law, humanity, education and religious sciences composing 9 focal conferences under the ICoSI. Those are International Symposium of Engineering, Technology and Health Science (ISETHS), International Symposium of Social Science, Humanity, Education, and Religion Studies (ISHERS), International Symposium of Civil, Environmental, and Infrastructure Engineering (ISCEIE), International Conference of Islamic Economic and Finance Inclusion (ICIEFI), International Conference of Nursing Science (ICoNurs), Asian Conference on Comparative Laws (ASIAN COL), International Conference on English Language Teaching, Literature & Linguistics (ICoELTics), International Conference on Sustainable Agriculture (ICoSA) and International Conference on Islamic Studies in Digital Era (ICISDE).

With the theme of "Sustainable Innovation in Disruptive Era", this conference established two key points, namely "sustainability" and "innovation" which served as an umbrella theme for the 9 focal conferences. The relevancy of those words has taken into a more prominent place, nowadays, with the emergence of the current issue of sustainability in industry 4.0, where innovation is playing as a prominent factor. That lifted itself up to act as a showcase for academician, policy maker and students alike to give broaden perspectives of how to keep innovative in this disruptive era. At this point, ICoSI 2019 is also a prove of significant sustainability from the previous conference in 2014 with the theme of "Technology

and innovation challenges in natural resources and built environment management for humanity and sustainability”.

The supports of the focal conference led to the massive participation and successfully produce 842 full paper and 967 participants involving sixteen country (Australia, Germany, India, Japan, Malaysia, New Zealand, Norway, Paksitan, Philippines, Singapore, Sudan, Taiwan, Thailand, Turkiye, US, and Spain). Indeed, the richness of works presented has also meant the difficulty in the organization of the whole event. The complexity of the work can also be found in the selection process of the articles. Nevertheless, as can be seen from the articles, the quality of the works is still unquestionable.

As the conference chairperson, I realize that the success of the conference depends on, first of all and unquestionably, Allah SWT, and certainly many people who have worked hard in planning and organizing the conference with us. Therefore, I would like to express my gratitude to the Steering committee and Organizing committee members who have worked extremely hard for the details and important aspects of the conference. I would also like to extend my gratitude to the Scientific committee who have done extraordinary work reviewing and providing constructive feedbacks for the abstracts and full papers from our participants. Last but not least, our gratitude also goes to the sponsors and co-host for their contribution to our conference.

I wish everyone a successful conference, a pleasant stay in the cultural city of Yogyakarta, and a success in every step of our lives.

Wassalamu'alaikum wr.wb.

Chairman of The Third ICoSI 2019

dr. Iman Permana, M.Kes., Ph.D

## Welcome Remarks by Rector of Universitas Muhammadiyah Yogyakarta



*"The best research is nothing without publication. The world-famous researcher can produce the best research but means nothing without sharing it to the world."*

In the past seven years, we have successfully organized the International Conference on Sustainable Innovation (ICoSI). ICoSI highlighted the importance of scientific innovation to sustain the life of the human race, preserve humanity, and strengthen our civilization through the power of knowledge, science, and wisdom. We believe that the future of our culture and civilization should be underpinned and sustained, not only by robust scientific discoveries but also the principles of humanity.

Initially, ICoSI had been successfully served as a forum within which scholars and researchers from two main polar of field of researches were met and shared their researches and ideas: social and technological sciences. The first ICoSI was held in 2012 and followed by the second in 2014. Currently, we are expanding the scope of the Third ICoSI 2019 to various field of researches ranges from technology and engineering to medical, nursing and social, education, humanity and religious studies. With more than eight hundreds of papers from different countries across Asia, Africa, Europe, Australia, and the United States, we are very proud that the two-day conference has been able to serve as a platform for invited respected scholars who have contributed to the body of knowledge in different academic fields, as well as to facilitate young researchers, senior lecturers, and even experienced policymakers to share perspectives, key issues, and research findings. It provides a best venue in the best place in Indonesia to share ideas, concepts, and of course, networking among academicians, practitioners, researchers, and people with the same interest alike, not only from Indonesia, but also internationally.

Since its inception in 1983, Universitas Muhammadiyah Yogyakarta (UMY) has been committed to promote the spirit of the Muhammadiyah movement in developing knowledge and technology as well as in fostering the welfare of the human beings based on the Islamic values. With the vision "To Be a Leading University Through Developing the Knowledge and Technology Based on the Islamic Values to Contribute a Proper Society", Universitas Muhammadiyah Yogyakarta has been recognized as the 24<sup>th</sup> best universities in Indonesia and the 4<sup>th</sup> best private universities according to the UniRank in 2019 (<https://www.4icu.org/id/>).

We believe that maintaining national and international leverage is important for us to establish our existence and without questions conferences and scientific and academic publications are the great vehicles to reach that goal. In the past ten years, UMY has organized a wide range of academic activities: learning process, research, scholarly publication, and community development projects. Indeed, with almost 500 publications were published in the Scopus indexed publications so far (<http://sinta2.ristekdikti.go.id/affiliations/detail?id=1872&view=overview>), we are still striving to put ourselves better. Alhamdulillah, from 2013 to 2018, our publications were increasing 6 times higher.

Finally, I personally and on behalf of UMY as the host of the third ICOSI 2019 welcome all participants and thank you for your great participation. We do our best endeavors to organize the conference and expect that everyone can reach their goals: publishing their papers in the most excellent academic publishers. Not only that, we also try to provide a wonderful and great experience for all participants to a more cultural and social ambience of Yogyakarta. For sure, Yogyakarta, with its vibrant culture, provides you not only with many unforgettable cultural events and touristic spots but also with the friendly atmosphere and generous people. *Sugeng rawuh* and enjoy the fabulous Yogyakarta.

Yogyakarta, July 30, 2019

Rector of Universitas Muhammadiyah Yogyakarta

Dr. Gunawan Budiyo

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1<sup>st</sup> INTERNATIONAL CONFERENCE ON ISLAMIC STUDIES IN  
THE DIGITAL ERA (ICISDE)

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**Speakers**

INTERNATIONAL CONFERENCE ON ISLAMIC STUDIES IN THE DIGITAL ERA  
(ICISDE)



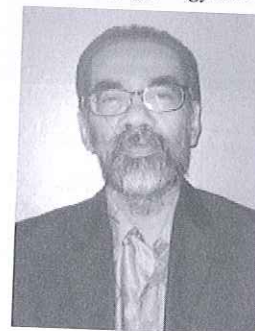
**Martin Slama**  
Austrian academy of science OAW  
institut for sosial anthropology,  
Austria

Martin Slama is a researcher at the Institute for Social Anthropology, Austrian Academy of Sciences. Research regeneration of Hadramaut in Indonesia. Emiritus Professor of the Comparative Study of Contemporary Muslim Societies, Utrecht University, Netherland. He has extensive fieldwork experience in Indonesia conducting research on young internet users (for his PhD), on diasporic Hadhrami-Arab communities (post-doc), and currently he focuses on Indonesian Muslims' uses of social media.



**Prof. M. Amin Abdullah**  
UIN Sunan Kalijaga, Yogyakarta

Prof. M. Amin Abdullah is a philosopher, scientist, hermeneuticist and Indonesian Muslim scholar. He served as Chancellor of the State Islamic University of Sunan Kalijaga Yogyakarta for two periods (2005-2010) and was also active in the Muhammadiyah organization with the highest position as Deputy Chairperson of the Muhammadiyah Central Leadership (2000-2005). Amin currently serves as Chair of the Commission for Culture in the Indonesian Academy of Sciences



**Assoc. Prof. Dr. Che Mahzan Ahmad**  
Kasetsart University, Thailand

Dr. Che Mahzan Ahmad Diploma, University of Sheffield Bachelor in Creative & Descriptive Writing. Bachelor Degree, Universiti Malaya (UM) M.Sc. Masters Degree, Universiti Pertanian Malaysia (UPM) Ph.D in Communication, and Doctor of Philosophy, University of Sheffield. Interest with Communication Research



## Program Schedule

### INTERNATIONAL CONFERENCE ON ISLAMIC STUDIES IN THE DIGITAL ERA (ICISDE)

Day 1 : Tuesday 30<sup>th</sup> July 2019

Time	Event	Venue
11.30 - 13.00 WIB	Lunch and Prayer	All Participants Sportorium UMY Prayer at UMY Mosque
13.00 - 13.10 WIB	Registration	Committe AR B 4 <sup>th</sup> floor
13.10 - 15.00 WIB	Parallel Session 1	All Paper Presenters ICISDE AR B 4 <sup>th</sup> Floor 1. Room B401 2. Room B402 3. Room B403
15.00 - 15.30 WIB	Coffee Break	All Participants AR B 4 <sup>th</sup> Floor Room B405
	Prayer	All Participants AR A 5 <sup>th</sup> Floor
15.30 - 17.30 WIB	Parallel Session 2	All Paper Presenters ICISDE AR B 4 <sup>th</sup> Floor 1. Room B401 2. Room B402 3. Room B403
18.30 - 21.00 WIB	GALA DINNER	All participants of ICoSI 2019 Sportorium UMY

Day 2 : Wednesday 31<sup>th</sup> July 2019

Time	Event	Venue
08.00 - 08.30 WIB	Registration Plenary Session	AR B 5 <sup>th</sup> Floor
08.30 - 09.00 WIB	Coffee Break	AR B 4 <sup>th</sup> Floor All Room / AR A 1 <sup>th</sup> Floor
09.00 - 09.20 WIB	Opening Ceremony	
	Patria Hanung Jaya S.Pd M.A	

Day 2 : Wednesday 31<sup>th</sup> July 2019

Time	Event	Venue
	Reciting Al-Qur'an	
	Muhammad Risydan	
	Indonesia Raya and Mars Muhammadiyah	
	Dirigen : Amy Istiqlala	
09.20 - 09.30 WIB	Welcoming Speech by Chairperson	AR B 5 <sup>th</sup> Floor
	M. Syifa Amin Widigdo, Ph.D	
09.30 - 11.30 WIB	Plenary Session	
	Dr. Martin Slama	
	Institut for Social Anthropology, Austrian Academy of Sciences, Theme : "Social Media and the Construction of Islamic Authority in Indonesia"	
	Assoc. Prof. Dr. Che Mahzan Ahmad	
	Kulliyah of Islamic Revelead and Human, International Islamic Universirty Malaysia (IIUM), Malaysia	
	Theme : "Re-sacralization of communication studies in Malaysia"	
	Prof. Dr. H. Muhammad Amin Abdullah	
	Universitas Islam Negeri Sunan Kalijaga Yogyakarta Indonesia	
	Theme : "Islamic Studies In The Digital Era : Exploring Continuities and Future Possibilities" Moderator : Hilman Latief, Ph.D	
11.30 - 11.40 WIB	Closing ICISDE	
	Patria Hanung Jaya S.Pd M.A	
11.40 - 13.00 WIB	Lunch and Prayer	AR B 4 <sup>th</sup> Floor All Room / AR A 1 <sup>th</sup> Floor
14.30 - 16.00 WIB	Closing Ceremony & Best Paper Awarding	Sportorium UMY

PARALLEL SESSION

Tuesday, July 30<sup>th</sup> 2019 (Day 1)

Room I (B 401)

Pukul : 13.00 – 15.00 WIB

Session Chair

Dr. Misnen Ardiansyah,  
S.E,MSI,Akt

Time	Title	Authors
13.10 – 13.25 WIB	<b>ABS 99</b> <i>Muslim Millennials Consumption Behavior on Instagram: an Islamic Economics Perspective</i>	Safaah Restuning Hayati, <i>Universitas Muhammadiyah Yogyakarta</i> Abraham Zakky Zulhazmi, <i>Institut Agama Islam Negeri Surakarta</i>
13.25-13.40 WIB	<b>ABS 102</b> <i>Islamic Microcredit-Based Financing Analysis: a Study of Islamic Banking in the Special Region of Yogyakarta</i>	Syah Amelia Manggala Putri, <i>Universitas Muhammadiyah Yogyakarta</i> Eka Jati R. Firmansyah, <i>PT Bank BRI Syariah TBK Auxiliary Branch Office of Pasuruan</i> Safaah Restuning Hayati, <i>Universitas Muhammadiyah Yogyakarta</i>
13.40 – 13.55 WIB	<b>ABS 915</b> <i>The Development of Fiqh al-Muamalat in Indonesia; An Intellectual History Perspective</i>	Mukhlis Rahmanto, <i>Universitas Muhammadiyah Yogyakarta</i>
13.55 – 14.10 WIB	<b>ABS 985</b> <i>Deemed consent in Islamic contract: Shariah Analysis and Application in Islamic Banks</i>	Muhammad Izzam Bin Mohd. Khazar, <i>Maybank Islamic Berhad, Malaysia</i> Muhammad Muzzammil Bin Abdullah, <i>Maybank Islamic Berhad, Malaysia</i> Nik Azizu Bin Nik Abdullah, <i>Maybank Islamic Berhad, Malaysia</i>
14.10 – 14.25 WIB	<b>ABS 1214</b> <i>Analysis Of Measurement Indicators Of Members' Cooperative Literacy In Islamic Savings-Loan And Financing Cooperatives (KSPPS)</i>	Amelia Pratiwi, <i>Universitas Muhammadiyah Yogyakarta</i> Fauziah Rahmah, <i>Universitas Muhammadiyah Yogyakarta</i>
14.25 – 14.40 WIB	<b>ABS 918</b> <i>Increasing the Role of Zakat Institutions in Poverty Reduction through Productive Zakat Programmes in Indonesia</i>	Sutrisno, <i>Universitas Muhammadiyah Yogyakarta</i> Razali Haron, <i>Internasional Islamic University Malaysia</i>
14.40 – 14.55 WIB	<b>ABS 1155</b> <i>Islamic Faith Challenges In The Digital Era</i>	Syaifulloh Yusuf, <i>Universitas Islam Indonesia, Yogyakarta</i> Kurniawan Dwi Saputra, <i>Universitas Islam Indonesia, Yogyakarta</i>

Time	Title	Authors
Room I (B 401)	Pukul : 15.30 – 17.00 WIB	Session Chair Dr. H. Syafiq Mahmadah Hanafi, M. Ag. (to be confirmation)
15.30 – 15.45 WIB	<b>ABS 1057</b> <i>Synergizing Between Progressive Values and Social, Emotional, Spiritual Intelligence In Islamic Education In The Digital Era</i>	Yunita Furi Aristyasari, <i>Universitas Muhammadiyah Yogyakarta</i>
15.45 – 16.00 WIB	<b>ABS 1440</b> <i>Significance of Islamic Financial Literacy among Women Entrepreneurs: An Analytical Study from an Islamic Perspective</i>	Asst. Prof. Dr Raudlotul Firdaus Fatah Yasin, <i>International Islamic University Malaysia</i> , Assoc. Prof. Dr Salina Kassim, <i>International Islamic University Malaysia</i> , Assoc. Prof. Dr Mek Wok Mahmud, <i>International Islamic University Malaysia</i> , Aulia Arifatu Diniyya, <i>International Islamic University Malaysia</i>
16.00 – 16.15 WIB	<b>ABS 1401</b> <i>The Nexus Between Innovation and Economic Growth: The Role of Foreign Direct Investment</i>	Nguyen Tran Thai Ha, <i>Asia University</i> M. Sobar Johari, <i>Universitas Muhammadiyah Yogyakarta</i> Le Thi Hong Anh, <i>University of Economics Ho Chi Minh City, Vietnam.</i>
16.15 – 16.30 WIB	<b>ABS 1472</b> <i>The Influence of Sharia Compliance and Islamic Corporate Governance on Banks For The Period 2013-2017</i>	Andri Iswanto, <i>Universitas Muhammadiyah Yogyakarta</i> Andri Martiana, <i>Universitas Muhammadiyah Yogyakarta</i>
16.30 – 16.45 WIB	<b>ABS 1173</b> <i>Challenges In The Digital Economy Era of Muslim MSME's Organic Products in Malang City</i>	Sri Muljaningsih, <i>Universitas Brawijaya</i> Dyah Pikanti Diwanti, <i>Universitas Muhammadiyah Yogyakarta</i>
16.45 – 17.00 WIB	<b>ABS 692</b> <i>Building Character of Sharia-Based Human Resources as Significant Component in Facing ASEAN Economic Community (MEA)</i>	Dyah Pikanti Diwanti, <i>Universitas Muhammadiyah Yogyakarta</i>

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13.10 – 13.25 WIB	<b>ABS 148</b> <i>The Usage of Gadgets for Religious Activities among Muslim Teenagers in Yogyakarta</i>	Twediana Budi Hapsari, <i>Universitas Muhammadiyah Yogyakarta</i> Rhafidilla Vebrynda, <i>Universitas Muhammadiyah Yogyakarta</i>
13.25-13.40 WIB	<b>ABS 1049</b> <i>Pseudo Symbiosis Between Religion And Politics .</i>	Sukarman, <i>Universitas Nu Jepara</i>
13.40 – 13.55 WIB	<b>ABS 1413</b> <i>Translating the Holy Quran: Tools and Resources for translators in the Digital Era</i>	Akmal Khuzairy bin Abd Rahman, <i>International Islamic University Malaysia</i>
13.55 – 14.10 WIB	<b>ABS 986</b> <i>Shariah Guideline on Value-based Intermediation Scorecard in the Light of Maqasid Shariah Analysis</i>	Muhammad Izzam Mohd Khazar, <i>Maybank Islamic Berhad, Malaysia</i> Ruqayyah Mohamad Ali, <i>Maybank Islamic Berhad, Malaysia</i> Nurul Atiqah Yusri, <i>Maybank Islamic Berhad, Malaysia</i>
14.10 – 14.25 WIB	<b>ABS 344</b> <i>Digitalization and Stagnation of Growth in Indonesian Islamic Banking</i>	Hidayat Wira Kusuma, <i>Universiti Teknikal Malaysia Melaka</i> Dedi Wibowo, <i>Universiti Teknikal Malaysia Melaka</i>
14.25 – 14.40 WIB	<b>ABS 953</b> <i>Islamic Perspective on Social Media Literacy</i>	Nurmalina Syahrul, <i>Universitas Negeri Padang, Indonesia</i> Atmazaki Harris Effendi Thahar, <i>Universitas Negeri Padang, Indonesia</i>
14.40 – 14.55 WIB	<b>ABS 1060</b> <i>Dakwah Through Television: Study of McDonaldization of Da'wah in the month of Ramadhan</i>	Irzum Farihah, <i>Institut Agama Islam Negeri, Kudus</i>

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15.30 – 15.45 WIB	<b>ABS 452</b> <i>Conservattive Trun or Institutional U-Turn? Explaining Internal Dynamics of The Muhamandiyah Muslim Organisation In Post Soeharto Indonesia</i>	Haedar Nashi, <i>Universitas Muhammadiyah Yogyakarta</i> Ahmad Norma Pertama, <i>Universitas Islam Negeri Sunan Kalijaga</i> Muhammad Fuad, <i>Universitas Lampung</i>
15.45 – 16.00 WIB	<b>ABS 1410</b> <i>Participant of Muslim's Women In Islamic Philantrophy In Digital Era: Malaysian Experience</i>	Mek Wok Bt Mahmud, <i>International Islamic University Malaysia</i> , Raudlotul Firdaus Bt Fatah Yasin, <i>International Islamic University Malaysia</i> , Nor Amni Bazilah Bt Mohd Zain, <i>International Islamic University Malaysia</i>
16.00 – 16.15 WIB	<b>ABS 1325</b> <i>Increase religious tourism visits in DKI Jakarta through QR coded Pilgrimage Tourism Maps</i>	Sari Narulita, <i>Universitas Negeri Jakarta</i> Rihlah Nur Aulia, <i>Universitas Negeri Jakarta</i> Arip Suprasetio, <i>Universitas Negeri Jakarta</i> Amaliyah, <i>Universitas Negeri Jakarta</i> Azry Arvah Hidayat, <i>Universitas Negeri Jakarta</i>
16.15 – 16.30 WIB	<b>ABS 1411</b> <i>A Quranic Guidance on Ethical Halal Policy of Recombinant Collagen-Like Protein and its Challenges in Digital Era</i>	Assist Prof Dr. Raudlotul Firdaus Fatah Yasin, <i>International Islamic University Malaysia</i> , Assist Prof Dr. Nurul Jannah Zainan Nazri, <i>International Islamic University Malaysia</i> , Norhazirah Burhanuddin, <i>International Islamic University Malaysia</i>
16.30 – 16.45 WIB	<b>ABS 930</b> <i>Integrated Versus Subordinated: Public Relations Application in Faith-Based Women Organization</i>	Kholifatul Fauziah, <i>Universitas Muhammadiyah Yogyakarta</i>
16.45 – 17.00 WIB	<b>ABS 1412</b> <i>A Statistical Analysis of the Holy Quran in the Digital Era: Case Study of Sura An-Nisa'</i>	Akram M Zeki, <i>International Islamic University Malaysia</i>