



**WEBINAR & ABSTRACT BOOK**

# **HEALTHCARE IN PANDEMIC ERA: "THE NEW NORMS"**

4th USIM INTERNATIONAL HEALTH E-  
CONFERENCE  
in conjunction with the  
3rd INTERNATIONAL CONFERENCE ON  
MEDICINE AND HEALTH SCIENCES (ICMHS)

16th - 17th December 2020

**ORGANISED BY:**

**FACULTY OF MEDICINE AND HEALTH  
SCIENCES**

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# WELCOME MESSAGE



In the Name of Allah, the Most Beneficent, the Most Merciful.

Welcome to the virtual 4th USIM International Health E-Conference 2020 (IHeC 2020) in conjunction with the 3rd International Conference on Medicine and Health Sciences (ICMHS). I would like to start by wishing you and your families my personal best, for your health and safety in these difficult times. Covid-19 is causing tragic loss of life; and the measures needed to fight it have turned our world upside down, affecting billions of people from all walks of life. Humanity is facing one of its darkest periods in living memory, a crisis like no other. However, in the wake of this once in a lifetime tragedy, as Muslims, we must always remember that Allah s.w.t has stated "And We will surely test you with something of fear and hunger and a loss of wealth and lives and fruits, but give good tidings to the patient, Who, when disaster strikes them, say, "Indeed we belong to Allah, and indeed to Him we will return." Those are the ones upon whom are blessings from their Lord and mercy. And it is those who are the [rightly] guided." [Quran 2:155-57]. In turmoil, the international community has come together to help the most vulnerable countries addressing urgent health needs and mitigating the economic impact of the crisis.

These are exceptional times, which requires exceptional action. We must continue to learn, change and adapt in order to continue to thrive. The conference theme and sub-themes capture contemporary issues surrounding COVID-19 on the impact, challenges and while paving the way forward via science and technological advances and policy-decisions that will shape the society in which we operate and which we serve by investigating relevant issues and suggesting some answers, or even asking more questions. The programme assembled are interesting, relevant and varied, both in terms of disciplinary coverage but also in the mix of the scholars.

I have no doubt in my mind that this will be a very memorable experience for those who are attending this conference for the first time. For those of us who are seasoned in the area, it is an opportunity to create an enduring legacy in mentorship for research and dissemination for the early career academics and researchers in our younger faculty and the students present. I hope this will grow to become a regional hub for the exchange of ideas and experiences in your respective disciplines.

Professor Dr Mohamed Ridza bin Wahiddin  
Vice Chancellor,  
Universiti Sains Islam Malaysia (USIM)

# WELCOME MESSAGE

From the Dean



In the Name of Allah, the Most Beneficent, the Most Merciful.

It is with great pride and pleasure that I welcome all the participants to the 4th USIM International Health E-Conference 2020 (IHeC 2020) in conjunction with the 3rd International Conference on Medicine and Health Sciences (ICMHS).

The Prophet Muhammad (peace be upon him) said 'Acquire knowledge and impart it to the people.' (Al Tirmidhi). The quest for knowledge has been from the beginning of time but knowledge only becomes valuable when it is disseminated and applied to benefit humankind. In this unprecedented era of COVID-19, this value holds true more than ever. Despite the hardships we have endured, this has become an opportunity for us to come together and help one another. It is hoped that this conference will be a platform to gather and disseminate the latest knowledge and updates on a wide variety of topics in addressing COVID-19 from public health challenges, economic growth and opportunities, science and technology. Academicians, Scientist, Researchers and Clinicians across disciplines will be able to share and discuss new findings, and their experience in dealing with this pandemic in their own localities. It is envisaged that the intellectual discourse will result in future collaborations between universities, research institutions and industry both locally and internationally. In particular, it is expected that focus will be given to issues on impact on global healthcare and our preparation post-pandemic.

Researchers in USIM have a keen interest to be a part of this global discussion while incorporating the Naqli aspect to all that we do. Finally, I would like to congratulate the organizing committee for their tremendous effort in organizing and adapting the conference to a virtual format, that is accessible globally, a norm that all of us need to embrace. I would also like to thank all of our co-hosts and sponsors for their continual support and participation. I pray to Allah s.w.t that the conference will be a success.

Prof. Dr. Muhammad Shamsir Mohd Aris  
Dean,  
Faculty of Medicine and Health Sciences,  
Universiti Sains Islam Malaysia

# WELCOME MESSAGE

From the IHEC 2020 Director



In the Name of Allah, the Most Beneficent, the Most Merciful.

Welcome to the 4th USIM International Health E-Conference 2020 (IHeC 2020) in conjunction with the 3rd International Conference on Medicine and Health Sciences (ICMHS). As we embrace the new norm for conferencing, we have also adapted the webinar format for the course of this conference.

2020 has been a challenging year to say the least. We are all experiencing an unprecedented, once in a lifetime global COVID-19 pandemic. A virus that is not visible to the naked eye, has put the entire world on pause. However, as the saying goes, "the show must go on". The question before us is where do we go from here and what do we do now?

To address these important questions, it is most fitting that the theme of this year's conference is "Healthcare in a Pandemic Era: The New Norm". We have assembled a program that will hopefully shed light on a number of subjects including, public health issues and challenges, discussion of the economic impact, education in health sciences, current understanding of the science behind COVID-19 and the psychosocial impact during and post-pandemic. Speakers who are experts in their respective fields of interest, from Malaysia and around the world will meet-up virtually to share their knowledge and experience with COVID from their own country and discuss its impact globally.

On behalf of the organising committee, I would like to express my deepest thanks and gratitude to all of our co-hosts for their unwavering commitment and overwhelming participation I would also like to thank all our sponsors for their continual support to the success of this conference. And last but not least, to all the committee members in Malaysia and abroad who have defied all odds and have made this conference a virtual reality.

We truly are a global community and we are all in this together.

Dr. Nor Eyzawiah Hassan  
Chairperson,  
Organizing Committee 4th USIM IHeC 2020

# CONFERENCE PROGRAMME

Day 1: Wednesday 16th December 2020

Time	Activity			
0900	Registration			
0900-0935	<b>Plenary 1</b> <b>Pandemic and Healthcare: Challenges Against an Unexpected Battle, The Way Forward.</b> Tan Sri Dr Jemilah Mahmood, Ministry of Health Malaysia			
1000	Opening ceremony			
1010	<b>Welcoming address</b>			
1030	Officiating Montage			
1035	<b>Keynote address by Guest of Honour: "Holistic Hospital Preparedness Strategies Against COVID-19: Malaysian Experience in Managing COVID-19"</b> Datuk Dr Hj Rohaizat Bin Hj Yon, Deputy Director General, Ministry of Health Malaysia			
1120	Morning Tea break/ E-Poster presentation			
<b>Symposiums</b>				
	<b>Symposium 1: Challenges and Innovation in Handling COVID-19</b>	<b>Symposium 2: Managing Psychosocial Impact During and Post Pandemic</b>	<b>Symposium 3: Public Health Issues</b>	<b>Symposium 4: Dental Practice and Social Issues</b>
1135		Frontliners Psychological Trauma. <i>Dr Zul Azlin Razali, USIM</i>	Risk Communication Strategies During a Pandemic In Malaysia. <i>Dr Maria Suleiman, Ministry of Health Malaysia</i>	Dental Challenges During COVID-19 Pandemic <i>Dr Nor Azura Ahmad Tarmidzi, USIM</i>
1155	Improving Science Communication to Create Safer Communities. <i>Ms. Gea Abigail Ecoy, University of San Carlos</i>	COVID-19: Effect of Lockdown on Mental Health. <i>Assoc Prof Dr Amer Siddiq Amer Nordin, University of Malaya</i>	Implementing Health Strategies in An Emerging Pandemic. <i>Datuk Dr Norhayati Rusli, Ministry of Health Malaysia</i>	Infection Control Strategies and Patient Management Protocols to Provide Optimal Dental Care and to Prevent Healthcare Associated Infections (HAIS) in RSGM. <i>Prof. drg. Dwi Prijatmoko, University of Jember</i>
1215	Medical Innovation to Overcome Challenges During the COVID-19 Pandemic using 3D printing Technology. <i>Dr Mohd Ifwat Mohd Ghazali, USIM</i>	Adapting to The New Norm: A Daily Routine. <i>Dr Ahmad Izzat Ahmad Tajjudin, USIM</i>	Mitigation Responses of the Impact of COVID-19 on Nutrition in Indonesia. <i>Prof. Dr. dr. Abdul Razak Thaha, M.Sc, Sp.GK, Universitas Muhammadiyah Makassar</i>	Humanity versus Law: Finding The Balance During A Pandemic. <i>Dr Muzaffar Syah Mallow, USIM</i>
1235	Application of Nanosized Materials for the Treatment of Viral Infection. <i>Dr. apt. Lina Winarti, University of Jember</i>	NGO Approach to COVID-19 Among Vulnerable Population. <i>Dr Abdul Rahman Ahmad Badayai, Mercy Malaysia</i>	Applying Prevention Strategies for A Pandemic in Islam. <i>Prof Dr Irwan Mohd Subri, USIM</i>	Impact of the COVID-19 Pandemic on High Risk Medical Health Professionals: The Solutions. <i>Dr. Abd. Azis, Sp.U, Universitas Muhammadiyah Makassar</i>
1255	Q&A	Q&A	Q&A	Q&A
1330	Lunch break			
1430	Oral presentation	Oral presentation	Oral presentation	Oral presentation
1630	COVID-19 Pandemic Modelling in Context: Uniting People and Technology Across Nations. Prof Lisa J White, Oxford University			
End Session For Day 1				



# CONFERENCE PROGRAMME

Day 2: Thursday 17th December 2020

Time	Activity			
0830	<b>Plenary II</b> Introduction			
0835	<b>Understanding COVID-19 Based on Current Evidence.</b> Assoc Prof Dr Noor Fadzilah Zulkifli, USIM			
0905	<b>COVID-19: The Infinite War?</b> Dr Lo Ying-Ru Jacqueline, WHO Representative to Malaysia, Brunei Darussalam and Singapore			
0935	<b>Pharmacy Education in the Philippines: Resilience and Response to COVID-19.</b> Dr. Gerard Lee See, University of San Carlos			
1005	Morning Tea break/ E-Poster presentation			
<b>Symposiums</b>				
	<b>Symposium 5: Medical Science of COVID-19</b>	<b>Symposium 6: Education in Health Sciences: Lessons from a Pandemic</b>	<b>Symposium 7: Economics impact during a pandemic</b>	<b>Symposium 8: Impact of COVID-19 locally</b>
1045	The Update on Medical Management of COVID-19: Current & Future Perspectives. <i>Dr Alif Adlan bin Mohd Thabit Hospital Sungai Buloh, Ministry of Health</i>	COVID-19 Pandemic: A Paradigm Shift in Delivery of Dental Education. <i>Dr Faizah Abdul Fatah, USIM</i>	Casemix System: Managing Resources and Information During COVID-19 Pandemic. <i>Prof Dato' Dr Syed Mohamed Al-Junid, Kuwait University</i>	Agromedicine: Farmers health and Safety During COVID-19 Pandemic. <i>Dr Supangat, M. Kes., University of Jember</i>
1105	Challenges in Vaccine Production in a Pandemic. <i>Mr Leon Cruz, CCM Duopharma</i>	Key Strategies to Ensure Safe Education Environment in The Clinical Setting. <i>Prof Dr Muhammad Shamsir Muhammad Aris, USIM</i>	Economic Impact of COVID-19 to Healthcare System. <i>Prof Dr Maznah Dahlui, University of Malaya</i>	Convalescence Plasma Therapy For COVID-19: Is it Effective? <i>Dr Angga Mardro Raharjo, University of Jember</i>
1125	Laboratory Diagnosis of COVID-19: Current Issues & Challenges. <i>Assoc Prof Dr Noor Zetti Zainol Rashid, UKM</i>	Building Resilience in Medical Education: Lesson Learned from the Pandemic. <i>Dr. Suhaila Sanip, USIM</i>	Economic Impacts of Pandemics: What History Taught Us. <i>Dr Amirah Azzeri, USIM</i>	Promoting Nurses Wellbeing During COVID-19 Outbreak Through Work Arrangement Model. <i>Dr Nurfika Asmaningrum, University of Jember</i>
1145	Enhancing COVID-19 Prevention Strategies. <i>Assoc Prof Dr Nurul Azmawati Mohamed, USIM</i>	Alternative Learning Strategies in Health Sciences. <i>Dr Rahman Omar, USIM</i>	Willingness-to-pay and Ability-to-pay for COVID-19 Preventions and Treatments: Are We Ready? <i>Dr Mohd Hafiz Jaafar, USIM</i>	Effects of Snakehead Fish Extract Consumption on COVID-19 Patients. <i>Dr H. Iwan Setiawan Adji, Universitas Muhammadiyah Surakarta</i>
1205	Does Lockdown Affect Health Information Seeking Behavior of COVID-19 Preventive Measures Among Indonesians? A Google Trends Analysis. <i>Antonius Nugraha Widhi Pratama, University of Jember</i>	Q&A	Q&A	Q&A
1225	Q&A			
1300	Lunch break			
1400	Oral presentation	Oral presentation	Oral presentation	Oral presentation
1600	E-poster viewing			
1630	Awards and Closing Ceremony			

# CONFERENCE PROGRAMME

Day 2: Thursday 17th December 2020

Time	Activity
Symposiums	
<b>Symposium 9: Practical efforts in Responding to COVID-19</b>	
1045	Challenges in Managing PPE and Clinical Pharmacy Services at A COVID-19 Referral Teaching Hospital. <i>Dr Budi Suprapti, Airlangga</i>
1105	Screening in Non-Communicable Disease and How Community Pharmacist can Play A Role During Pandemic COVID-19. <i>Dr Elida Zairina, Airlangga</i>
1125	Swabbing for COVID-19: Is it All in The Nose? <i>Dr Nor Eyzawiah Hassan, USIM</i>
1145	Staying Safe in A Pandemic: Perioperative Care <i>Dr Razrim Rahim, USIM</i>
1205	Challenges to Effective Pandemic Responses and Determining Priority Measures to Prepare for The Future. <i>Dr Febi Dwirahmadi, University of Jember</i>
1225	Q&A
1300	Lunch break
1400	Oral presentation                      Oral presentation                      Oral presentation                      Oral presentation
1600	E-poster viewing
1630	Awards and Closing Ceremony

## THE MODIFICATION OF RICE CAKE FOR DIABETES MELLITUS IN ELDERLY

Aryatika, Karera<sup>1</sup>, Rohmawati, Ninna<sup>1</sup>

*<sup>1</sup> Department of Nutrition, Faculty of Public Health, University of Jember, Jember, Indonesia*

**Introduction:** The phenomenon of over demographic is estimated to occur in 2020-2030 and stakeholder's attention will be focused on productive age. Meanwhile, the total of the elderly is predicted to be around 48.20 million during 2020-2035, and unhealthy elderly makes it worse. Diabetes Mellitus type II is a non-communicable disease which commonly affects the elderly and causes complication. Based on that explanation, our team proposed a healthy street food diet that contains various nutrients in one serving. This called as a modified rice cake. It's made from local foods, such as MOCAF analogue rice, shrimps, Moringa oleivera leaves and local spices according to the nutritional needs of diabetics. The expected outcome is, it fulfils the nutritional needs of diabetics even they don't consume the food completely. It's because modified rice cake has a nutrient density concept, makes the presentation of the food menu more practical. Additionally, it can control blood sugar levels in elderly with diabetes due to the determination of hypoglycemic rice.

**Objective(s):** The aim of this study is to analyze the feasibility of modified rice cake as a healthy diet food for a diabetic in the elderly.

**Methodology:** Literature study from credible books and journals which are related to the dietary principles of type 2 diabetes mellitus was used as a method.

**Results:** The result showed that modified rice cake has high values of organoleptic character compared to the usual rice cake. Furthermore, modified rice cake contains high protein, fat and fibre, also has a positive biological impact to the bodies of elderly with diabetes Modified rice cake is recommended to be consumed along with various types of foods which is equally frequent with a carbohydrate source.

**Conclusion(s):** As a conclusion, modified rice cake can be used as an alternative food which is feasible to be consumed by the elderly with diabetes.



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# The modification of rice cake for diabetes mellitus in the elderly

Karera Aryatika<sup>1</sup>, Ninna Rohmawati<sup>2</sup>.

Malaysian Journal of Medicine and Health Sciences (browse-journal-view.php?id=104) (Volume 17, SUPP 1, January 2021, Pages 116 to 0 (issue-view.php?id=12890&journal\_id=104))

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**Introduction:** The phenomenon of over demographic is estimated to occur in 2020-2030 and stakeholder's attention will be focused on productive age. Meanwhile, the total of the elderly is predicted to be around 48.20 million during 2020-2035, and unhealthy elderly makes it worse. Diabetes Mellitus type II is a non-communicable disease which commonly affects the elderly and causes complication. Based on that explanation, our team proposed a healthy street food diet that contains various nutrients in one serving. This called as a modified rice cake. It's made from local foods, such as MOCAF analogue rice, shrimps, Moringa oleivera leaves and local spices according to the nutritional needs of diabetics. The expected outcome is, it fulfils the nutritional needs of diabetics even they don't consume the food completely. It's because modified rice cake has a nutrient density concept, makes the presentation of the food menu more practical. Additionally, it can control blood sugar levels in elderly with diabetes due to the determination of hypoglycemic rice. **Objective:** The aim of this study is to analyze the feasibility of modified rice cake as a healthy diet food for a diabetic in the elderly. **Methodology:** Literature study from credible books and journals which are related to the dietary principles of type 2 diabetes mellitus was used as a method. **Results:** The result showed that modified rice cake has high values of organoleptic character compared to the usual rice cake. Furthermore, modified rice cake contains high protein, fat and fibre, also has a positive biological impact to the bodies of elderly with diabetes. Modified rice cake is recommended to be consumed along with various types of foods which is equally frequent with a carbohydrate source. **Conclusion:** As a conclusion, modified rice cake can be used as an alternative food which is feasible to be consumed by the elderly with diabetes.

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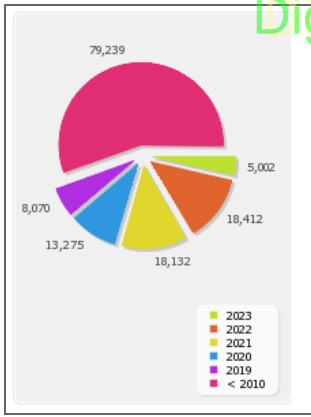
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