

KARYA ILMIAH:
SEMINAR INTERNASIONAL

**AGROMEDICINE: FARMERS HEALTH AND SAFETY DURING COVID-19
PANDEMIC**

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**KEMENTERIAN RISET, TEKNOLOGI, DAN
PENDIDIKAN TINGGI
UNIVERSITAS JEMBER**

Karya Ilmiah Dipresentasikan Pada Seminar Internasional:

USIM International Health Conference 2020

16-17 Desember 2020

Fakulti Perubatan dan Sains Kesihatan
Tel: 03-42892400 / Faks: 03-42892477

USIM: 2.12/ 263 / 4 (45)
19th October 2020 / 2 Rabiul Awal 1442H

Faculty of Medicine,
University of Jember.

Dear Dr Supangat M.Kes., Ph.D., Sp.BA.,

INVITATION AS SPEAKER IN 4TH USIM INTERNATIONAL HEALTH E-CONFERENCE (IHeC) 2020

The Faculty of Medicine and Health Sciences (FPSK), Universiti Sains Islam Malaysia (USIM) have multidimensional activities in medical education and health services. The faculty has always been actively involved in Continuing Medical Education (CME), by organizing National and International Health Conferences.

2. This year, the **4th USIM International Health E-Conference (IHeC2020)** and **3rd ICMH E-Conference** will be our 4th international conference. The conference theme is "**Healthcare in a Pandemic Era: The New Norm**". We also have international co-hosts from Indonesia and the Philippines who will be joining us this year. However, due to the current pandemic, the conference will be conducted online.

3. Knowing your eminence and esteemed reputation in this field, it is our honour and privilege to invite you as a **SPEAKER** in the following session. Details of the talk as below:

Session : Symposium 8
Title : Agromedicine: Farmers health and safety during COVID-19 pandemic.
Date : 17th December 2020
Time : 1045 am (20 minutes)
Venue : E-Conference (MS Teams)

4. Kindly reply with your CV, a short abstract of the talk, a short biography and a recent photograph if you accept our invitation. Attached is the tentative conference program for your reference. For any enquiries, please contact Dr Tengku Amatullah Madeehah (email: madeehah@usim.edu.my). We hope that you would accept our invitation and grace our conference with your presence.

Thank you.

"KNOWLEDGE, DISCIPLINE, DEVOUT"

Yours sincerely,



(PROF. DR. MUHAMMAD SHAMSIR MOHD ARIS)
Dean
Faculty of Medicine and Health Sciences
Universiti Sains Islam Malaysia (USIM)
Advisor of 4th USIM International Health Conference 2020 (IHeC2020).



Berilmu, Berdisiplin dan Bertakwa

Knowledgeable, Disciplined and Devout



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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CONFERENCE PROGRAMME

Day 1: Wednesday 16th December 2020

Time	Activity			
0900	Registration			
0900-0935	Plenary 1 Pandemic and Healthcare: Challenges Against an Unexpected Battle, The Way Forward. Tan Sri Dr Jemilah Mahmood, Ministry of Health Malaysia			
1000	Opening ceremony			
1010	Welcoming address			
1030	Officiating Montage			
1035	Keynote address by Guest of Honour: "Holistic Hospital Preparedness Strategies Against COVID-19: Malaysian Experience in Managing COVID-19" Datuk Dr Hj Rohaizat Bin Hj Yon, Deputy Director General, Ministry of Health Malaysia			
1120	Morning Tea break/ E-Poster presentation			
Symposiums				
	Symposium 1: Challenges and Innovation in Handling COVID-19	Symposium 2: Managing Psychosocial Impact During and Post Pandemic	Symposium 3: Public Health Issues	Symposium 4: Dental Practice and Social Issues
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	Plenary II Introduction			
0835	Understanding COVID-19 Based on Current Evidence. Assoc Prof Dr Noor Fadzilah Zulkifli, USIM			
0905	COVID-19: The Infinite War? Dr Lo Ying-Ru Jacqueline, WHO Representative to Malaysia, Brunei Darussalam and Singapore			
0935	Pharmacy Education in the Philippines: Resilience and Response to COVID-19. Dr. Gerard Lee See, University of San Carlos			
1005	Morning Tea break/ E-Poster presentation			
Symposiums				
	Symposium 5: Medical Science of COVID-19	Symposium 6: Education in Health Sciences: Lessons from a Pandemic	Symposium 7: Economics impact during a pandemic	Symposium 8: Impact of COVID-19 locally
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	
Symposium 9: Practical efforts in Responding to COVID-19	
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

**Assoc Prof Dr Supangat**

Lecturer

University of Jember, Indonesia

**Symposium 8:
AGROMEDICINE: FARMERS HEALTH AND SAFETY DURING COVID-19
PANDEMIC.**

The COVID-19 Pandemic present and predictable effect of Health, food security and work cycles. Like a doctor, Farmer has very importance rules as a food provider and also they must work from field instead of work from home that way agromedicine should protect farmer during pandemic. To resume the strategy for keep farmer and family health and save during COVID-19 Pandemic. Indonesia have 33.487.806 farmer with 25 436 478 and 8 051 328 male and female, respectively. Number of Agricultural Households by Province and Age Group of Main Farmers was >45 years old 17.771.389 from 27 .682 .117. Number of Farmers by Province and Internet Use 4 501 415 and 28 986 391 not used internet. Indonesia farmer have risk to COVID exposure and disease and need specific strategy for manage and prevention program for Farmer family

Supangat MD MSc PhD is a Pediatric Surgeon, Dean of Medical Faculty Jember University, and Head of PANAHA (Pesticide Exposure and Health) Research Center, Jember University. He is an associate professor in the Pharmacology department with research interests in molecular pharmacology, Protein Crystallography, congenital Anomaly, and Pesticide Exposure and Health

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INDONESIA
MAJU



Agromedicine: Farmers Health & Safety During COVID-19 Pandemic @ sup_pedsurg

30-40 %

Farmers.....

Food

JUMLAH PETANI MENURUT JENIS KELAMIN

Number of Farmers by Sex

25 436 478

Laki-Laki
Male

8 051 328

Perempuan
Female



Impact
our food

on people's livelihoods, their health and

Novel Coronavirus (COVID-19)

- Policy briefs
- Country profiles
- Publications
- Multimedia
- Stories
- Social media cards
- In the media

ANALYSES AND SOLUTIONS

Policy briefs

The COVID-19 pandemic is impacting not only food trade, food supply chains and markets but also people's lives, livelihoods and nutrition.

This collection of policy briefs presents a qualitative and quantitative assessment of the pandemic's impacts on these areas. Briefs are released on a day-to-day basis. Please check back frequently for the latest available briefs.

For media queries on any of the below topics, please contact FAO-Newsroom@fao.org.

RESOURCES

CROP CALENDARS AND COVID-19

Related links

- FAO: COVID-19 | Response and Recovery Programme
- FAO in emergencies

Contact

FAO Media Relations Office
 (+39) 06 570 53625
FAO-Newsroom@fao.org



Joint statement



Farmer



[Credits](#)

Impact of COVID-19 on people's livelihoods, their health and our food systems

Joint statement by ILO, FAO, IFAD and WHO

13 October 2020 | Statement | Reading time: 3 min (864 words)

The COVID-19 pandemic has led to a dramatic loss of human life worldwide and presents an unprecedented challenge to public health, food systems and the world of work. The economic and social disruption caused by the pandemic is devastating: tens of millions of people are at risk of falling into extreme poverty, while the number of undernourished people, currently estimated at nearly 690 million, could increase by up to 132 million by the end of the year.

Millions of enterprises face an existential threat. Nearly half of the world's 3.3 billion global workforce are at risk of losing their livelihoods. Informal economy workers are particularly vulnerable because the majority lack social protection and access to quality health care and have lost access to productive assets. Without the means to earn an income during lockdowns, many are unable to feed themselves and their families. For most, no income means no food, or, at best, less food and less nutritious food.

The pandemic has been affecting the entire food system and has laid bare its fragility. Border closures, trade restrictions and confinement measures have been preventing farmers from accessing markets, including for buying inputs and selling their produce, and agricultural workers from harvesting crops, thus disrupting domestic

Tabel 1.5.1 Jumlah Rumah Tangga Usaha Pertanian Menurut Provinsi dan Kelompok Umur Petani Utama (Laki-laki + Perempuan), 2018
Table 1.5.1 Number of Agricultural Households by Province and Age Group of Main Farmers (Male + Female), 2018

Provinsi Province	Kelompok Umur Petani Utama (Tahun) Age Group of Main Farmers (Age)			
	< 25	25 - 34	35 - 44	45 - 54
(1)	(2)	(4)	(5)	(6)
1 Aceh	7 494	92 396	200 079	203 860
2 Sumatera Utara	16 251	185 031	383 849	390 756
3 Sumatera Barat	5 511	56 846	171 716	184 809
4 Riau	8 311	81 501	195 875	183 221
5 Jambi	6 541	65 846	149 655	134 068
6 Sumatera Selatan	13 830	169 956	312 366	280 305
7 Bengkulu	4 138	48 058	91 878	81 264
8 Lampung	17 907	13 592	375 275	346 617
9 Kepulauan Bangka Belitung	1 846	2 716	42 206	42 206
10 Kepulauan Riau	83	0 006	22 596	22 596
11 DKI Jakarta	18 148	148 000	4 551	4 551
12 Jawa Barat	23 060	263 886	675 688	934 356
13 Jawa Tengah				
14 DI Yogyakarta				
15 Jawa Timur				
16 Banten				
17 Bali				
18 Nusa Tenggara B				
19 Nusa Tenggara Tl				
20 Kalimantan Barat				

>45 Years Old
 11 % Internet user

Provinsi Province	Penggunaan Internet Internet Use	
	Menggunakan Internet Using Internet	Tidak Menggunakan Internet Not Using Internet
(1)	(2)	(3)
1 Aceh	131 808	778 220
2 Sumatera Utara	255 288	1 603 354
3 Sumatera Barat	118 565	754 383
4 Riau	160 180	639 271
5 Jambi	112 097	530 514
6 Sumatera Selatan	193 418	1 105 470
7 Bengkulu	58 136	274 665
8 Lampung	222 881	1 354 938
9 Kepulauan Bangka Belitung	41 503	167 265
10 Kepulauan Riau	21 661	72 531



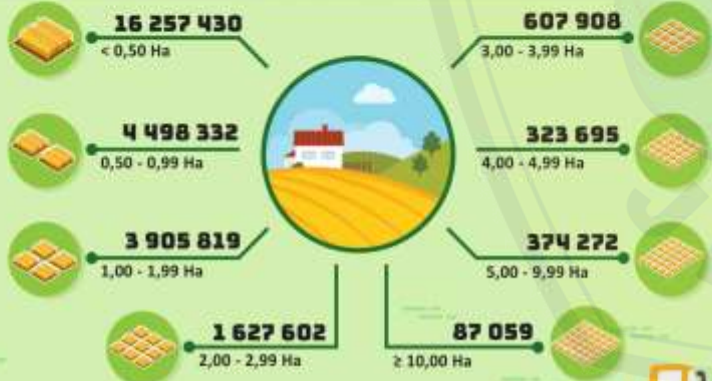
LAHAN YANG DIKUASAI *Holding Area*

Hasil Survei Pertanian antar Sensus 2018 / The Result of Inter-Census Agricultural Survey 2018

JUMLAH RTUP PENGGUNA LAHAN DAN RUMAH TANGGA PETANI GUREM *Number of Land Holder Agricultural Households and the "Gurem" Agricultural Households*



JUMLAH RTUP MENURUT GOLONGAN LUAS LAHAN YANG DIKUASAI *Number of Agricultural Households by Category of Holding Land Area*



Sumber: freejak.com | vectorstock.com | Desain: @lusi.natha

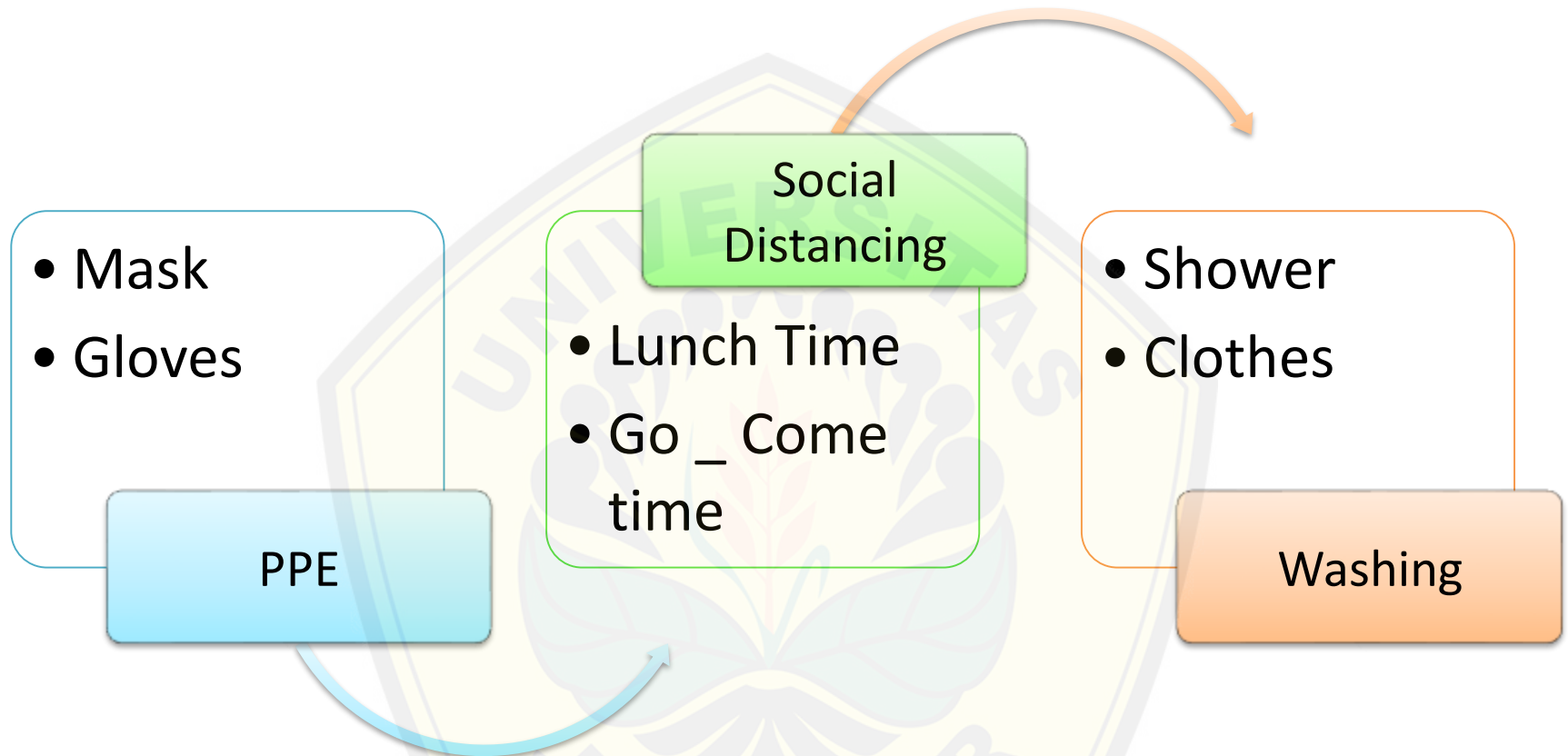
HASIL SURVEI PERTANIAN ANTAR SENSUS (SUTAS) 2018 THE RESULT OF INTER-CENSUS AGRICULTURAL SURVEY

Katalog BPS : 5101018

SERI - A1



BADAN PUSAT STATISTIK
BPS-Statistics Indonesia



Albumin Village

PROGRAM KEMITRAAN MASA PANDEMI

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LAZDA
KABUPATEN

Conclusion



Food security

Hight Risk

Specific Program

Thank You





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ISLAMIC SCIENCE UNIVERSITY OF MALAYSIA



CERTIFICATE OF APPRECIATION

This is to certify that

DR SUPANGAT

has contributed to the

4th USIM INTERNATIONAL HEALTH E-CONFERENCE

in conjunction with the

**3rd INTERNATIONAL CONFERENCE ON MEDICINE AND
HEALTH SCIENCES (ICMHS)**

Healthcare in Pandemic Era: "The New Norm"

as a

SPEAKER

held on

16th - 17th December 2020

DR. NOR EYZAWIAH HASSAN

DIRECTOR

4th USIM INTERNATIONAL HEALTH E-CONFERENCE

PROF. DR. MUHAMMAD SHAMSIR MOHD ARIS

DEAN

FACULTY OF MEDICINE AND HEALTH SCIENCES, USIM

