



# ABSTRACT BOOK

**THE 2<sup>nd</sup>  
SRIWIJAYA INTERNATIONAL  
CONFERENCE ON PUBLIC HEALTH  
(SICPH) 2019**

**Theme :**

**"The Impact of Climate Change  
on Infectious Disease Transmission"**

**November  
6<sup>th</sup> - 7<sup>th</sup>, 2019**



**The 101 Palembang Rajawali**



# ABSTRACT BOOK

# THE 2<sup>nd</sup> SRIWIJAYA INTERNATIONAL CONFERENCE ON PUBLIC HEALTH

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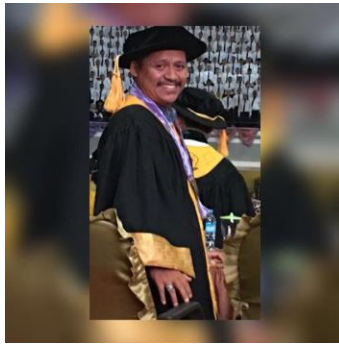
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# PREFACE

## FOREWORD



It gives me great happiness to welcome you to the 2<sup>nd</sup> Sriwijaya International Conference on Public Health (2<sup>nd</sup> SICPH) during 6<sup>th</sup> to 7<sup>th</sup> November 2019 at 101 Hotel Palembang, Indonesia. This seminar is a continuation of first event on 2017 organized by Faculty of Public Health, Sriwijaya University (UNSRI). The theme of this second seminar is ***“The Impact of Climate Change on Infectious Disease Transmission”***.

According to World Health Organization, nowadays, there is an apparent increase in many infectious diseases, including some newly-circulating ones (HIV/AIDS, hantavirus, hepatitis C, SARS, etc). This reflects the combined impacts of rapid demographic, environmental, social, technological and other changes in our ways-of-living. Climate change will also affect infectious disease occurrence. Humans have known that climatic conditions affect epidemic diseases from long before the role of infectious agents was discovered, late in the nineteenth century. Roman aristocrats retreated to hill resorts each summer to avoid malaria. South Asians learnt early that, in high summer, strongly curried foods were less likely to cause diarrhoea.

The SICPH consists of keynote sessions from well known expert speakers in the field of public health especially environmental health, academic paper sessions (oral presentations and poster presentations) who are coming from multidiscipline. This conference seeks to bring together academics, public health professionals, researchers, scientists, students and health stakeholders from a wide range of disciplines to present their latest research experience and further development in all areas of public health. The key purpose of the conference is to promote common understanding of how public health responses to environmental problem

On behalf of the organizing committee, we express its gratitude towards all the keynote speakers, authors, reviewers, and participant for the great contribution to ensure the success of this event. Finally, I sincerely thank all the members of the organizing committee for any voluntarily effort that bring to the success of the conference.

Palembang, October 2019  
The Chairman,

Dr. Rico Januar Sitorus, S.KM, M.Kes (Epid)

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1. Prof. Budi Heriyanto, (Faculty of Public Health, University of Indonesia, Indonesia)
2. Prof. Mathuros Tipayamongkholgul (The Dean of Mahidol University, Thailand)
3. Dr. Nguyen Vu Thuong (Director Pasteur Institute Vietnam)
4. Prof. Dr. Ahmad Zaharin Aris (University Putra Malaysia)
5. Prof. Kraichat Tantrakarnapa (Faculty of Public Health, Mahidol University, Thailand)

# MAIN SPEAKERS

**1. Prof. Budi Heriyanto**

Faculty of Public Health, Universitas Indonesia, Indonesia

**2. Prof. Kraichat Tantrakarnapa**

Mahidol University, Thailand

**3. Dr. Nguyen Vu Thuong**

Director Pasteur Institute Vietnam

**4. Prof. Dr. Ahmad Zaharin Aris**

University Putra Malaysia

# TIME SCHEDULE

## Day 1-Conference (Wednesday, November 6th, 2019)

07.00-08.30am	Registration and free photo booth				
08.30-09.00am	Coffee break and visit poster booths				
<b>Welcome and opening plenary</b>					
09.00-09.30am	Indonesia Raya National Anthem				
	Opening speech :				
	-Dean of Public Health Faculty, Sriwijaya University				
<b>Plenary session 1:</b>					
09.30-10.00am	Keynote speaker 1 : Prof. Budi Heriyanto				
10.00-10.30am	Keynote speaker 2 : Prof. Kraichat Tantrakarnapa				
10.30-10.45am	Discussion				
<b>Plenary session 2:</b>					
10.45-11.15am	Keynote speaker 3: Dr. Nguyen Vu Thuong				
11.15-11.45am	Keynote speaker 4: Prof. Dr. Ahmad Zaharin Aris				
11.45-12.00am	Discussion				
12.00-13.30pm	Lunch and visit poster booths				
01.30-02.30 pm	<b>Parallel session</b>				
	Health Administration and Policy	Health Promotion	Human Nutrition	Communicable and Non-communicable Diseases	Environmental Health/ Occupational Safety & Health
02.30-02.45pm	Coffee break and visit poster booths				
02.45-03.45pm	<b>Parallel session</b>				



	Health Administratio n and Policy	Health Promotion	Human Nutrition	Communicable and Non- communicable Diseases	Environmental Health/ Occupational Safety & Health
03.45-04.00pm	Closing plenary day 1				

# ORAL PRESENTATIONS

**ROOM** : 1 (One)  
**TOPIC** : Global Nursing And Public Health Care; Health Policy And Health Systems;  
 Health Administration And Management; Technology In Health; Psychology  
 And Mental Health; Health Promotion; Human Nutrition

**MODERATOR** :Dr. Haerawati Idris M.Kes

NO	AUTHORS	TITLE	TOPICS
1	Andy Amir, Guspianto, Arnild Augina Mekarisce	Childbirth Behavior of Remote Indigenous Communities in The Bukit Dua Belas National Park Area, Sarolangun District, Jambi Province	Global Nursing And Public Health Care
2	Fitri Afrianti , Pujiyanto	Obstacles of The Implementation of The Healthy Indonesia Program With Family Approach	Health Policy And Health Systems
3	Dwi Noerjoedianto, Fitria Eka Putri	Analysis of Community Health Development Index on Indicators of Health Services in Tanjung Jabung Timur Regency	Health Policy And Health Systems
4	Khoirul Latifin	The Effectiveness of Smart Palliative Bed to Measure A Patient's Weight	Technology In Health
5	Harneda Noviva, Tri Yunis Miko Wahyono	Factors Associated With Risky Sexual Behavior in Adolescent Boys in Indonesia	Psychology And Mental Health
6	Karolin Adhistry, Mutia Nadra M., Nabilla Rizki O	Gastric Acid Detection Device for Cancer Patients	Technology In Health
7	Muhamad Seto Sudirman	The Role of The Supervisory Drinking Relations Tuberculosis Drug and Patient Compliance Level in Health Center Pangkal Pinang Gerunggung Year 2017	Health Policy And Health Systems, Environment Issues
8	Muhamad Seto Sudirman Dan Eva Dewi R Purba	Relationship of Family Factors, Drug Compliance, Environment and TB Patient Behavior to Healing Degree in Central Bangka Regency in 2018	Health Policy And Health Systems, Health Promotion
9	Asmaripa Ainy	Analysis of Waiting Time and Identification of Outpatient Services in Jejawi	
10	Yosi Oktarina, Andika Sulistiawan	The Self Efficacy in Hemodialysis Patient	
11	Guspianto, Evy Wisudariani, Asparian	Efforts in Remote Indigenous Community (Kat) in Working Area of Pematang Kabau Public Health Center Sarolangun Regency	
12	Putri Widita Muharyani, Antarini Idriansari, Mutia Nadra Maulida	Breastfeeding Education: Its Effect on Cadres Knowledge and Attitudes of Exclusive Breastfeeding	Health Promotion, Global Nursing And Public Health Care

NO	AUTHORS	TITLE	TOPICS
13	Eka Yulia Fitri	Effect of Lima Discharge Planning Model on Discharged Readiness Among Patients with Diabetic Mellitus	Health Administration And Management
14	Zulian Effendi	Development of Screening for Early Detection of Depression, Anxiety, Stress in Teenagers Based on Android Services	Technology In Health
15	Jaji	Development of a Paliative Client Supporting Screening System in A Community Based on Information Technology	Global Nursing And Public Health Care
16	Fidyah Pratiwi, Illiyah, Rizma Adlia Syakurah, Indah Yuliana, Reynold Siburian	Relationships of Self Efficacy, Outcome Expectation, Career Intention, and Career Exploration in Nutrition Science Student's Career Choice	Health Administration And Management, Human Nutrition
17	Yunita Theresiana	Determinants of Healthy Latrines Ownership in Working Area At Public Health Center Of Suak Tapeh in Banyuasin Regency South Sumatra	Health Promotion
18	Fadliyana Ekawaty, Yosi Oktarina	The Effectiveness of Ice Pack Reduces Pain in School Age Children with Venous Functioning	Global Nursing And Public Health Care
19	Jum Natosba, Firnaliza Rizona, Zulian Effendy, Adelia Pradita	Burden and Quality of Life Among Family Caregivers of Chronic Disease Patients: A Systematic Review	Global Nursing And Public Health Care
20	Anita Rahmiwati, Indah Purnama Sari, Feranita Utama	Strengthening Peer Educator on Mother's Knowledge and Attitudes of Stunting in Ogan Komering Ilir Regency	Human Nutrition
21	Rostika Flora, Misnaniarti, Fatmalia Febry, Suci Destriatania, Ditia Fitria Arinda, Anita Rahmiwati, Aguscik, Nurlaily, Ikhsan	Relationship Between Characteristics of The Third-Trimester Pregnant Women And Incidence of Anemia in Malaria-Endemic Regions in Bengkulu City	Human Nutrition
22	M Rifki Nauvaldi, Haerawati Idris	Evaluation of Iron Tablet Program For Adolescent Girl	Health Administration And Management
23	Iman Suwono	Analysis of Community Satisfaction Karang Jaya Subdivision Towards Health Service in Health Centre at Gandus Sub District of Palembang	Health Policy And Health Systems
24	Ditia Fitri Arinda, Zaenal Muttaqien Sofro, Fatma Zuhrotun Nisa	Effect of Education and Provision of Drinking Water on Adolescents' Drinking Consumption and Hydration Status	Human Nutrition

NO	AUTHORS	TITLE	TOPICS
25	Ditia Fitri Arinda, Rostika Flora, Widya Lionita	Education of Preconception Nutrition in Women Of Childbearing Age as A Preventive Of Stunting in OKI District, South Sumatra	Human Nutrition
26	Fatmalina Febry, Fenny Etrawati, Widya Lionita	Determinants of Chronic Energy Deficiency on Adolescent Girls in Ogan Komering Ilir District	
27	Erni Yusnita, Fatmalina Febry	Factors Associated with Motivation to Provide Exclusive ASI in The Work Area of 23 Ilir Public Health Centers Palembang 2019	
28	Silin Agustin, Dian Safriantini	Description of Waiting Time in Patient Administration Services Outpatient Dr. Mohammad Hoesin Palembang	Health Administration And Management
29	Dian Safriantini, Haerawati Idris, Asmaripa Ainy	The Determinant of National Health Insurance Membership in Ogan Komering Ilir District	Health Administration And Management

**ROOM** : 2 (Two)

**TOPIC** : Occupational Safety and Health; Biostatistics and Epidemiology

**MODERATOR** : Dr. Rostika Flora, M.Kes

No	Authors	Title	Topics
1	Tri Febrianti, Novrikasari	Implementation of Hearing Conservation Program (HCP) at Sultan Mahmud Badaruddin II Palembang International Airport	Occupational Safety And Health
2	Dita Anggraini ktaviana, Novrikasari, ona Lestari	The Factors Correlating to Self Safe Action of Elementary School Students Towards Electrical Danger in Kecamatan Kayuagung	Occupational Safety And Health
3	Agristianda Esa Claresta, Desheila Andarini	Risk Factors Analysis of Occupational Accidents in Senior High School Students	Occupational Safety And Health
4	Novrikasari	Safety Analysis of Light Rail Transit in Palembang	Occupational Safety And Health
5	Desheila Andarini, Anita Camelia, Dwi Septiawati	Identification of Road Safety Hazards in The Roadway of Palembang-Indralaya	Occupational Safety And Health
6	Muthia Felyanti, Novrikasari, H.Achmad Fickry Faisya, Rico Januar, Yuanita Windusari, Misnaniarti	Analysis of Physical Activity of Pregnant Women on The Quality Of Life in The Plaju Health Center Palembang	Occupational Safety And Health

No	Authors	Title	Topics
7	Putri Rizki Amalia Badri, Novrikasari, Rostika Flora, Rico Januar Sitorus, Ha Fickry Faisya, Misnaniarti, Pitri Noviardi	Analysis of Physical Activity Against Musculoskeletal Disorders in Pregnant Women in Plaju Health Center	Occupational Safety And Health
8	Annisa Yusmutia, Novrikasari, Yuanita Windusari, Rico Januar Sitorus, Hatta Dahlan, Misnaniarti, Pitri Noviardi	Analysis of Physical Activity Against Stress Levels in Pregnant Women at Plaju Health Center	Occupational Safety And Health
9	Widyastuti Faser, Tan Malaka, Yuanita Windusari	Respiratory Health Risk Analysis of Wood Dust Exposed Workers in Pulp Industry PT. X 2018	Occupational Safety And Health
10	Meta Rosalina, Yuanita Windusari	The Influence of Heat on The Production Section of The Work Environment Towards The Occurrence of Urine Crystallization in CV Alumunium Mandiri Palembang	Occupational Safety And Health
11	Mona Lestari, Novrikasari, Poppy Fujianti, Nyayu Zaskia Faturahma	Forest and Wetland Fires in Ogan Ilir District	Occupational Safety And Health
12	Simanjuntak Widya Linawati, Imelda Gernauli Purba	Analysis of Potential of Fire and Explosion With Losses By Dow's Fire and Explosion Index Method on Primary Reformer 101-B in PT Pupuk Sriwidjaja Palembang	Occupational Safety And Health
13	Dwi Sutiningsih, Prafista Filaely, Ari Udiyono (Universitas Diponegoro)	Analysis of Noise Factors in Increasing Blood Pressure of Railway Employees in Semarang Poncol Train Station	Biostatistics And Epidemiology
14	Yeni	Prevalence of Unmet Needs for Family Planning And It's Reasons For Women of Reproductive Age in Ogan Ilir	Biostatistics And Epidemiology
15	Rini Mutahar, Rini Anggraini, Dewie Suranti, Siti Raesa Putri	Relationship between Sources of Information to The Knowledge and Adolescent Attitude	Biostatistics And Epidemiology
16	Ayu Rahma Thalot, Rini Mutahar, Rico Januar Sitorus	Factors That Affecting The Utilization of HIV Tests in Indirect Female Sex Workers (IFSW) in Indonesia	Biostatistics And Epidemiology

ROOM : 3 (Three)  
 TOPIC : Environmental Health; Biostatistics and Epidemiology  
 MODERATOR : Fenny Etrawati, S.KM., M.KM

No	Authors	Title	Topics
1	Yesi Arisandi	<i>Scabiei Sarcoptes</i> Morphology And Environmental Factors Affecting The Scabies Event (Case Study: Pondok Pesantren Raudhatul Ulum, Ogan Ilir Districts, South Sumatra Province)	Environmental Health
2	Vera Yulyani	Leadership and Perceptions of Urban Communities To Achieve ODF: A Cross-Sectional	Environmental Health
3	Vera Yulyani, Christin Angeline Febriani, Shaharuddin Ms	Leadership in Changing Community Attitudes to Stop Open Defecation: A Descriptive Analysis	Health Promotion; Environmental Health; Environment Issues
4	Raden Halim, Oka Lesmana	Citronella Oil Formulation as Fogging Material to Eliminate The <i>Aedes Aegypti</i> Mosquitoes	Environmental Health
5	Raden Halim, Oka Lesmana	Mosquito Spray Oil Fragrant Lemon Grass	Environmental Health
6	Akhmad Dwi Priyatno, Daniel Saputra, Fuad Abd. Rachman, Rico Januar Sitorus	Effect Of Glyphosate Herbicide On Environmental Health	Environmental Health
7	Afriyanto, Somsak Pitaksanurat, Rittirong Junggoth (Khon Kaen University, Thailand)	Factor Influencing Practices Disposal Infectious Waste of Health Personal at Small Hospital of Bengkulu Town, Indonesia	Environmental Health
8	Dwi Septiawati, Inoy Trisnaini, Mona Lestari, Minarti	Status of Environmental Tobacco Smoke Exposure During Pregnancy to Risk Enhancement of Low Birth Weight in Palembang City	Environmental Health
9	Inoy Trisnaini, Fickry Faisya, Haerawati	Spatial Analysis of Water Quality in The Musi River Palembang City	Environmental Health
10	Hansen And Deddy Alif Utama	Concentration of Total Suspended Particulate on X Coal Mining in Kutai Kartanegara District	Environmental Health
11	Elly Rosana, Thirtawati, Muhammad Arbi	Livelihoods System and Level of Vulnerability of Rice Farmer Households due to Climate Change at Swampy Lowland in Sungai Pinang Village Banyuasin	Environment Issues

No	Authors	Title	Topics
12	Hansen, Deddy Alif Utama	PM <sub>2,5</sub> Dust Distribution and Lung Function in Samarinda City Street Sweepers	Environmental Health
13	Luthfia Resi Puspaningrum <sup>1</sup>	Risk Factor Analysis Incidence of Filariasis in Sembawa Health Center of The Banyuasin District in 2019	Environmental Health
14	Imelda Gernauly Purba, Elvi Sunarsih, Inoy Trisnainy, Rico Januar Sitorus	Association of Environmental Sanitation And Children Under Five Years of Age's Personal Hygiene with The Nutritional Status in The Settlements Wetlands	Environmental Health
15	Mario Sandro, Achmad Fickry Faisya, Rostika Flora, Mohammad Zulkarnain, Nur Alam Fajar, Samwilson Slamet	Analysis on Incidences of Helminthiasis Based on Home Sanitation of Elementary-School Children in Seluma Regency	Environmental Health
16	Yustini Ardillah	Association of Environmental Residential Sanitation to Communicable Disease Risk Among Musi Riverside Dwellers, Palembang: Study of Urban Slum Area	Environmental Health
17	Mohammad Zulkarnain	Dehydration Index and Fatigue Level of Workers Laboring in Heat-Exposed Environments	Environmental Health
18	Farida Kumalasari , Rico Januar Sitorus, A. Fickry Faisya	Analysis of The Relationship between Bacteriological Quality of Water and Use of Clean Water and The Occurrence of Diarrhea in Households in The Work Area of Karya Jaya Public Health Center in Palembang	Health Policy And Health Systems; Biostatistics And Epidemiology
19	Maraden Sirait <sup>1</sup> , Rostika Flora, Chairil Anwar, Mohammad Zulkarnain, Nur Alam Fajar, Achmad Fickry Faisya, Samwilson Slamet	Risk Factors for The Incidence of Anemia in Elementary-School Children Living in Malaria-Endemic Regions	Biostatistics And Epidemiology

**ROOM** : 4 (Four)  
**TOPIC** : Non Communicable Diseases/ Communicable Diseases; Epidemiology and Biostatistic  
**MODERATOR** : Anggun Budiastuti, S.KM., M.Epid

No	Authors	Title	Topics
1	Evy Wisudariani Dan Asparian	Correlation between Empowerment Program and Components of Gender Development (GDI) to Women of Childbearing Age Couples (PUS) Morbidity in Remote Indigenous Community of Suku Anak Dalam (SAD) at Sungai Terap Area and Nyogan of Jambi Province	Communicable And Non-Communicable Diseases
2	Mursid Raharjo	Nanoparticle of Silver Nitrate ( $Ag_2NO_3$ ) and Carbamate ( $CO_2NH_3$ Derivatives) for Vector Control of Anopheles	Communicable And Non-Communicable Diseases
3	Nurhalina Sari, Nova Muhani	Case Control Study: Survival Analysis of Hemodialysis Patients with Hypertension in Lampung in 2016-2018	Communicable And Non-Communicable Diseases; Biostatistics And Epidemiology
4	Djunizar Djamaludin, Rika Yulenda Sari, Setiawati	Application of Ankle Range of Motion on Prevention Neuropathy and Angiopathy Diabetic Patients	Health Promotion; Communicable And Non-Communicable Diseases
5	Amrina Rosyada ; Dini Arista Putri ; Rini Mutahar	Family Awareness of Congenital Rubella Syndrom in Palembang, Indonesia	Communicable And Non-Communicable Diseases
6	Yosi Oktarina, Andika Sulistiawan	The Self Efficacy in Hemodialysis Patient	Communicable And Non-Communicable Diseases
7	Nurhalina Sari, Nova Muhani	Case Control Study: Survival Analysis Of Hemodialysis Patients With Hypertension In Lampung In 2016-2018	Communicable And Non-Communicable Diseases
8	Sabrina Intan Zoraya, Abdillah Adipatria Budi Azhar	Association between Tooth Brushing and Cardiovascular Disease Risk Factors: a Systematic Review	Communicable And Non-Communicable Diseases, Biostatistics And Epidemiology
9	Desvita Venny Anggriani	Risk Factor Analysis of The Incidence of Dengue Fever with Spatial Approach in Southern Lampung	Communicable And Non-Communicable Diseases
10	Erna Mutiara, Syarifah, Lanova Dwi Arde	Modifiable Risk Factors of Hypertension and Socio-Demographic Profile in Medan City	Communicable And Non-Communicable Diseases
11	Najmah, Sari Andajani, Sharyn	From Drawing to Puppet Shows : Creating A Collective Space For HIV-	Communicable And Non-Communicable Diseases



No	Authors	Title	Topics
	Graham Davies	Positive Women Learning from Feminist-Participatory Action Research	
12	Rahasty Dwi Julyanti, Rico Januar Sitorus	Sterile Syringe Service (NSP) Among Injection Drug Users (IDU's) in Indonesia (2015 IBBS Data Analysis).	Health Policy And Health Systems; Biostatistics And Epidemiology
13	Chairil Anwar, Rico Januar Sitorus, Novatria	Effects of <i>Capitis Pediculosis</i> in Foster Children in Orphanages Palembang, Indonesia	Biostatistics And Epidemiology
14	Sri Utami, Rico Januar Sitorus	Injection Drug Abuse Risky HIV Infection Among Indonesian Prisoners (Data Analysis IBBS 2015)	Biostatistics And Epidemiology
15	Rini Mutahar	Analysis of Knowledge and Source Information Relating to Health Reproductive Among Junior High School Student in Ogan Komering Ilir District, Indonesia	Biostatistics And Epidemiology
16	Indah Purnama Sari, Yustini Ardillah, Anita Rahmiwati	Association Of Low-Birth Weight With Underweight In Children Aged 6-59 Months in Palembang, Indonesia: A Cross-Sectional Study	Human Nutrition, Biostatistics And Epidemiology
17	Dita Zami Kosupa, Feranita Utama	Association between Obesity and Diabetes Mellitus in People Aged $\geq 40$ Years in Indonesia (A Retrospective Cohort Study, Analysis of 2007 and 2014 Indonesian Family Life Survey Data)	Biostatistics And Epidemiology
18	Nurmalia Ermi, Sudijanto Kamso	Factors Related to Age of Menopause in Elderly Mothers in Cimanggis Community Health Center Depok 2018	Biostatistics And Epidemiology
19	Rahmatillah Razak	Low Birth Weight and Asphyxia Neonatorum Risks: A Case-Control Study	Biostatistics And Epidemiology
20	Feranita Utama, Anita Rahmiwati, Ditia Fitri Arinda	Prevalence and Associated Risk Factors of Anemia among Teenage Girls	Biostatistics And Epidemiology

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# Certificate

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Dean of Public Health Faculty  
of Sriwijaya University



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Chairman of Committee  
SICPH 2019

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SK IAKMI No. 658/IAKMIPUSAT/SKP-X/2019 : Participant : 3 SKP | Oral Presenter : 5 SKP |  
Keynote Speaker : 5 SKP | Moderator : 3 SKP | Committee : 3 SKP

# Certificate

presented to

**ELVI SUNARSIH**

in contribution as

**PARTICIPANT**

The 2<sup>nd</sup> Sriwijaya International Conference on Public Health (SICPH) 2019  
"The Impact of Climate Change on Infection Disease Transmission"  
Palembang, November 6-7<sup>th</sup> 2019

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