

# PROPOSAL

*Biennial International Conference*

*Safe Community*



*“Impact of Climate Change on Human Health and It’s  
Implications for Safe Communities”*



**Pusat Penelitiandan Pengabdian Masyarakat**  
**Poltekkes Kemenkes Tanjung Karang**  
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# SUMMARY

PusatPenelitiandanPengabdianMasyarakatPoltekkesKemenkesTanjungKarangwill be organizing an online International Conference on the theme “Impact of Climate Change on Human Health and It’s Implications for Safe Communities”. This activity aims to be a forum for disseminating the progress of research development of the Impact of Climate Change on Human Health and It’s Implications for Safe Communities and increasing understanding for stakeholders on a national and international scale.

Agenda will be held on:

Day/ date : Tuesday - Wednesday, 20-21 September 2022  
Place : Zoom meeting room  
Time : 08.30 – 17.00 (Jakarta Time)

The conference is a scientific seminar consisting of plenary lectures, oral and poster presentations. The target participants are academics (lecturers, researchers, and students) and practitioners of health institutions from within and outside the country.

# THEME

## ***“Impact of Climate Change on Human Health and It’s Implications for Safe Communities”***

The sub-themes of the conference include:

- Air Pollution: Asthma, Cardiovascular disease, etc.
- Changes in Vector Ecology: Malaria, dengue, encephalitis, hantavirus, Rift Valley fever, Lyme disease, Chikungunya, West Nile Virus, etc.
- Increasing Allergens: Respiratory allergies, asthma, etc.
- Water Quality Impacts: Cholera, Cryptosporidiosis, Campylobacter, Leptospirosis, Harmful algal blooms, etc.
- Water and Food Supply Impacts: Malnutrition, stunting, anemia, diarrheal disease, etc.
- Environmental Degradation: mental health impacts, etc.
- Global warming: Heat-related illness and death, cardiovascular failure, etc.

# INTRODUCTION

As a health education institution that prepares vocational health personnel consisting of several types of vocational health workers, such as nurses, midwives, health analysts, sanitarians, dental nurses, nutritionists, pharmacist assistants, and dental technicians, giving a large enough role to improve health in the community, through the activities of the Tri Dharma Perguruan Tinggi.

Following the vision and mission of the PoltekkesKemenkesTanjungKarang to carry out the Tri Dharma of Higher Education through education, research and community service efforts, these efforts are carried out focusing on safety and community safety (Safe Community) in the health sector, for this reason, PoltekkesKemenkesTanjungKarang conducts an international conference every

two years which themed Safe Community. The conference theme will be adapted to the conditions and situations in that year. This year, climate change and its impacts on health are a major issue to be appointed as a virtual conference topic.

Recently, the Meteorology Climatology and Geophysics Agency (BMKG) warned that there is the potential for heavy rain accompanied by tornadoes, lightning, and ice grains, in a number of areas in Indonesia between May 13-19, 2022. The large, high cloud will come with wind motion from the West direction called the Madden Julian Oscillation (MJO) air current, reported indonesia.go.id.

Head of BMKG DwikoritaKarnawati often mentions this extreme weather is a phenomenon that arises due to climate change. The weather changed. Climate change experts agree that the earth's temperature is getting hotter. Compared to pre-World War II conditions, the average earth's air temperature has risen by 1.1 degrees Celsius, and will rise to 1.5 degrees Celsius in the next two decades if carbon emissions cannot be cut, reported jpnusanews.com. WHO (2021) has informed that global heating of even 1.5°C is not considered safe, however; every additional tenth of a degree of warming will take a serious toll on people's lives and health.

Climate change is the single biggest health threat facing humanity, and health professionals worldwide are already responding to the health harms caused by this unfolding crisis. Climate change is already impacting health in a myriad of ways, including by leading to death and illness from increasingly frequent extreme weather events, such as heatwaves, storms and floods, the disruption of food systems, increases in zoonoses and food-, water- and vector-borne diseases, and mental health issues. Furthermore, climate change is undermining many of the social determinants for good health, such as livelihoods, equality and access to health care and social support structures. These climate-sensitive health risks are disproportionately felt by the most vulnerable and disadvantaged, including women, children, ethnic minorities, poor communities, migrants or displaced persons, older populations, and those with underlying health conditions (WHO, 2021).

Although it is unequivocal that climate change affects human health, it remains challenging to accurately estimate the scale and impact of many climate-sensitive health risks. However, scientific advances progressively allow us to attribute an

increase in morbidity and mortality to human-induced warming, and more accurately determine the risks and scale of these health threats (WHO, 2021).

PoltekkesKemenkesTanjungKarang is committed to preventive efforts to slow the pace of climate change and contribute to building public awareness to participate in these efforts. Therefore, as an educational institution with research excellence "Safe community" determines the theme of the 2022 international conference with the theme "Impact of Climate Change on Human Health and Its Implications for Safe Communities"

## OBJECTIVES

The main objective of this agenda is to disseminate the progress of research development of the Impact of Climate Change on Human Health and It's Implications for Safe Communities. In particular, this agenda aims to:

- a. Disseminating information about Impact of Climate Change on Human Health and Its Implications for Safe Communities.
- b. Publish health research results, on various themes
- c. Realizing the vision and mission of PoltekkesKemenkesTanjungKarangin research and community service.

## EXPECTED OUTCOME

This international conference expected outcome are:

- a. The holding of an international conference to encourage awareness of the Impact of Climate Change on Human Health and It's Implications for Safe Communities.
- b. Publication of health research results with various sub-themes that have been presented and have been through selection/review by the Editorial Board team will be assisted to be published in International Journals indexed by Web of Science (WoS) and accredited national journals.

- c. Increasing the number of lecturers and researcher publications in international journals indexed by Web of Science (WoS) and accredited national journals.
- d. Realizing the vision and mission of Poltekkes Kemenkes TanjungK arang in research and community service.

## **PARTICIPANT**

The target participants are people who come from academics (lecturers, researchers, and students) as well as practitioners of health institutions from within and outside the country.

## **AGENDA**

The virtual international conference with the theme "Impact of Climate Change on Human Health and Its Implications for Safe Communities" is planned to be held for 2 (two) days on:

Day/ date : Tuesday - Wednesday, 20-21 September 2022  
Place : Zoom meeting room  
Time : 08.30 – 17.00 (Jakarta Time)

This conference is in the form of a scientific seminar, both oral and poster presentations. Scientific seminars in the form of plenary activities on a panel consisting of keynote speakers and invited speakers. The speakers presented included elements of education (academics), scientific (researchers) both from within the country and abroad as well as related stakeholders. After the invited speakers, parallel oral presentations and poster presentations from international conference participants were held.

# SPEAKERS

NO	NAME	ADDRESS	EMAIL	FIELD OF SCIENCE	EXPECTED THEME
1		Indonesia			Topic:
2		Japan			Topic:
3		Philipina/ Korea/ Taiwan			Topic:
4		America			Topic:
5		Ghana			Topic:
6		Australia			Topic:

# SCHEDULE

Day 1: Tuesday, September 20<sup>th</sup>, 2022

Time (Jakarta Time Zone)	Agenda
08.30 – 09.00 AM	Registration
09.00 – 09.30 AM	Opening ceremony <ol style="list-style-type: none"><li>1. Singing out national anthem “Indonesia Raya”</li><li>2. Welcome speech committee</li><li>3. Opening by Director Polkestanka</li></ol>
09.30 – 10.00 AM	Keynote speaker
10.00 – 10.50 AM	Seminar I (offline presentation)
10.50 – 11.40 AM	Seminar II (online presentation)
11.40 – 12.00 PM	Luncheon seminar dari sponsor
12.00 – 01.00 PM	Break time
01.00 – 04.00 PM	Oral Presentation (Paralel session)

Day 2: Wednesday, September 21<sup>th</sup>, 2022

Time (Jakarta Time Zone)	Events
08.30 – 09.00 AM	Registration
09.00 – 09.45 AM	Seminar III (online presentation)
09.45 – 10.30 AM	Seminar IV (online presentation)
10.30 – 11.15 AM	Seminar V (online presentation)
11.15 – 12.00 AM	Discussion
00.15 – 00.30 PM	Luncheon seminar dari sponsor
00.15 – 01.15 PM	Break time
01.15 – 03.30 PM	Oral Presentation (Paralel session)
03.30 – 04.00 PM	Closing ceremonial





**icsc 2022**

## **Organizing Committee of International Conference**

Pusat Penelitian dan Pengabdian Masyarakat

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