



BOOK OF ABSTRACT

The 3rd International Conference
on Environmental Risks and Public Health (ICER-PH)

ICER-PH 2018

Department of Environmental Health,
Faculty of Public Health, Hasanuddin University

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Good Morning Ladies and Gentlemen
Welcome to Makassar, South Sulawesi, Indonesia

The 3rd International Conference on Environmental Risks and Public Health (ICER-PH) “Environmental Challenges and Global Health Impact”

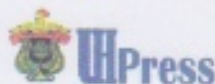
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Makassar

Department of Environmental Health,
Faculty of Public Health, Hasanuddin University

Editors:

Dr. Hasnawati Amqam, SKM., M.Sc.
Muh. Fajaruddin Natsir, SKM., M.Kes
Reni Suhelmi, SKM

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WELCOME SPEECH

Good Morning Ladies and Gentlemen

Welcome to Makassar, South Sulawesi, Indonesia

It's my pleasure to welcome the participants from different cities and countries came to this Opening of the International Conference. We will be here to exchange experience and work together from 26 and 27 October 2018 on the exciting field of Environmental Risks and Public Health (ICER-PH2018).

This is the third of a new series of annual academic conferences exploring how Environmental can effect Human health could be utilized in teaching, learning, and educational Process. For many years, the Faculty of Public health has been organizing conferences in a the area of public health and environmental risks with some co organizer such as Persakmi, EHSA and some industries that have a similar program.

I am delighted to see that many institutions have again organized a new series of annual conferences that capitalize on our strengths and have built on our common commitment to promoting effective use model and method of calculating the environmental risks and the potential impact to human. At this conference adopt a timely theme "Environmental Challenges and Global Health Impact".

If we take a look at the ICER-PH Conference Programe, we will find that this Conference is going to be busy and productive. There is a lot to offer for a two days event, and at the third day we offer a city tour for Makassar city and Maros City. I would like to take this opportunity to thank the ICER-PH 2018 Conference Organizing Committee for their smart and diligent work. I would also like to thank participants, especially those of you coming from abroad and from other provinces, for joining us and sharing your valuable experience and ideas. It is essential to bring together experts in the field of technology *in* education so that we can realize together the potential of model environmental risk and Effect to the human health education.

In closing, I hope that all of you will enjoy the Conference, and I wish our visitors from abroad and different provinces will have a very pleasant stay in our Makassar city.

Thank you.

dr. Hasanuddin Ishak, MSc.Ph.D

Conference Chair

ICER-PH 2018 Secretariat

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17. Health Risk Analysis Of Exposure To So2 And No2 On Trader In Pasar Siteba Padang City

Aria Gusti

Faculty of Public Health, Andalas University

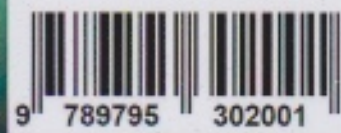
The problem of air pollution is a global problem that almost all countries experience. The causes of air pollution usually come from motor vehicles and industrial sources. One of the activities is quite crowded visited by the community and transportation is the market. This study aims to analyze the level of health risk exposure SO₂ and NO₂ on traders in Siteba Market Padang City. This research is a quantitative research with Environmental Health Risk Analysis method (EHRA). The concentrations of SO₂ and NO₂ were measured at 3 points and 81 respondents were taken randomly. From the measurement results obtained average SO₂ concentration is equal to 113 mg/m³ and the average NO₂ concentration is 3 mg/m³. The results of the SO₂ and NO₂ exposure assessment on the traders were respectively 0.005204 mg / kg / day and 0.00015604 mg / kg / day. The result of calculation of exposure risk characterization of SO₂ and NO₂ on traders in Siteba market got exposure risk level (RQ) <1. Then it can be concluded that ambient air quality is safe. However, still found complaints of health problems and discomfort to the air quality delivered by the respondents during the study. Need research to assess other air quality parameters that affect the respiratory distress felt by traders in the market.

Keywords: risk analysis, SO₂, NO₂, trader

Penerbit:



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Certificate of Appreciation

This to certify that

Aria Gusti

has participated in

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It was held on October 26th-27th, 2018 at Harper Hotel, Makassar
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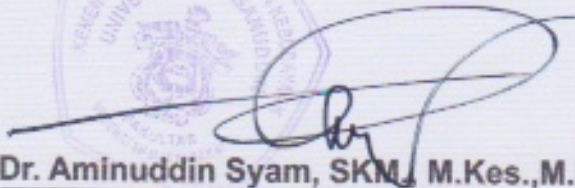
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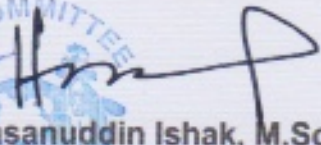
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