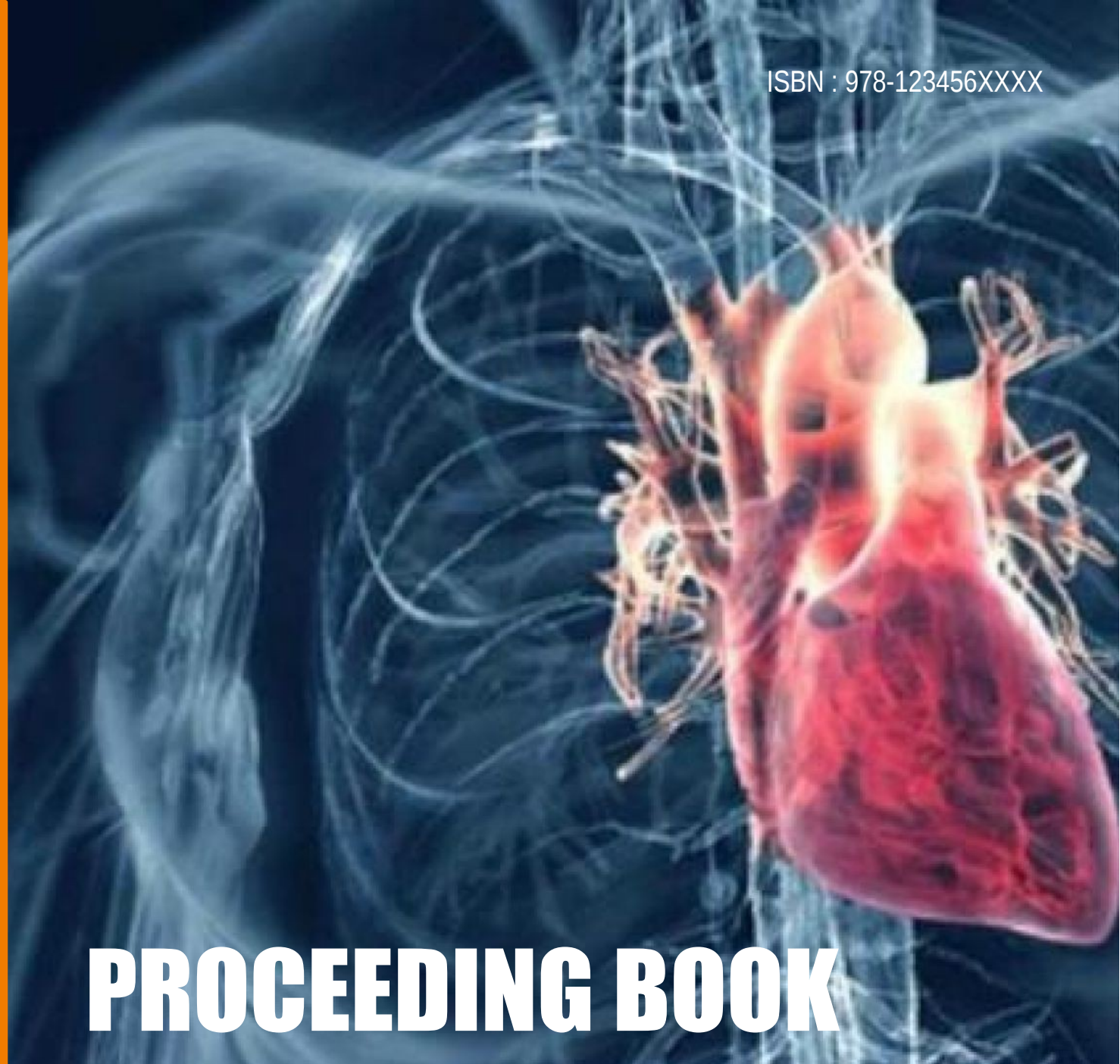


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Yogyakarta, May 14-17, 2016

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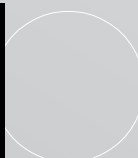
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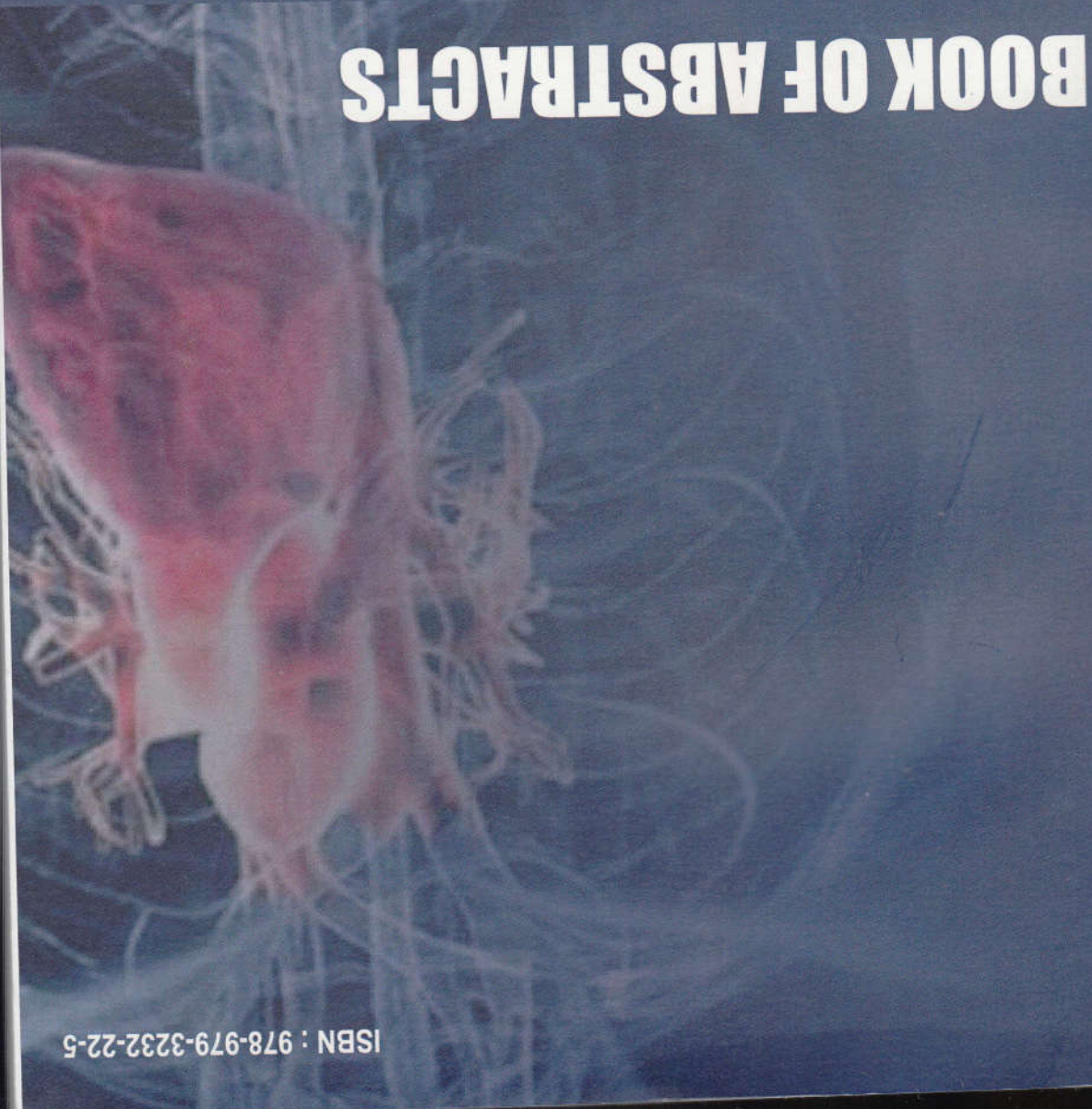
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CARDIOVASCULAR DISEASES

International Conference

BOOK OF ABSTRACTS



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BOOK OF ABSTRACTS

**INTERNATIONAL CONFERENCE
CARDIOVASCULAR DISEASES**

Integrated Approach from Basic, Clinical Science, Public Health and Bioethics

Editor

Rahma Yuantari
Novyan Lusiana

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CAD-IV

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PRELIMINARY STUDY: (ALERT) BASIC LIFE SUPPORT GROUP ESTABLISHMENT OF POLICE FOR OUT OF HOSPITAL CARDIAC ARREST TREATMENT IN YOGYAKARTA

Trick Hidayat¹, M. Irfan Fanani², Irawati Hidayah², Hanif Febrian Akbar², Faris Bariqi², Ira Safira²
Professor of Medicine and Health Science Universitas Muhammadiyah Yogyakarta.
Student of Medicine and Health Science Universitas Muhammadiyah Yogyakarta.
Muhammadiyah Yogyakarta

Objective:

The purpose of this present study was to systematically review the existing literature about training of basic life support for Out of Hospital Cardiac Arrest treatment.

Materials and methods:

10 studies were identified through the Resuscitation Journal, science direct, simulation in health care, and American Heart Association. We conducted a comprehensive search for eligible studies as using keyword basic life support, cardiac arrest, out of hospital cardiac arrest, traffic accident, trauma, and police officer.

Result:

Preliminary study done in ten different articles showed that basic life support simulation and training have positive effect on respondents. Five of studies showed that basic life support training and simulation increase respondents skill and performance, four studies stated the increasing of self efficacy and confidence, and one of the study showed that respondents still have a good memory on basic life support training after several months.

Conclusion:

Based on the reviews mentioned above, simulation based training plays role in increasing respondents' skills and performance in conducting basic life support. Some journals also state that basic life support increases survival rate of out of hospital cardiac arrest (OHCA).

Keywords: Cardiac arrest, basic life support, out of hospital cardiac arrest, police.

IC RISK FACTOR IN

Abdul Rashid Abdul Rahman

ences, Selangor, Malaysia

metabolic syndrome (Mets)

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Malay women. We compared

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P-053

DEVELOPMENT OF HUMAN ENDOTHELIAL CELL CULTURE METHOD (HUMAN UMBILICAL VEIN ENDOTHELIAL CELLS) FOR RESEARCH ANTI-AGING CARDIOVASCULAR

Titek Hidayati¹, Ardi Pramono², Muhammad Ikhlas Jenie³

¹Departemen Epidemiologi, Family Medicine and Public Health, Faculty of Medicine and Health Sciences, Universitas Muhammadiyah Yogyakarta,
²Departemen Biochemistry and Anesthesiology, Faculty of Medicine and Health Sciences, Universitas Muhammadiyah Yogyakarta,
³Departemen Physiology, Faculty of Medicine and Health Sciences, Universitas Muhammadiyah Yogyakarta

Background:

The morbidity and mortality of cardiovascular disease in Indonesia is high. Endothelial cells play a key role in the pathogenesis of cardiovascular disease. Endothelial role as regulator in hemostasis and coagulation, vasomotor regulation, angiogenesis and permeability. Until now, the development of culture methods of human umbilical vein endothelial cells (HUVEC) are based on foreign protocols that are often not in accordance with the laboratory conditions in Indonesia. Need to develop a model of HUVEC cell cultures for testing the mechanism of pathogenesis of cardiovascular disease in cultured endothelial cells. Culture of human endothelial cells from umbilical vein would be presented as a model of anti-aging research cardiovascular endothelial cells in vitro.

Method:

The study was conducted with the design of experiments in vitro on HUVEC cells. Vein endothelial cells isolated from the placenta. Activity in the research is to pilot plant umbilical vein endothelial cells (HUVEC) and standardize the incubation time and the concentration of collagenase as a determinant factor of growth and cell morphology. Incubation time and the concentration of collagenase is able to foster the culture of HUVEC best set as a standard method in HUVEC culture protocol.

Results:

The study has gained HUVEC culture method in accordance with the conditions Gadajh Mada University LPPT laboratory. Growth and development of colla-