

[14-16 November 2009]

INTERNATIONAL SYMPOSIUM, SEMINAR AND WORKSHOP

THEME:

"THE HOLISTIC INTERACTION BETWEEN LIVING ORGANISMS AND ENVIRONMENT FOR BETTER QUALITY OF LIVING"

INDONESIAN PHYSIOLOGICAL SOCIETY

IKATAN AHLI ILMU FAAL INDONESIA (IAIFI)

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INTRODUCTION

The priority in national development program should always be the improvement of the quality of life and community prosperity through the enhancement of food security, health, and education. The issues on those three national strategic program should be addressed through interdisciplinary and holistic endeavor.

Physiology is a science that delves into the function, process and response of cell and organs of plants and animals as well as humans to their environment. This discipline of science has important role in the expansion of knowledge and the improvement the quality of life. For example, plant physiology has important contribution to the innovation of the productivity and quality of food crops, plantation and horticulture. Attempt to increase plant growth and production through improvement of photosynthesis and nutrient supply efficiency, phytohormon application as well as genetic engineering is some aspect of plant physiology that have been and will continuously be developed in the future. Plant physiology has also been used in the attempt to develop medicinal plants that can produce rich natural compounds either through environmental modification, *in vitro* culture techniques or genetic engineering.

Similar situation is also true to the field of animal husbandry, fisheries and veterinary. Up to the present, problem in low nutrition intake, especially of animal protein, is a health problem that has not been solved comprehensively. Another health problem, such as the emergence and reemergence zoonotic diseases, have always become health problem that should be solved by both veterinary and medical sciences through physiological sciences directly or indirectly.

The significant role of physiological sciences, especially that of human physiology, has been significant for a long time in the progress and development of medical science, such as in diseases prevention and treatment. The knowledge of physical fitness is also founded on human physiology, and has recently become an important part of modern life style of the communities. The physiology of exercise has been in the forefront of the health promotion by promoting physically active lifestyle and the use of exercise to promotion of health, prevention and treatment of disease as well the rehabilitation program.

Human, plant and animal physiologists are important human resources that play important roles in development of national resources for the bright future of Indonesia as a nation. Therefore, Indonesian Physiological Society (IAIFI) as a professional organization in the field of physiology must play active roles in the advancement of the knowledge and expertise of its members.

IAIFI Annual Meeting is a medium where gathering, discussion and sharing of knowledge as well as collaboration among the IAIFI members occur. It is expected that such annual meeting will advance the scientific knowledge and capacity as well as collaborations among IAIFI members who belong to very diverse disciplines such as agriculture, animal husbandry, fisheries, forestry, pharmacy, veterinary and medical science. In addition, the annual meeting will also be a good means of producing high quality scientific papers that can be published in national, regional or international scientific journals. This is important because, recently there has been a very limited number of international scientific papers written by Indonesian scientists. In other words, efforts must be taken to increase the number of international publications through which Indonesian scientists can gain international recognition.

IAIFI Scientific Meeting 2009 will be held in the form of National Seminar with theme "*THE HOLISTIC INTERACTION BETWEEN LIVING ORGANISMS AND ENVIRONMENT FOR BETTER QUALITY OF LIVING*". It is expected that IAIFI members will embody this theme and be motivated to implement their best expertise in field of human, plant, animal, and environmental physiology to improve and sustain quality of life of the people. The main issue of this annual meeting will be "The role of physiology in creating prosperity of the community in terms as food security, health and education". This event will be carried out by IAIFI in collaboration with Bogor Agricultural University (IPB).

The collaboration with institutions of higher learning is a must considering the fact that most physiologists with very diverse specialization work for these institutions. It is expected that by involving physiologists with many different backgrounds including medical, veterinary, agriculture, forestry, animal husbandry and fisheries could make up a complete mosaic of physiological science in Indonesia.

This IAIFI annual meeting will involve lecturers, researchers, practitioners and those who have keen interest in physiology that come from government and private sectors. The success of this event depends much on the contributions made by all IAIFI members, be it as individuals or institutions. It is hoped that this IAIFI event will support the progress of physiology in Indonesia as well as the effort to build a writing-culture among its members thus more will publish scientific papers in regional and international scientific journals.

OBJECTIVE AND TARGETS

The objective of the IAIFI annual meeting is to conduct International Symposium, Seminar and Workshop. The event will involve physiologists from Indonesia and International scientific community who will present their research in this seminar. This annual meeting will also select scientific papers from the field of human, plant, animal and environment that are worthy to be published in national, regional and international scientific journals.

The target of this annual meeting will be all IAIFI members, researchers and those who have keen interest in the field of physiology. The list of IAIFI members that are potential to produce papers based on their research activity and acquired research grant are enclosed in Appendix 5 and 6.

PLACE AND TIME

The IAIFI Annual Meeting 2009 will be conducted at IPB-Internatioanl Convention Center, Botani Square, IPB Baranang Siang Campus, Bogor on 14-16 November 2009.

OUTPUTS

The outputs of the IAIFI Annual Meeting 2009 will be:

- 1. A successful event of an International Symposium, Seminar and Workshop.
- 2. A total of minimum 48 papers selected to be published in national (16 papers), regional (16 papers) and international scientific journals (16 papers).

THE FORM OF ACTIVITY

The IAIFI Annual Meeting 2009 consists of two parts that will be conducted in 3 days. The first part will be symposium, seminar and scientific presentation that will be held in the first 2 days. The symposium will be held in the main venue where presentation of papers will be done. The topic of the presentations and their respective presenters is listed in Table 1. Seminar and presentation of free papers that has been pre-selected by organizing committee (OC) and reviewers will be conducted in parallel sessions. The papers will be classified based on the topics (Table 2). The OC will appoint professors in the related field of physiology who have successfully written and published their papers in national, regional dan international scientific journals, as reviewers. The list of reviewers is presented in appendix 1. During paper

presentation, reviewers will evaluate and select the presented papers that have potential to be published in national, regional and international scientific journals.

The second part of the annual meeting will be post-seminar workshop to refine the selected manuscripts that will be held in the third day of meeting. This workshop will involve the participants whose manuscript has been selected to be published in regional and international scientific journals. During the workshop, the participants will learn how to prepare and write manuscript for international publication from reviewers/editors of international scientific journals.

Tabel 1. Topics and Presenter of Symposium

No.	Topik-topik dalam simposium	Pembicara dan asal Universitas
1.	The role of physiology in the improvement of human quality of life	Prof. Dr. dr. William Danzler (Amarican Physiological Society)
2.	Interactions of plant physiology, human health and environment	Prof. Thomas Dresselhaus (Hamburg University)
3.	Management and control of emergence and reemergence of zoonotic diseases in Indonesia	Depkes RI atau Deptan RI
4.	Integrating forest, agriculture and marine sciences for a better environment and human health	Prof . Dr. Cecep Kusmana, MSc (IPB)
5.	Animal welfare and ethics for biomedical research	Prof. Dr. Drh. Dondin Sayuti (IPB)
6.	Nutrition and environmental quality highly influence athlete quality	Prof. Dr. dr. A. Purba (FK-UNPAD)
7.	The role of physiological research in food security	Prof. Dr. Ir. H.M. Bintoro (IPB)

Tabel 2. Group topics of free paper

No.	Topics
1.	Indigenous plants medicine
2.	Animal health and production
3.	Physiology and human health
4.	Ecology and Physiology in Agriculture, marine and forest
5.	Sport physiology
6.	Ergonomic
7.	Environment and health

The OC of the IAIFI Annual Meeting 2009 will provide the following award for selected participants such as:

- (1) free registration, accomodation and transport expenses for participants whose manuscript has been selected to be published in international scientific journal,
- (2) free registration and accomodation for participants whose manuscript has been selected to be published in regional scientific journal,
- (3) free registration for participants whose manuscript has been selected to be published in an accredited national scientific journal.

The flow chart of the IAIFI Annual Meeting 2009 is presented in Table 3 and Figure 1. The tentative schedule of the symposium and seminar can be seen in appendix 2. To support this event, The National Headquarters of the Indonesian Physiological Society (IAIFI) in cooperation with Bogor Agricultural University (IPB) have voted the organizing committee of the IAIFI Annual Meeting 2009 that is presented in appendix 3.

Table 3. Time Schedule of International Seminar and Publication Workshop

No.	Activities	Coordinator	Date
1	Seminar announcement and call for papers	Committee	18 June - 18 September 2009
2	Pooling papers and Reviewing Process I	Committee and Reviewer	19 September - 19 October 2009
3	Acceptance announcement as presenter	Committee	19-22 October 2009
4	Manuscript Editing	Participants/Authors	22 October - 4 November 2009
5	Symposium and Seminar event	Committee, Reviewer, and All Participants	14 - 15 November 2009
6	Reviewing Process II	Reviewer	14- 15 November 2009
7	Announcement of potential papers award for international and regional publication	Committee	15 November 2009
8	Post seminar workshop for preparing of international and regional publication	Committee, Reviewer, and International editors	16 November 2009

Appendix 1.

The name of reviewer candidates for national, regional and international journals based on the knowledge subject

- 1. Medical Physiology:
 - a. Prof. Dr. Harjanto (Unair, Surabaya)
 - b. Prof. Dr. Rahmatina (Unand, Padang)
 - c. Prof. Dr. Qomariah (Yarsi, Jakarta)
 - d. Dr. dr. Setiawan, AIFO (Unpad, Bandung)
- 2. Sport Physiology:
 - a. Prof. Dr. dr. Ambrosius Purba, AIFO (Unpad, Bandung)
 - b. Prof. Dr. Gusbakti (UISU, Medan)
 - c. Prof. Dr. dr. Albert Hutapea (Unai, Bandung)
 - d. Dr. Beltasar Tarigan, AIFO (Unpad, Bandung)
- 3. Plant Physiology:
 - a. Prof. Dr. Selamat Susanto (IPB, Bogor)
 - b. Prof. Dr. H.M. Bintoro (IPB< Bogor)
 - c. Prof. Dr. Juliati (Unpad, Bandung)
 - d. Dr. Miftahudin (IPB, Bogor)
- 4. Animal Physiology:
 - a. Prof. Dr. Wasmen Manalu (IPB, Bogor)
 - b. Prof. Dr. Harsono (Unpad, Bandung)
 - c. Prof Dr. Nila (Unand, Padang)
 - d. Dr. Agik Suprayogi (IPB, Bogor)
- 5. Molecular Physiology
 - a. Prof. Dr. M. Rasyad Indra (UB, Malang)
 - b. Prof. Dr. Irawan Jusuf (Unhas, Ujung Pandang)
 - c. Prof Dr. Sri Subekti (UI, Jukarta)
 - d. Dr. rar.nat. Suseno Amien (Unpad, Bandung)
- 6. Ergonomic Physiology
 - a. Prof. Dr. A. Manuaba (Unud, Denpasar)
 - b. Prof. Dr. Sutjana (Unud, Denpasar)
 - c. Prof. Dr. Adiputra (Unud, Denpasar)
 - d. Dr. I Putu Gede Adiatmike (Unud, Denpasar)

Appendix-2

Tentative schedule of International Symposium, Seminar and Workshop in Physiological Science by Indonesian Physiological Society

Day/Date	Time	Symposium/Seminar Activity	
Saturday 14 November 2009	08.00 - 09.00	Registration	
	09.00 - 10.00	Opening Ceremony: Committee Report Speech of Central IAIFI Committee Speech of IPB Rector	
	10.00 - 10.15	Coffee Break-1	
	10.15 - 10.45	Keynote Speaker	
	10.45 - 10.20	Prof. Dr. dr. William Danzler (American Physiological Society)	
	10.20 - 11.55	Prof. Thomas Dresselhouse (Hamburg University)	
	11.55 - 13.00	Lunch Break	
	13.00 - 13.30	Posters Session	
	13.30 - 15.30	Free Papers session 1 and 2 (24 papers)	
	15.30 - 15.45	Coffee Break-2	
	15.45 - 17.15	Free Papers session 1 and 2 (18 papers)	
	Sunday, 15 November 2009		
		09.00 - 09.30	Symposium 4
09.35 - 10.05		Symposium 5	
10.05 - 10.35		Coffee Break-1	
10.35 - 11.05		Symposium 6	
10.05 - 10.40		Symposium 7	
11.40 - 13.00		Lunch Break and prayer time	
13.00 - 15.00		Free Papers session 5 and 6 (24 papers)	
15.00 - 15.15		Coffee Break-2	
15.15 - 16.45		Free Papers session 7 and 8 (18 papers)	
16.45 - 17.15	Closing Ceremony of Symposium and Seminars and Announcement of IAIFI Award		
Monday, 16 November 2009	09.00 - 10.30	Editorial for International Journal Explanation	

	10.30 - 12.00	Reviewer commission - 1
	12.00 - 13.00	Lunch Break and prayer time
	13.00 - 15.00	Reviewer Commission - 2
	15.00 - 15.15	Closing Ceremony for Workshop

Appendix 3.

The Committees of the IAIFI International Symposium and Seminar

The National Headquarters of the Indonesian Physiological Society (IAIFI) in cooperation with Bogor Agricultural University (IPB) have voted the following committees to oversee and carry out the symposium and seminar:

- **Steering Committee:**

Prof. Dr. A. Purba, dr. MS., AIFO (IAIFI National President)

Prof. Adnyana Manuaba

Prof. Dr. Djokowoeryo Sastradipradja

Prof. Dr. Sudarso Djojonegoro

Prof. Dr. Sri Hartini Sjahfri Sikar

Prof. Dr. Reviany Widjajakusuma

Prof. Dr. H. M. Bintoro

Prof. Dr. Wasmen Manalu

Prof. Dr. Albert M. Hutapea, AIFO

Dr. Drh. Hamdani Nasution

Dr. Beltasar Tarigan, MS., AIFO

Dr. Agik Suprayogi, MSc., AIF. (Chairman, IAIFI Bogor Branch)

Dr, Drh. Heru Setijanto

Dr. Ir. Ervizal AM. Zuhud

Dr. dr. Setiawan, AIFO

Dr. Ir. Hamim, M.Si. (Chairman of the Organizing Committee)

- Organizing Committee:

Coordinator : Dr. Ir. Hamim, M.Si.

Co-Coordinator : Dr. drh. Hera Maheshwari, M.Sc

Secretary : Dr. drh. Aryani Sismin S, M.Sc

Traisurer : Yuni Lazuardi, dr. M.Kes. AIFO.

Dr. Ietje Wientarsih, MSc, Apt.

Secretarial :

- 1. Dr. drh. Aryani Sismin S, M.Sc
- 2. Dr. drh. Koekoeh Santoso
- 3. drh.Aulia Andi Mustika
- 4. Aji Winarso, SKH

Fund rising : 1. Drh. Zuraida, M.Si., PP IAIFI
2. Dr. Syamsul Falah
3. Ir. Keni Sultan, M.Si.
4. drh. Abadi Sutisna, M.Si.

Scientific Section:

- 1. Prof. Dr. H. M. Bintoro
- 2. Dr. Ir. Ervival AM. Zuhud
- 3. Dr. dr. Setiawan
- 4. Dr. Ir. Miftahudin
- 5. drh. Endang Rachman, MS.
- 6. Dr. Nastiti Kusumorini
- 7. Dr. rer. nat. Suseno Amien
- 8. Drh. B. Isdoni
- 9. Dr. Bambang Kiranadi
- 10. Dr. Hamdani Nasution
- 11. dr. Mira Dewi, MSc.

Program Section:

- 1. Dr. Triadiati, Msi.
- 2. dr. Mira Dewi, MSc.
- 3. Kasiyati, S.Si
- 4. drh. Maria Fatima Palupi
- 5. Ir. Henny Syawal M.Si

Consumption Section :

1. Dr. Triadiati, M.Si.
2. Hernawati, S.Si., M.Si
3. Safrida, S.Pd., M.Si

Publication Section:

1. Drh. Huda S. Darusman
2. Adrien Jems Akiles Unitli, S.Si., M.Si
3. Sunarno, S.Si., M.Si
4. Dodi Darmakusuma, S.Si., M.Si
5. Leonardus Lubis, dr. M.S. AIFO.

Logistic and Accommodation Section:

1. drh. Andryanto
2. drs. Pudji Achmadi