



THE SECOND

# ICATD

International Conference on  
**AGROMEDICINE & TROPICAL DISEASES**  
MEDICAL FACULTY - UNIVERSITY OF JEMBER

# PROCEEDINGS

Current trends, challenges, and issues in Agricultural Medicine :  
"From Rural to Urban, from Ocean to Island, and Molecular to Clinical"

OCTOBER 20-21, 2018

# **PROCEEDING**

## **2<sup>nd</sup> INTERNATIONAL CONFERENCE ON AGROMEDICINE AND TROPICAL DISEASE**

**“Current Trends, Challenges, and Issues in Agricultural Health Medicine: From Rural  
to Urban, Ocean to Island and Molecular to Clinical”**

Aston Jember Hotel and Conference Center, Jember, East Java  
October, 20<sup>th</sup> – 21, 2018

**UPT PENERBITAN  
UNIVERSITAS JEMBER**

**2<sup>nd</sup> INTERNATIONAL CONFERENCE ON AGROMEDICINE  
AND TROPICAL DISEASE**  
**“Current Trends, Challenges, and Issues in Agricultural Health Medicine: From Rural  
to Urban, Ocean to Island and Molecular to Clinical”**

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## GREETING MESSAGE

Assalamualaikum Wr. Wb.  
Good morning and best wishes

The Honorable, Rector of University of Jember  
The Honorable, Dean Faculty of Medicine, University of Jember  
The Honorable, All Speaker of The Conference  
The Honorable, Guest  
The Honorable, Conference Committee  
Dear All, All Participants of The Conference

The Faculty of Medicine, University of Jember organize **The International Conference on Agromedicine and Tropical Diseases (ICATD)** that has been held biannually at different venues. The first time, ICATD held in The Faculty of Medicine, University of Jember on 2016 and now we organize the second ICATD at Aston Jember Hotel and Conference Center on October 20<sup>th</sup> -21<sup>st</sup>, 2018.

Agromedicine is needed to provide occupational and environmental health safety in agriculture. In the simple definition, agromedicine is a study of human health related to agriculture. The needs for agromedicine research for the improvements on occupational and environmental health and safety in agriculture are growing. The challenges in tropical disease are also increasing that requires a global solution for prevention and elimination. This event would facilitate dissemination of research on this topic, and surely, it will be an outstanding place for networking opportunities to discuss interesting ideas and develop the fruitful project in the future. As a major goal of this event, we hope that it can be an excellent chance for coordinating new partnerships which advance collaboration in the research field as well as the career of all participants. The researchers, practitioners and students from universities, health institutes, hospitals, chemists, government and non-government agencies in health sciences could actively participate on this conference.

Researches in agromedicine and tropical disease field have to be encouraged. One of the way to encourage the development of agromedicine and tropical disease research in Indonesia, and in all over the world, is to promote scientific forums, where scientists can share their experiences, publish their results, and get new insight/idea for the improvement of their research.

Jember is a city full of wonder located in the East Java province, Indonesia. Jember area is dominated by farming, plantation, and fishing, on the other hand Jember has a beautiful view of mountains and beaches. It is a great privilege for me to serve as the chair of the 2nd ICATD and it is my hope that this international event will expand our horizon in agromedicine and tropical diseases, particularly in current trends, challenges and issues in Agricultural Health medicine.

**Yunita Armiyanti**  
Chair of the 2nd ICATD Organizing Committee

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**PROGRAM**  
**2<sup>nd</sup> INTERNATIONAL CONFERENCE ON AGROMEDICINE AND**  
**TROPICAL DISEASE**  
**“Current Trends, Challenges, and Issues in Agricultural Health Medicine: From Rural**  
**to Urban, Ocean to Island and Molecular to Clinical”**

**DAY 1 : 20 October 2018**

|               |                    |   |
|---------------|--------------------|---|
| 07.30 – 08.30 | Registration Day 1 |   |
| 08.30 – 09.00 | Opening Ceremony   | Opening Ceremony  |
|               |                    | Traditional Dance   |
|               |                    | Speech:   |
|               |                    | 1. Chairwoman of organizing (DR. dr. Yunita Armiyanti, M.Kes)                         |
|               |                    | 2. Dean of Faculty of Medicine University of Jember (dr. Supangat, M.Kes, PhD, SP.BA) |
| 09.00 – 11.30 | Plenary Session    | Keynote Speaker I (Prof. DR. dr. Nasronudin, Sp.PD., K-PTI FINASIM)                   |
|               |                    | Keynote Speaker II (Prof. Drs. Bambang Kuswandi, M.Sc., Ph.D)                         |
|               |                    | Keynote Speaker III (Prof. Susan Alison Brumby)                                       |
|               |                    | Discussion  |
| 11.30 – 13.00 | Lunch (ISHOMA )    |   |
| 13.00 – 15.00 | Paralel Session    | Oral & Poster presentation  |
| 15.00 – 15.30 | Coffee break       |   |
| 15.30 – 17.00 | Bussiness Meeting  | Establishment of Konsorsium Agromedis Indonesia (invitation only)                     |

**DAY 2 : 21 October 2018**

|               |                    |   |
|---------------|--------------------|---|
| 07.30 – 08.00 | Registration Day 2 |   |
| 08.00 – 10.40 | Plenary Session    | Keynote Speaker IV (Prof. Chihaya Koriyama, MD, Ph.D)     |
|               |                    | Keynote Speaker V (Dr. Vickneshwaran Muthu)               |
|               |                    | Keynote Speaker VI (Dr.rer.nat. Anna Artati, M.Sc., M.Si) |
|               |                    | Discussion  |
| 10.40 – 12.40 | Parallel Session   | Oral & Poster presentation                                |
| 12.40 – 13.30 | Lunch              |   |
| 13.30 – 14.00 | Closing ceremony   |   |



**ORAL PRESENTATION**

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