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ISLAM
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ISBN : 978-979-98417-5-9



**ICPRP
2018**



**INTERNATIONAL
CONFERENCE ON
PHARMACEUTICAL
RESEARCH
AND PRACTICE**

Conference Proceeding

Yogyakarta 5-6 October 2018 | The Alana Hotel
Department of Pharmacy Universitas Islam Indonesia



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INTERNATIONAL CONFERENCE ON PHARMACEUTICAL RESEARCH AND PRACTICE
ISBN: 978-979-98417-5-9 | Universitas Islam Indonesia
PROCEEDING BOOK

**INTERNATIONAL CONFERENCE ON PHARMACEUTICAL RESEARCH AND
PRACTICE**

Jointly Organized by:

Department of Pharmacy Universitas Islam Indonesia

and Kulliyah of Pharmacy International Islamic University Malaysia

Theme: Accelerating Pharmacy Education and Research, Responding Global Development on
Pharmaceutical Regulation and Practice

The Alana Yogyakarta Hotel And Convention Center

Yogyakarta, Indonesia

3-6 October 2018

DEPARTMENT OF PHARMACY

UNIVERSITAS ISLAM INDONESIA



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Welcome Address from Chairperson of Organizing Committee

Honorable President of Indonesian Association of Pharmacy Higher Education **Prof. Dr. Daryono Hadi Tjahjono, Apt.**

Honorable Rector Universitas Islam Indonesia **Dr. Fathul Wahid, ST, MT**

Honorable Dean Faculty of Science and Mathematics, Universitas Islam Indonesia **Prof. Riyanto, M.Si., Ph.D.**

Distinguished Guests

And all participants of ICPRP 2018

Assalamu'alaikum wr wb

In the name of Allah, Most Gracious, Most Merciful

Praise be to Allah, the Cherisher and the Sustainer of the worlds, to give us this opportunity to gather in this conference.

Thank you for joining with us in the **International Conference on Pharmacy Research and Practice (ICPRP)** organized by Department of Pharmacy, Universitas Islam Indonesia. It's a great honor that in this conference, pharmacists and other health professions from different fields have been participated. The main theme of the ICPRP is "**Accelerating pharmacy education and research, responding global development on pharmaceutical regulation and practice**". This conference presents one plenary session and six symposiums agenda with 18 speakers from 7 countries.

On behalf of the organizing committee, sincere appreciations are expressed to **Prof. Dr. Daryono Hadi Tjahjono, Apt.** and **Dr. Fathul Wahid, ST, MT** who give keynote lecture and also for all invited speakers. We also would like to thank to all members of the Organizing Committee for the good teamwork and the great effort, and also for all sponsors for good collaboration in bringing forth the conference.

We also would like to apologize if our efforts and our services still unfulfilled your satisfaction. We sincerely hope that every participant will enjoy this congress.

Finally, we hope that this conference will give beneficial contribution toward improving the scientific atmosphere, especially in the field of Pharmaceutical Sciences and Pharmacy Practices.

Last but not least, enjoy the conference and have fun during your visit in Jogjakarta

Wassalamu'alaikum wr wb

Thank you for your attention

Dr. Arba Pramundita Ramadani, Apt
Chairperson of Organizing Committee



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GENERAL INFORMATION

Over the last few decades, the average life expectancy of human beings worldwide has increased substantially. However, increased infections and emerging diseases on the aging population, such as syndrome metabolic and cardiovascular diseases accompany this longevity growth. This has led increased research in pharmaceutical nanotechnology, pharmacology, material sciences, microbiology, and also a genomic metabolomics approach to develop and provide drugs which have promising safety and effectiveness.

With so many ready-to-use drugs from the pharmaceutical industry, the current role of healthcare professionals is the ability to keep abreast of the latest therapeutic developments. On the other hand, a new paradigm of health services emphasizes patient-centered and team-based care. This requires a change in the field of health education. Inter-professional education becomes a necessity for the realization of collaborative therapy management in the practice of health services. Therefore, the development of health education should improve following the development of research in the field of pharmaceutical and clinical research as well. Thus, this conference will discuss the importance of inter-professional education top emerging diseases and their management with the advanced therapy & technologies.

The International Conference on Pharmaceutical Research and Practice (ICPRP) is an interdisciplinary forum and will serve as an open forum for discussion. This conference invites researchers, academicians and practitioners in disseminating, reporting and sharing their experiences, innovations, ideas, and research results.

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ISBN: 978-979-98417-5-9 | Universitas Islam Indonesia

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