

Conference Paper

PREFACE

Universitas Gadjah Mada Annual Scientific Conference (UASC-2016)

It is the Universitas Gadjah Mada's commitment to continue to strengthen the dissemination and to facilitate discussion on research. For this, *Badan Penerbit dan Publikasi* (BPP) UGM organized UGM Annual Scientific Conference (UASC) which accommodate scientific meetings in life science and social science. The UASC Life Science 2016 series consisted of the 1st International Conference of Tropical Agriculture (ICTA) and the 1st International Conference on Health Sciences (ICHS). The 1st ICTA was held on 25–26 October 2016 while the 1st ICHS on 28–29 October 2016.

The 1st ICTA theme was integrated and Sustainable Tropical Agriculture and the conference covered broad topics spanning from agriculture, animal production and health, forestry, fisheries and postharvest technology. In the conference, several internationally recognized experts on agriculture (Indonesia, Japan, Australia, German, Netherland, Bangladesh and Sudan) were joined to enrich the discussion which was directed and emphasized on how the resources in the tropical areas can be integrated to produce food in supporting the world food security. The 1st ICHS theme was on non-communicable diseases and it aimed for supporting the regional growth of biomedical, Techno-med development, and the establishment of pharmaceutical and medical supporting equipment. More importantly, it ensures that patients in our countries and health systems have timely access to good, safe, rational, and effective medicine. The conference speakers came from Japan, Austria, Hong Kong, Australia, and Indonesia.

Both conferences were opened by the Rector of Universitas Gadjah Mada and then followed by plenary speakers who were invited to disseminate the latest progress research on related topics. In the afternoon, the conferences were scheduled for the symposium presentations. For the ICTA the symposiums included tropical fishery, animal health, animal production, tropical forestry and innovative and emerging food technology and management. The ICHS symposiums were cancer, cardiovascular, congenital diseases, diabetes and obesity, drug delivery system.

The current proceedings comprise written contributions of many of selected papers on the 1st ICHS (pp. 1–121) and the 1st ICTA (pp. 122–341). Each paper has been reviewed by at least two reviewers expert on the corresponding field of study. We hope that these

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papers will be beneficial for the development of life science in general and agriculture as well as health science in particular.

Yogyakarta, October 10, 2018



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