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On Natural Mathematical and Environmental Sciences
For Sustainable Development

9-11th OCTOBER



PROCEEDINGS

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**Compiled by Aprida Siska Lestia and Rani Sasmita
Edited by Sasi Gendro Sari**

PREFACE

Assalamu'alaikum Wr. Wb.

All praises are due to ALLAH SWT, God Almighty, Who made this International Conference of successful. The International Conference on Natural, Mathematical and Environmental Sciences (NAMES) 2015 is organized by the Faculty of Mathematics and Natural Sciences (FMIPA), Lambung Mangkurat University, Banjarbaru, South Kalimantan. This conference covered a wide range of topics, including biology, chemistry, physics, mathematics, pharmacy, computer science, material Science, and environmental science.

All papers were compiled into the proceedings book which had six sections, namely Biology, Pharmacy, Chemistry, Mathematics, Physics, and Computer Sciences. This book was also published in the NAMES Website <http://names.fmipa.unlam.ac.id>. I am glad that for the first time both types of books can be realized.

The seminar took a theme of "Sustainable Development" as a hot issue in Banjarbaru. Banjarbaru, is a fast growing city in the province of South Kalimantan, Indonesia and famously known as an urban city with a unique natural landscape, a cultural diversity, and a friendly welcoming citizen. Moreover, Banjarbaru becomes the centre of provincial government that its government is located in Banjarmasin today. The conference provided an ideal platform to share information and discuss their scientific results and experiences, with particular references to sustain development.

I was fully satisfied to all the members of the program committee who contributed for the success in framing the program and the books. My appreciation was especially from all delegates who contributed to the success of this conference by accepting our invitation and submitting articles for presentation in the scientific program.

I can guarantee you that this book provides a full of intellectual scientific research activities. I do hope the next conference will pick up similar success, and even better.

Wassalamualaikum Wr. Wb.
Banjarbaru, March 2016

Dr. Krisdianto
Chief of Executive

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SECRETARIATE

Faculty of Mathematics and Natural Sciences, LambungMangkurat University,
Banjarbaru - South Kalimantan, Indonesia

Jalan A. Yani Km. 36 KampusBanjarbaru 70714, Indonesia

Telp : +62 511-4773112

Fax : +62 511-4782899

Email : names2.2015@gmail.com

Website : <http://names.fmipa.unlam.ac.id>

Contact Person

Sasi Gendro Sari : +6282 150 150 992

Krisdianto : +62822 5595 2022