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EDITORS: ARTRIM KJAMILJI NASSER FARID GERALDO MUHAMMAD JA'FAR LUTHFI





Cover Rat sperm scanning electron microscopy  $\ensuremath{\mathbb{C}}$  Muhammad Jafar Luthfi



FACULTY OF SCIENCE AND TECHNOLOGY Universitas Islam Negeri Sunan Kalijaga Yogyakarta



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## WELCOME SPEECH



Assalamu'alaikum Wr.Wb.

Distinguish guests, speakers, participants, ladies and gentlemen, Good morning!

Today, we hold the International Conference on Science and Engineering. This going to be a great and significant event as the experience will be shared and actions will be explored.

More than 200 experts, researchers, lectures, and students have been invited and attend this conference. Here, please allow me to express my sincere welcome on behalf of the Organizing Committee to all the experts and participant that have participated in this conference!

Ladies and Gentlemen, sciences and engineering are closely related to the development of humankind. We can learn from the past, and we will predict the future. A survey of human civilization shows that the existence of humankind is linked to the development in science and engineering. Indeed, engineering based on a thinking which is mimic the law of nature.

I would like to thank Prof. Driss Boutat, Prof. Khaled Chetehuona, Nasser farid Geraldo, and Mr. Sc. Artrim Kjamiliji as keynote speakers.

I also gratefully thank to the Rector and Vice Rector of UIN Sunan Kalijaga Yogyakarta, Dean and Vice Dean of Faculty of Science & Technology for giving us opportunity to organize this conference. We also thank to all of the organizing committe that contribute to this conference.

Despite our best effort, it is inevitable that there is a lack in organizing the seminar and I profoundly apologize to all speakers, participants, and committe members.

Finally, I wish the conference a complete success, and wish all the participants a good time in Yogyakarta.

Thank you.

Wassalamu'alaikum Wr.Wb.

## Muhammad Ja'far Luthfi

Chairperson of the Organizing Comittee

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# PROCEEDING

# **INTERNATIONAL CONFERENCE ON SCIENCE AND ENGINEERING**

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International Conference on Science and Engineering are regular events held by the Faculty of Science and Technology UIN Sunan Kalijaga Yogyakarta in collaboration with journal "Biology, Medicine, & Natural Product Chemistry" to making effective linkage between academic institutions, organization, industry & society. Exchange your ideas with us. Develop your skills with us.

This event accept manuscripts in the field of **physics & earth science**, **life science**, **chemistry and chemical technology**, **computer science & information technology**, **engineering**, **mathematic and statistic**, **applied science**, **education**, **Marine Engineering**, and **social science**. All the manuscripts in the scope can be presented. This event publishes the Proceeding to publish manuscript of the conferences and the selected papers will publish in journal "Biology, Medicine, & Natural Product Chemistry".

**Presentations types** Both oral and poster presentations are welcome. The types of papers published are research papers and reviews. Manuscript of original research should be written in no more than 3,000 words (abstract to conclusions). Prospective author of oral and poster papers are invited to submit abstracts of not more than 300 words. Abstracts for both oral and poster presentations will have the same format.

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**Manuscript preparation** Manuscript is typed in English on A4 (210x297 mm<sup>2</sup>) paper size, **in a single column**, single space, 10.5-point (10.5 pt) Times New Roman font. The margin text is 2 cm from the top and bottom, and 1.7 cm from the left and right. Smaller lettering size can be applied in presenting table and figure (8 pt). Word processing program or additional software can be used, however, it must be PC compatible and Microsoft Word based (*.doc* or *.rtf*).

The manuscript is written on a **template** that has been provided on http://www.sciencebiology.org/asset/Conf\_Template\_ICSE\_2017.doc

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**Title** of the article should be written in compact, clear, and informative sentence, preferably not more than 20 words. Name of author(s) should be completely written.

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Running title is about five words.

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Materials and Methods should emphasize on the procedures and data analysis.

**Results and Discussion** should be written as a series of connecting sentences, however, for manuscript with long discussion should be divided into subtitles. Thorough discussion represents the causal effect mainly explains for why and how the results of the research were taken place, and do not only re-express the mentioned results in the form of sentences.

Concluding sentence should be given at the end of the discussion.

Acknowledgments are expressed in a brief; all sources of institutional, private and corporate financial support for the work must be fully acknowledged, and any potential conflicts of interest are noted.

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#### REFERENCES

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#### Journal:

Saharjo BH, Nurhayati AD. 2006. Domination and composition structure change at hemic peat natural regeneration following burning; a case study in Pelalawan, Riau Province. Biodiversitas 7: 154-158.

#### Article DOI:

Slifka MK, Whitton JL. 2000. Clinical implications of dysregulated cytokine production. J Mol Med. DOI: 10.1007/s001090000086

#### Book:

Rai MK, Carpinella C. 2006. Naturally Occurring Bioactive Compounds. Elsevier, Amsterdam.

#### Chapter in book:

Webb CO, Cannon CH, Davies SJ. 2008. Ecological organization, biogeography, and the phylogenetic structure of rainforest tree communities. In: Carson W, Schnitzer S (eds). Tropical Forest Community Ecology. Wiley-Blackwell, New York.

#### Abstract:

Assaeed AM. 2007. Seed production and dispersal of *Rhazya stricta*. The 50th Annual Symposium of the International Association for Vegetation Science, Swansea, UK, 23-27 July 2007.

#### **Proceeding:**

Alikodra HS. 2000. Biodiversity for development of local autonomous government. In: Setyawan AD, Sutarno (eds). Toward Mount Lawu National Park; Proceeding of National Seminary and Workshop on Biodiversity Conservation to Protect and Save Germplasm in Java Island. Sebelas Maret University, Surakarta, 17-20 July 2000.

#### Thesis, Dissertation:

Sugiyarto. 2004. Soil Macro-invertebrates Diversity and Inter-cropping Plants Productivity in Agroforestry System based on Sengon. [Dissertation]. Brawijaya University, Malang.

#### Information from internet:

Balagadde FK, Song H, Ozaki J, Collins CH, Barnet M, Arnold FH, Quake SR, You L. 2008. A synthetic Escherichia coli predator-prey ecosystem. Mol Syst Biol 4: 187. www.molecularsystemsbiology.com [21 April 2015]

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