



Term of References

1st Borobudur International Symposium on Applied Sciences and Engineering (BIS-ASE)
1st Borobudur International Symposium on Humanities, Economics, and Social Sciences (BIS-HESS)

Grand Artos Hotel and Convention, October 16, 2019



<https://bis.ummgl.ac.id/>



Every industrial revolution brought with it benefits and challenges to the socioeconomic status of the countries that have engaged in such transformation. Billions of people and countless machines are connected to each other. Through groundbreaking technology, unprecedented processing power and speed, and massive storage capacity, data is being collected and harnessed like never before. To many people, these changes are scary. Previous industrial revolutions have shown us that if companies and industries don't adapt with new technology. Social challenges are mainly the immense risk of cybercrime due to increased connectivity, and job losses due to the automation of large segments of operations in many industries as part of Industry 4.0. There is great promise for good in this Fourth Industrial Revolution, The exciting potential for breakthroughs in health care, the ability to empower more people worldwide to become entrepreneurs or access education and the chance to drive innovation across many sectors are some of the welcome prospects. All of this is disrupting every industry; is reshaping how we work, relate, communicate and learn; and reinventing institutions from education to transportation.

The sheer volume of data that new web-connected systems will have available, combined with their ability to self-enhance through increasingly sophisticated artificial intelligence, could fundamentally change how society operates by developing previously unthinkable responses — sometimes to problems we didn't even know existed.

As a result, the revolution will bring new opportunities for people and machines to collaborate across geographies to improve lives, and even to help undo the damage to the world that resulted from the previous three industrial revolutions.

For this reason, Universitas Muhammadiyah Magelang together with co-hosts from various universities in Indonesia held an international conference called "**The 1st Borobudur International Symposium (BIS)**" with "**Local resources empowerment towards advance, smart and sustainable system**" as the main theme

The 1st Borobudur International Symposium (BIS) is divided into two major events focused on two fields of science:

- 1st International Borobudur Symposium on Applied Sciences and Engineering (BIS-ASE) for applied sciences with target outputs published by IOP Science indexed by Scopus.
- 1st Borobudur International Symposium on Humanities, Economics, and Social Sciences (BIS-HESS) for the field of social sciences with output targets published by Atlantis Press indexed by Clarivate Analytics WoS.

Selected papers from both events will be published in International Journal indexed by Scopus.

1. Conference Day

- a. Date : Wednesday, October 16, 2019
- b. Venue : Grand Artos Hotel & Convention, Magelang, Indonesia

2. Keynote Speakers



Yun Arifatul Fatimah, PhD.
(Dean, Faculty of Engineering,
Universitas Muhammadiyah
Magelang, Indonesia)



Prof. Tony Lucey, Ph.D
(Curtin University, Australia)



**Associate Professor Eng. Dr.
Noreffendy Tamaldin**
(Dean, Centre for Graduate Studies,
Universiti Teknikal Malaysia Melaka,
Malaysia)



Rajesh Ranolia, B.Com., MBA
(National Institute of Information
Technology – India)

3. Important Dates

- a. Abstract Submission Deadline : September 9, 2019
- b. Abstract Acceptance Notification : September 16, 2019
- c. Payment Deadline : September 25, 2019
- d. Conference Day : October 16, 2019
- e. Full Paper Submission Deadline : October 30, 2019



Co-Host

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1. Universitas Muhammadiyah Klaten, Indonesia
 2. Universitas Muhammadiyah Purworejo, Indonesia
 3. BALITBANG Kota Magelang, Indonesia
 4. Universitas Muhammadiyah Buton, Indonesia
 5. Universitas Muhammadiyah Surabaya, Indonesia
 6. Institut Agama Islam Muhammadiyah Sinjai, Indonesia
 7. Universitas Muhammadiyah Malang, Indonesia
 8. Universitas Muhammadiyah Maluku Utara, Indonesia
 9. Institut Agama Islam Negeri Purwokerto, Indonesia
 10. Universitas Muhammadiyah Jember, Indonesia
 11. Fakultas Hukum Universitas Islam Indonesia, Indonesia
 12. Universitas Muhammadiyah Lampung, Indonesia
 13. Universitas Muhammadiyah Metro, Indonesia
 14. STMIK Bina Patria, Indonesia
 15. Universitas Tidar, Indonesia
 16. Universitas 'Aisyiyah Yogyakarta, Indonesia
 17. Universitas Muhammadiyah Ponorogo, Indonesia
 18. Universitas Sains Al-Quran, Indonesia
 19. Politeknik Energi dan Mineral Akamigas, Indonesia
 20. Universitas Muhammadiyah Riau, Indonesia
 21. Universitas Muhammadiyah Jakarta, Indonesia
 22. Universitas Muhammadiyah Pekajangan Pekalongan, Indonesia



1st BIS-ASE

1. Website

<https://bis.ummgl.ac.id/ase/>

2. Scope

- a. Mathematics
 - b. Physics
 - c. Medicine
 - d. Biomedical
 - e. Chemistry
 - f. Biology
 - g. Pharmacology
 - h. Mechanical Engineering
 - i. Chemical Engineering
 - j. Civil Engineering
 - k. Electrical Engineering
 - l. Environmental Engineering
 - m. Industrial Engineering
 - n. Information Engineering
-

o. And Related Topics

3. Scientific Committee

- a. Prof. Dr. Noreffendy Tamaldin (Universiti Teknikal Malaysia Melaka, Malaysia)
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1st BIS-HESS

1. Website

<https://bis.ummgl.ac.id/hess/>

2. Scope (Cakupan Bidang Ilmu)

- a. Religious Studies
 - b. Law
 - c. Education
 - d. Economics
 - e. Sociology
 - f. Political Studies
 - g. Government Studies
 - h. Psychology
 - i. Communication
-

- j. International Relations
- k. Health Administration
- l. Art & Linguistics
- m. And Related Topics

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Indexing

All accepted articles in the 1st BIS ASE will be published in the Journal of Physics: Conference Series published by IOP Science and indexed by Scopus. **All accepted articles** in the 1st BIS HESS will be published in Advances in Social Science, Education and Humanities Research (ASSEHR) published by Atlantis Press and indexed by Thomson Reuters's Clarivate Analytics Web of Science (WoS).

Selected articles have the opportunity to be published in international journals indexed by Scopus, including:

1. International Journal of Supply Chain Management (Q3)
2. OPCION (Q2)
3. Journal of Advanced Research in Dynamical and Control Systems (Q4)
4. And others

Abstract and Article submission

All articles included in the 1st BIS are managed in a submission management called Konfrenzi. **We do not accept abstract submissions by email.**

URL Konfrenzi (desktop): <http://bis2019.centerconf.org/kfz/>

URL Konfrenzi (mobile): <http://bis2019.centerconf.org/kfz/kfz-page/home.php>

Abstract and Article Template

All articles are written in English with the following conditions:

5. Abstract is no more than 200 words
6. Full paper between 4-6 sheets

1st BIS ASE Template: <https://bis.ummgl.ac.id/ase/wp-content/uploads/2019/05/WordGuidelines-18-37-31-235-1.zip>

1st BIS HESS Template: <https://bis.ummgl.ac.id/hess/wp-content/uploads/2019/05/Atlantis-Press-TEMPLATE.doc>

Registration Fee

Indonesian Presenter	: IDR. 2,500,000
Indonesian Participant	: IDR. 1,000,000
Co-author Attendant	: IDR. 1,500,000

International
International Presenter and Participant : USD. 200

Organizing Committee

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All OCs in this event can be contacted via WhatsApp to answer all questions related to 1st BIS. Questions can also be asked via e-mail dppj@ummgl.ac.id
