

PROCEEDING



BIRE
Bali Institute of Research Excellence



MISAB-2018

**International Conventional on Strategy in
Management Information System and
Applied Business Research**

**Hotel Santika Seminyak Bali
June 21-22, 2018**

CONFERENCE BOOK OF ABSTRACT PROCEEDINGS

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Email: ryan@bireacademy.com
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***International Conventional on Strategy in Management
Information System and Applied Business Research
(MISAB)***

Venue: Hotel Santika Seminyak Bali, Indonesia

Conference Theme: Innovative World: New challenges for research
and development.

SCIENTIFIC COMMITTEE

Dr. Mohamed Hamdoun

CCBA, Dhofar University

Kiky Srirejeki

Universitas Jenderal Soedirman, Indonesia

Lis Melissa Yapanto

Gorontalo state of Univercity, Indonesia

Priscylua Maria Sandehang

University of Indonesia, Indonesia

Thomas Soseco

Universitas Negeri Malang, Indonesia

Trissa Firli DM

Airlangga University Surabaya, Indonesia

Anis Widyawati

Semarang State University, Indonesia

Muhammad Ghalih

POLITEKNIK NEGERI TANAH LAUT, Indonesia

SCIENTIFIC COMMITTEE

Ahmad Maruf

University of Muhammadiyah Yogyakarta, Indonesia

Efni Siregar

State Polytechnic of Medan, Indonesia

Dr. Retno Astuti

University of Brawijaya, Indonesia

Dr. Nur Islami

University of Riau, Indonesia

Prof. Dr. Titin Handayani

Agency for the Assessment and Application of Technology, Indonesia

ORGANIZING COMMITTEE

Yosry Elhosaney

Conference Chair

Email: yosry@bireacademy.com

HungXin Anne

Conference Coordinator

Email: hungxin@bireacademy.com

Renan P.Limjuco

Conference Coordinator

Email: renan@bireacademy.com

Gurani Matin

Conference Coordinator

Email: matin@bireacademy.com

Onch Li Chee

Conference Coordinator

Email: onch@bireacademy.com

CONFERENCE TRACKS

- Basic Science
- Civil Engineering
- Economics, Finance & Accounting
- Business Management
- Electrical Engineering
- Life Sciences
- Mechanical Engineering
- Medicine Sciences

CONFERENCE CHAIR MESSAGE

Dr. Ryan Feinstein

“International Conference of Bali Institute of Research Excellence” is a platform that thrives to support the worldwide scholarly community to analyze the role played by the multidisciplinary innovations for the betterment of human societies. It also encourages academicians, practitioners, scientists, and scholars from various disciplines to come together and share their ideas about how they can make all the disciplines interact in an innovative way and to sort out the way to minimize the effect of challenges faced by the society. All the research work presented in this conference is truly exceptional, promising, and effective. These researches are designed to target the challenges that are faced by various sub-domains of the social sciences and applied sciences.

I would like to thank our honorable scientific and review committee for giving their precious time to the review process covering the papers presented in this conference. I am also highly obliged to the participants for being a part of our efforts to promote knowledge sharing and learning. We as scholars make an integral part of the leading educated class of the society that is responsible for benefitting the society with their knowledge. Let’s get over all sorts of discrimination and take a look at the wider picture. Let’s work together for the welfare of humanity for making the world a harmonious place to live and making it flourish in every aspect. Stay blessed.

Thank you.

Dr. Ryan Feinstein

Conference Chair

Email: ryan@bireacademy.com

CONFERENCE AGENDA

**Conference Name: International Conventional on Strategy in Management
Information System and Applied Business Research (MISAB)**

Day & Date: Thursday, June 21, 2018

Venue: Hotel Santika Seminyak Bali

Timeline of Day 01

09:00 - 09:10 am	Registration of Participants
09:10 - 09:20 am	Introduction of Participants
09:20 - 09:40 am	Inauguration and Opening address
09:40 - 10:00 am	Grand Networking Session

Tea/ Coffee Break: 10:00 am - 10:30 am

DAY 01 Thursday (June 21, 2018)

Presentation Session (10:30 am - 12:00 pm)

Track A: Business Management, Social Sciences Physical and Applied Sciences

Presenter Name	Manuscript Title	Paper ID
Vivitri Dewi Prasasty	In-Silico Discovery of Potential Inhibitors against Hemagglutinin H7N9 using AutoDock Flexible Receptor	BAL-468-101E
Arif Hamdani Batubara	Increasing Procurement Efficiency in Oil And Gas Company Using Lean Six Sigma Concept And E-Procurement Implementation	MISAB-JUNE-BI101
Celine Kurniajaya	Multi-Objective Problem	MISAB-JUNE-BI105

Track B: Medical, Medicine & Health Sciences

Ahmed S. Safwat	Outcome of Single Port Laparoscopic Orchiopexy in Children	BAL-468-101-M
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Closing & Lunch Break: (12:00 pm - 01:00 pm)

Participants Registered As Listener/ Observer

The following Scholars/ practitioners who don't have any paper presentation, however they will attending the conference as delegates & observers.

Dr. Mohammed Jahangir Alam Sohan
Indonesia

Meidinda Rachmawati
Bangladesh

Dr. Mohammad Jahangir Alam Sarker
Bangladesh

Dr. Muhammad Saiful Islam
Bangladesh

Dr. Mohammad Nazmul Hossain
Bangladesh

Dr. Abul Kalam Muhammad Ziaul Haque
Bangladesh

Dr. A T M Zafor Ahmed
Indonesia

Dr. Mohammed Mahboob Iftekhar
Indonesia

Dr. Mohammad Saifuddin Sabuj
Indonesia

Dr. A K M Shameem
Indonesia

Dr. Mohammad Faizur Rahman
Indonesia





Dr. M B Zaman
Indonesia

Dr. Abul Fazla Md Kamal
Indonesia

Dr. Md Munzur Alahi
Indonesia

Dr. Shazid Hafiz
Indonesia

Dr. Krishna Kamal Saha
Indonesia

Al Amin Mollik
Indonesia

Al Amin Mollik
Indonesia

Conference Day 02 (June 22, 2018)

Second day of conference will be specified for touristy. Relevant expenses are borne by Individual him/herself.

TRACK A

***BUSINESS MANAGEMENT, SOCIAL SCIENCES PHYSICAL
AND APPLIED SCIENCES***



Increasing Procurement Efficiency in Oil And Gas Company Using Lean Six Sigma Concept And E-Procurement Implementation

*Arif Hamdani Batubara

School of Business and Management Institut Teknologi Bandung, Indonesia

Corresponding Email: arif.batubara@sbm-itb.ac.id

Keywords: Oil and Gas, Procurement, Lean Six Sigma, E-Procurement

The oil and gas industry in Indonesia is going through a difficult period due to the drastic decline in global oil prices since the year 2014. One way to stay competitive when the low selling price is to work more efficiently and reduce operating costs. Saka Indonesia Pangkah Limited is a subsidiary of PT. Saka Energi Indonesia and its parent company, PT. Perusahaan Gas Negara. The company is operating as upstream oil and gas contractor under PSC agreement with the government of Indonesia, represented by SKKMIGAS. The efficiency discussed in this report is the streamlining and improvement of the procurement process using Lean Six Sigma concepts and ultimately supported by better electronic system implementation. The business problem was first defined by mining data from the past year as well as obtaining customer inputs. From the existing data then further research was conducted to find the root of the problem. After determining the root of the problem, the analysis is continued to make improvements to the process applied at the time. Process improvement is done by applying Lean's basic principle of prioritizing value to end users, reducing waste, flowing processes, and user-driven demand systems rather than driven by process capacity. The analysis recommends the application of electronic procurement system (e-procurement) to control the implementation of procurement process so that there is minimal variation of process which can cause inefficiency.



Using Genetic Algorithm to Generate Pareto-Optimal Solution in Multi-Objective Problem

¹Assist. Prof. Doc. Halil Akmesse, ^{2*}Celine Kurniajaya

^{1,2}Industrial Engineering Department, Faculty of Engineering, University of
Indonesia, Depok 16424

Corresponding Email: mdachyar@yahoo.com

Keywords: Pareto-Optimal Solution, Genetic Algorithm, Multi-Objective Problem, Objective Function, Constrained Optimization.

With so many competition lurking around same market place, business needed to increase their competitive advantage. It means every business must minimized time and cost for their operational activity. By doing this, customer can increase their satisfaction. In order to fulfill every order, one of core activity was material order process. Material order process optimization was multi-objective problem (MOP) because there is a need to minimize both cost and time used for this process. It means, there are two objectives that must be traded off in some way. The solution of a MOP is often named pareto-optimality or pareto-optimal or pareto-optima or non-inferior solutions. In simple words, a solution is Pareto optimal if it cannot result in further improvement of an objective without causing the degradation of another objective. Genetic Algorithms (GA) were stochastic methods that can be used to solve a very broad class of optimization problems. They are known to solve problems in a heuristic way under consideration of the problems environment. Genes and chromosomes are the fundamental elements in GAs. A chromosome is a string of genes. In a real problem, genes are the variables that are considered influential in controlling the process being optimized, and a chromosome is a solution to the problem. GAs searched for the optimal solution from populations of chromosomes. This paper aims to provide pareto-front solutions for material order process multi-objective problem. With Matlab software tool, author(s) get final result that will be given to management. Management will choose from this result list based on company policy. Final result consisted of 5 cost and time function value respectively: 196.223, 234.600, 304.834, 466.280, 534.580 dollar and 1401, 1675, 2177, 3330, 3818 hours.



UP COMING EVENTS

You can find the details regarding our upcoming events by following below:

<http://http://bireacademy.com/conferences/>

<http://http://bireacademy.com/conferences/misab-june-2018/>

<http://http://bireacademy.com/conferences/misab-june-2018/>

<http://http://bireacademy.com/conferences/july-conference-ebms-18-bali/>

<http://http://bireacademy.com/conferences/july-conference-rsbe-18-bangkok/>

<http://http://bireacademy.com/conferences/aug-conference-amet-18-bali/>

<http://http://bireacademy.com/conferences/aug-conference-nsbe-18-bangkok/>

<http://http://bireacademy.com/conferences/rbseit-sep-2018/>

VISION

*Building Global Community of
Research Scholars for better
society.*