



WCASET - 2020

**28th World Conference on Applied
Science, Engineering & Technology**

29th & 30th April 2020 Indonesia



ORGANIZED BY

INSTITUTE FOR ENGINEERING RESEARCH AND PUBLICATION (IFERP)



28th World Conference on Applied Science, Engineering
and Technology

(WCASET – 2020)

Jakarta, Indonesia

29th - 30th April' 2020

Institute For Engineering Research and Publication

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Associations



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IFERP-Explore

Editorial:

We cordially invite you to attend the **28th World Conference on Applied Science, Engineering and Technology (WCASET - 2020)** which will be held at **Jakarta, Indonesia** on **April 29th & 30th, 2020**. The main objective of **WCASET-2020** is to provide a platform for researchers, engineers, academicians as well as industrial professionals from all over the world to present their research results and development activities in relevant fields of Science, Engineering and Technology. This conference will provide opportunities for the delegates to exchange new ideas and experience face to face, to establish business or research relationship and to find global partners for future collaboration.

These proceedings collect the up-to-date, comprehensive and worldwide state-of-art knowledge on cutting edge development of academia as well as industries. All accepted papers were subjected to strict peer-reviewing by a panel of expert referees. The papers have been selected for these proceedings because of their quality and the relevance to the conference. We hope these proceedings will not only provide the readers a broad overview of the latest research results but also will provide the readers a valuable summary and reference in these fields.

The conference is supported by many universities, research institutes and colleges. Many professors played an important role in the successful holding of the conference, so we would like to take this opportunity to express our sincere gratitude and highest respects to them. They have worked very hard in reviewing papers and making valuable suggestions for the authors to improve their work. We also would like to express our gratitude to the external reviewers, for providing extra help in there view process, and to the authors for contributing their research result to the conference.

Since January 2020, the Organizing Committees have received more than 210 manuscript papers, and the papers cover all the aspects in Electronics, Computer Science, Information Technology, Science Engineering and Technology. Finally, after review, about 53 papers were included to the proceedings of **WCASET - 2020**.

We would like to extend our appreciation to all participants in the conference for their great contribution to the success of **WCASET 2020**. We would like to thank the keynote and individual speakers and all participating authors for their hard work and time. We also sincerely appreciate the work by the technical program committee and all reviewers, whose contributions made this conference possible. We would like to extend our thanks to all the referees for their constructive comments on all papers; especially, we would like to thank to organizing committee for their hard work.

Acknowledgement

IFERP is hosting the **28th World Conference on Applied Science, Engineering and Technology** this year in month of April. The main objective of WCASET- 2020 is to grant the amazing opportunity to learn about groundbreaking developments in modern industry, talk through difficult workplace scenarios with peers who experience the same pain points, and experience enormous growth and development as a professional. There will be no shortage of continuous networking opportunities and informational sessions. The sessions serve as an excellent opportunity to soak up information from widely respected experts. Connecting with fellow professionals and sharing the success stories of your firm is an excellent way to build relations and become known as a thought leader.

I express my hearty gratitude to all my Colleagues, staffs, Professors, reviewers and members of organizing committee for their hearty and dedicated support to make this conference successful. I am also thankful to all our delegates for their pain staking effort to travel such a long distance to attain this conference.



Er. R. B. Satpathy
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ABSTRACTS

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Revitalization Wayang in present context through creative learning; brainstorming, and mind mapping

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Iwan Zahar, Indonesia EsaUnggul University

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Abstract:--

Shadow-puppets originated from India, and Indonesians developed various shadow-puppets that differed slightly from their origin. Although there are many noble values and various cultural traditions contained in the philosophy and physical form of Indonesian shadow puppets. However, the shadow puppets are increasingly forgotten by today's young generation. The purpose of this research is to revitalize shadow-puppet in the present context and the perspective and expression of young people. Research conducted is descriptive qualitative. The research subjects were students at the Visual Art and Design Faculty, at Tarumanagara University. The research methods conducted by depth-interview to RadenBagusAnantaHariNoorsasetya and UntungSaryanto (wayang expert), questioner, pre and post-test about the students' insights, interests, and creative ideas on wayang, and focus group discussion with 33 Tarumanagara Students who take creative experiment course. Amongst the creativemethod used, which is considered the most striking and suitable is brainstorming and mind mapping. The results of a pleasant learning atmosphere, getting to know themselves, expressing themselves, thinking freely, cooperating with others and stimulating the courage to experiment to revitalize puppets. There was a change in their insights, interests and creativity before and after attending several meetings with creative experiment lectures.

Keyword: -

insight, mind mapping, brainstorming