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AIMS AND SCOPE

Bulletin of Chemical Reaction Engineering & Catalysis (ISSN 1978-2993), an electronic international journal, provides a forum for publishing the novel technology related to chemical reaction engineering and catalysis.

Scientific articles dealing with the following topics in chemical reaction engineering, catalysis engineering, catalyst characterization, novel innovation of chemical reactor, etc. are particularly welcome.

The journal encompasses original research articles, review articles, and short communications, including:

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The manuscript articles should be submitted electronically in MS Word / Open Office file to Editorial Office through **Online Submission interface at: <http://ejournal.undip.ac.id/index.php/bcrec>**. Author must read the author guidelines before manuscript submission.

PUBLICATION INFORMATION

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PREFACE

BULLETIN OF CHEMICAL REACTION ENGINEERING & CATALYSIS (ISSN 1978-2993), Volume 7, Number 2, Year 2012 is an electronic international journal. The journal is a media for communicating all research activities in chemical reaction engineering and catalysis fields, and disseminating the novel technology and news related to chemical reaction engineering, catalyst engineering and science, bioreactor engineering, membrane reactor, and catalytic reactor engineering.

In this issue, effect of calcination temperature on the physic-chemical properties was presented with respect to some characterizations of the catalyst. In addition, synthesis and characterization as well as their relationship was studied. Effect of some preparation methods of catalyst and their relationship with catalyst performance and characterization was reported. The review on biodiesel-based heterogeneous catalyst for biodiesel production using homogeneous and heterogeneous catalysis was highlighted. In addition, the synthesized zinc oxide based acid catalyst was explored to be used in the heterogeneous biodiesel production by using the vegetable oils and methanol. Original research articles focusing on enzymatic hydrolysis was also highlighted targeted for production of glucose from cellulosic material. Beside that, development of an alternative process to obtain the industrially important benzyl aromatics by benzylation of aromatics using benzyl chloride was focused which catalysed by mesoporous solid acid catalysts including their characterization and analysis. Finally, the study on cationic copolymerization in one step takes place between carbon-carbon double-bond monomer styrene with cyclic monomer tetrahydrofuran. The reaction was initiated with maghnite-H⁺ an acid exchanged montmorillonite as acid solid eco-catalyst. The oxonium ion of tetrahydrofuran and carbonium ion of styrene propagated the reaction of copolymerization.

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Official website address of BCREC journal is: <http://bcrec.undip.ac.id>.

Editor would like to appreciate all researchers, academicians, industrial practitioners focused on chemical reaction engineering and catalysis to contribute to this online journal.

Assoc. Prof. Dr. I. Istadi (Editor-in-Chief)

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