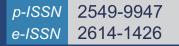
IJCER



INTERNATIONAL JOURNAL OF CHEMISTRY EDUCATION RESEARCH

VOLUME 02, ISSUE 02, 2018



Int. J. Chem. Educ. Res. Vol. 02 Iss. 02 PP 60-88 2018

International Journal of Chemistry Education Research

http://journal.uii.ac.id/IJCER

Editors in Chief

Prof. Riyanto, S.Pd., M.Si., Ph.D. (Scopus ID: 23976748700) Department of Chemistry, Universitas Islam Indonesia

Krisna Merdekawati, S.Pd., M.Pd. (Scopus ID: 57193918654) Department of Chemistry Education, Universitas Islam Indonesia

Editorial Board

Dr. Das Salirawati

Department of Chemistry Education, Yogyakarta State University Prof. Dra. Sri Rahayu (Scopus ID: 57200105209) Department of Chemistry, State University of Malang Artina Diniaty, S.Pd.Si., M.Pd. (Scopus ID: 57193918063) Department of Chemistry Education, Universitas Islam Indonesia Beta Wulan Febriana, S.Pd., M.Pd. (Scopus ID: 57193918928) Department of Chemistry Education, Universitas Islam Indonesia Widinda Normalia Arlianty, S.Pd., M.Pd. (Scopus ID:57193923344) Department of Chemistry Education, Universitas Islam Indonesia Lina Fauzi'ah, S.Pd., M.Sc. (Scopus ID: 57193921487) Department of Chemistry Education, Universitas Islam Indonesia Muhaimin, S.Si., M.Sc. (Scopus ID: 57189645787) Department of Chemistry Education, Universitas Islam Indonesia

International Editorial Board

Prof. Dr. Kamisah Osman (Scopus ID: 55589316800) Universiti Kebangsaan Malaysia, Bangi, Malaysia

Prof. Ruey-an Doong (Scopus ID: 7006956479) National Tsing Hua University, Taiwan

Layout Editorial Board

Muhammad Miqdam Musawwa Imam Sahroni Istyarto Damarhati

Editorial Office

Department of Chemistry Education Faculty of Mathematics and Natural Sciences Universitas Islam Indonesia, Yogyakarta, Indonesia Kaliurang Street Km. 14.5, Sleman, Yogyakarta, 55584 Phone: +62 274 896439 ext 3011 Fax: +62 274 896439 Email: ijcer@uii.ac.id

International Journal of Chemistry Education Research (IJCER) is a peer-reviewed journal which covering all aspect of education, including chemistry education, physic education, biology education and science education. The journal publishes original research papers, short communications, dissemination, and discussion of research, experience and perspective across a wide range of education, teaching, development, instruction, educational projects and innovations, learning methodologies and new technologies in education and learning. The IJCER journal is published in a year (semi-annual). IJCER journal is fully open access for scholarly readers.

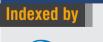
International Journal of Chemistry Education Research

http://journal.uii.ac.id/IJCER

Table of Content	Volume 2 Issue 2, 2018
Development of Guided Inquiry Based Work Sheet with Class and Laboratory Activity on Chemical Bonding Topic in Senior High Scho Zammiluni, Allizar Ulianas, Mawardi	60 – 66 ol
The Implementation of Pyrolisis of Waste Material to Bio-Oil in The H Course Lutfia Isna Ardhayanti, Mai Anugrahwati, Rico Nurillahi, Ahmad Sae Khuswatun Khasanah, Diah Retno Wati	
Analysis of Understanding of First-Year Chemistry Education Studer Molecular Forces Topic <i>Muhammad Miqdam Musawwa, Beta Wulan Febriana, Widinda Nor</i> <i>Arlianty</i>	11 10
Pyrolysis of Biomass Waste as The Project Based Learning in Com Assistance Course <i>Imam Sahroni</i>	munity 78 – 83
Using Project-Based Learning in Improving Students' Critical Thinkir to Separate of Mixtures Nurul Insani, Noor Fadiawati, Ratu Betta Rudibyani, M. Mahfudz Fat Syamsuri	



Department of Chemistry Education Faculty of Mathematics and Natural Sciences UNIVERSITAS ISLAM INDONESIA





BASE









