



Journal of Earth Energy Engineering

P-ISSN 2301-8097

VOL. 10 NO. 2, JULY 2021

E-ISSN 2540-9352

Predicting Stabilized Oil Well Inflow Performance Relationship on Unconventional Reservoir

Amega Yasutra, Liviana Purwanto

Page 63-74

Benefits of the Tracers Test Technique in Improving the Performance of Group Wells

Dike Fitriansyah Putra, Mursyidah Umar, Lazuardhy Vozika Futur, Aznil Arif Rahman

Page 75-83

An Integrated Survey of the Geochemical Study at the Blawan-Ijen Area, East Java

Riska Laksmi Sari, Firman Sauqi Nur Sabila, Haeruddin, Eriska Eklezia Dwi Saputri, Welayaturromadhona, Hadziqul Abror, Sartika Dwi Purwandari, Agus Triono

Page 84-93

Application of Empty Oil Palm Bunches as CMC to Prevent Loss Circulation

Idham Khalid, Novia Rita, Muhammad Ridho Efras

Page 94-100

Completion Design for The Development of a Multi-Layer and Multi Fluid Reservoir System in Offshore Well AA-01, North-West Java

Wijoyo Niti Daton, Vincent Chandra, Steven Chandra

Page 101-114

DOAJ DIRECTORY OF
OPEN ACCESS
JOURNALS



Publisher
 UIR PRESS



Journal of Earth Energy Engineering

Accredited by Directorate General of Strengthening for Research and Development, Ministry of Research, Technology, and Higher Education of Republic Indonesia No: 10/E/KPT/2019

VOL. 10 NO. 2, JULY 2021

PUBLISHER

Universitas Islam Riau (UIR) Press

EDITOR IN CHIEF

Muslim

ASSOCIATE EDITOR

Nguyen Xuan Huy (Vietnam)

Adi Novriansyah (Indonesia)

Farizal Hakiki (Indonesia)

EDITORIAL BOARDS

Asep Kurnia Permadi (Indonesia)

Taufan Marhaendrajana (Indonesia)

Sonny Irawan (Indonesia)

Zulkifli Abdul Majid (Malaysia)

Suranto (Indonesia)

Medhat (Med) Kamal (USA)

Madi Abdullah Naser (Libya)

Wisup Bae (South Korea)

Hussein Hoteit (Kingdom of Saudi Arabia)

Hyundon Shin (South Korea)

Agus Astra Pramana (Indonesia)

Muhammad Taufiq Fathaddin (Indonesia)

Yuichi Sugai (Japan)

Goh Thian Lai (Malaysia)

Falan Srisuriyachai (Thailand)

Syahrir Ridha (Malaysia)

Agus Arsad (Malaysia)

Randy Agra Pratama (Indonesia)

Riezqa Andika (Indonesia)

TECHNICAL EDITOR

Fiki Hidayat

Tomi Erfando

SCOPE OF JOURNAL

This journal aims to promote excellence in the fields of earth science and energy. The journal welcomes contribution in such areas of current analysis particularly in fossil energy exploration, extraction, and processing. The priority areas include enhanced oil recovery, reservoir engineering, formation evaluation, production technique, drilling and drilling fluids, petroleum geology, and petroleum



Journal of Earth Energy Engineering

Accredited by Directorate General of Strengthening for Research and Development, Ministry of Research, Technology, and Higher Education of Republic Indonesia No: 10/E/KPT/2019

economics. This journal also publishes original works, from fundamental principles to practical applications in the field of energy utilization, energy conservation, and sustainable energy.

This journal accepts articles on any earth and energy-related subjects and any research methodology that meet the standards established for publication in the journal. The primary criterion for publication in Journal of Earth Energy Engineering is the significance of the contribution an article makes to the literature in earth and energy research area, i.e., the significance of the contribution and on the rigor of analysis and presentation of the paper. The acceptance decision is made based upon an independent review process that provides critically constructive and prompt evaluations of submitted manuscripts.

ABOUT THE JOURNAL

Journal of Earth Energy Engineering (pISSN 2301-8097, eISSN 2540-9352) is the leading primary research journal in the fields of earth science and energy with a particular focus on fossil energy exploration, extraction, and processing. Journal of Earth Energy Engineering is published by Universitas Islam Riau (UIR) Press, three times a year, every March, July, and November. From its launch in 2012 to the present day, Journal of Earth Energy Engineering publishes papers on every aspect of fossil energy-based, from the start of the extraction process in drilling and completion technology, reservoir studies, and new method of recovery to the various production technique (see Focus and scope). Our authors and readers reflect a broad interdisciplinary group of scientists who study fossil energy exploration, extraction, and processing.

All research articles published in Journal of Earth Energy Engineering are subject to rigorous double-blind peer review, and editorial decisions are made by a team of expert researchers in the field, supported by an International Editorial Board. Journal of Earth Energy Engineering is indexed in Directory of Open Access Journal (DOAJ), Google Scholar, Science and Technology Index (SINTA S3), Indonesian Publication Index (IPI), and BASE, and has been ACCREDITED by Ministry of Research, Technology, and Higher Education of the Republic of Indonesia, No.10/E/KPT/2019, April 4, 2019 as 3rd Rank, SINTA S3.

EDITORIAL OFFICE OF JOURNAL OF EARTH ENERGY ENGINEERING

“A” Building Faculty of Engineering, Universitas Islam Riau.

Jalan Kaharuddin Nasution No. 113 Pekanbaru, Riau 28284, Indonesia

Email: jeee@journal.uir.ac.id

Website: <https://journal.uir.ac.id/index.php/jeee>



Journal of Earth Energy Engineering

Accredited by Directorate General of Strengthening for Research and Development, Ministry of Research, Technology, and Higher Education of Republic Indonesia No: 10/E/KPT/2019

LIST OF CONTENT

Predicting Stabilized Oil Well Inflow Performance Relationship on Unconventional Reservoir	63
Amega Yasutra, Liviana Purwanto	
Benefits of the Tracers Test Technique in Improving the Performance of Group Wells	75
Dike Fitriansyah Putra, Mursyidah Umar, Lazuardhy Vozika Futur, Aznil Arif Rahman	
An Integrated Survey of the Geochemical Study at the Blawan-Ijen Area, East Java	84
Riska Laksmi Sari, Firman Sauqi Nur Sabila, Haeruddin, Eriska Eklezia Dwi Saputri, Welayaturromadhona, Hadziqul Abror, Sartika Dwi Purwandari, Agus Triono	
Application of Empty Oil Palm Bunches as CMC to Prevent Loss Circulation	94
Idham Khalid, Novia Rita, Muhammad Ridho Efras	
Effects of Various Steam Flooding Injection Patterns and Steam Quality to Recovery Factor	101
Wijoyo Niti Daton, Vincent Chandra, Steven Chandra	