

DOI: <http://dx.doi.org/10.20527/quantum.v14i1>

## COVER

The image shows the cover of the journal 'QUANTUM' and a sidebar with navigation links and logos. The cover features a blue background with a glowing, abstract structure resembling a molecular or atomic model. The text on the cover includes 'APRIL 2023', 'DOI: http://dx.doi.org/10.20527/quantum.v14i1', 'Vol. 14, No. 1, April 2023', 'p-ISSN 2086-7328', 'e-ISSN 2550-0716', 'QUANTUM', 'Jurnal Inovasi Pendidikan Sains', 'Diberikan oleh Program Studi Pendidikan Kimia FKIP Unlam Banjarmasin', and 'Available in full version since April 30, 2023'. The publisher is 'Pendidikan Kimia'. The sidebar contains links for 'AUTHOR GUIDELINES', 'PUBLICATION ETHICS', 'SCREENING FOR PLAGIARISM', 'MANUSCRIPT FLOW', 'CONTACT US', 'ISSN PRINT 2086-7328', and 'ISSN ONLINE 2550-0716'. It also features a 'Journal Template' section with a 'REVIEW FORM' link, the journal's full name 'QUANTUM JOURNAL OF INNOVATION SCIENCE EDUCATION', a welcome message, and logos for 'MENDELEY' and 'turnitin'.

APRIL 2023  
DOI: <http://dx.doi.org/10.20527/quantum.v14i1>  
[Table of contents](#)

Vol. 14, No. 1, April 2023  
p-ISSN 2086-7328  
e-ISSN 2550-0716

**QUANTUM**  
Jurnal Inovasi Pendidikan Sains

Diberikan oleh  
Program Studi Pendidikan Kimia  
FKIP Unlam Banjarmasin

**QUANTUM** Vol.14 No.1 Hal. Banjarmasin p-ISSN 2086-7328  
1-164 April 2023 e-ISSN 2550-0716

Available in full version since April 30, 2023

Publisher:  
Pendidikan Kimia

**AUTHOR GUIDELINES**  
**PUBLICATION ETHICS**  
**SCREENING FOR PLAGIARISM**  
**MANUSCRIPT FLOW**  
**CONTACT US**  
**ISSN PRINT 2086-7328**  
**ISSN ONLINE 2550-0716**

Journal Template

**REVIEW FORM**

**QUANTUM**  
**JOURNAL OF INNOVATION SCIENCE EDUCATION**

Welcome to the website of the Quantum Journal Department of Chemistry Education Faculty of Teacher Training And Education University Of Lambong Mangkurat.

Enjoy the service from us and don't forget to submit your articles in our journal.

Thank you for your visit and participation

If you have any problems please contact us

MENDELEY  
 turnitin

## TABLE OF CONTENT

APRIL 2023

DOI: <http://dx.doi.org/10.20527/quantum.v14i1>

## TABLE OF CONTENTS

### ARTICLES

- PENGARUH MODEL PEMBELAJARAN BERBASIS MASALAH TERINTEGRASI MEDIA SIMULASI PHET TERHADAP KETERAMPILAN BERPIKIR KRITIS PESERTA DIDIK PADA MATERI PESAWAT SEDERHANA** PDF 1-15  
Abstract view : 132 times  
DOI: [10.20527/quantum.v14i1.14458](https://doi.org/10.20527/quantum.v14i1.14458)  
*Laila Rohmawati, Ria Wulandari, Fitria Eka Wulandari*
- ANALISIS BIBLIOMETRIK: TREN PENELITIAN BERPIKIR KREATIF** PDF 16-28  
Abstract view : 62 times  
DOI: [10.20527/quantum.v14i1.14387](https://doi.org/10.20527/quantum.v14i1.14387)  
*Nurul Huda, Misbah Misbah, Sarah Miriam, Muhti Harto, Rusmansyah Rusmansyah, Abdul Hamid, Nurlaela Muhammad*
- EFEKTIVITAS AUTHORIZING ILS GO-LAB DALAM MENUNJANG LITERASI DIGITAL PADA MERDEKA BELAJAR** PDF 29-40  
Abstract view : 69 times  
DOI: [10.20527/quantum.v14i1.14841](https://doi.org/10.20527/quantum.v14i1.14841)  
*Suryandari Suryandari, Meyninda Destiara, Suwito Singgih*
- PENGEMBANGAN BAHAN AJAR BERMUATAN AYAT-AYAT AL-QURAN PADA MATERI DINAMIKA PARTIKEL DENGAN MODEL DIRECT INSTRUCTION UNTUK MELATIHKAN KETERAMPILAN PEMECAHAN MASALAH** PDF 41-55  
Abstract view : 44 times  
DOI: [10.20527/quantum.v14i1.14428](https://doi.org/10.20527/quantum.v14i1.14428)  
*Hasanah Hasanah, Mastuang Mastuang, Dewi Dewantara*
- PENGEMBANGAN CHEMISTRY LEARNING WEBSITE PADA PEMBELAJARAN KIMIA DASAR** 56-65  
Abstract view : 38 times  
DOI: [10.20527/quantum.v14i1.14920](https://doi.org/10.20527/quantum.v14i1.14920)  
*Lenni Khotimah Harahap, Isti Faniyah*
- PENGEMBANGAN E-MODUL MULTI REPRESENTASI BERBASIS FLIP PDF CORPORATE EDITION PADA MATERI SIFAT ASAM BASA SENYAWA ORGANIK** PDF 66-86  
Abstract view : 131 times  
DOI: [10.20527/quantum.v14i1.15135](https://doi.org/10.20527/quantum.v14i1.15135)  
*Andra Meisantry Assari, Rini Muharini, Maria Ulfah, Erlina Erlina, Ira Lestari*

EDITOR TEAM

[Home](#) > [About the Journal](#) > [Editorial Team](#)

## EDITORIAL TEAM

### EDITOR IN CHIEF

Almubarak Almubarak, [Scopus ID: 57212621024] Universitas Lambung Mangkurat, Indonesia

### ADVISORY BOARD

Syahmani Syahmani, [Scopus ID: 57199415676] Universitas Lambung Mangkurat, Indonesia  
Atiek Winarti, [Scopus ID : 57204468527] Universitas Lambung Mangkurat, Indonesia  
Arif Sholahuddin, [Sinta ID: 6003571] Universitas Lambung Mangkurat, Indonesia  
Rusmansyah Rusmansyah, [Scopus ID: 57206663448] Universitas Lambung Mangkurat, Indonesia  
Yudha Irhasyuarna, [Sinta ID: 6040532] Universitas Lambung Mangkurat, Indonesia

### EDITORIAL BOARD

Rahmat Eko Sanjaya, [Scopus ID: 57199390909] Universitas Lambung Mangkurat, Indonesia  
Rilia Iriani, [SINTA ID: 6041376] Universitas Lambung Mangkurat, Indonesia  
Nurul Hidayati Utami, [Scopus ID: 57214106787] Universitas Lambung Mangkurat, Indonesia  
Khairiatul Muna, [Scopus ID: 57199409102] Universitas Islam Negeri Antasari, Indonesia  
Iqbal Haitami, [SINTA ID: 6670005] Universitas Islam Negeri Antasari, Indonesia  
Anita Kurniati, [SINTA ID: 6072545] Universitas Airlangga, Indonesia  
Sauqina Sauqina, Universitas Lambung Mangkurat, Indonesia  
Ni Nyoman Purwani, [SINTA ID: 6099578] Universitas Airlangga, Indonesia  
Rizki Nur Analita, Universitas Lambung Mangkurat, Indonesia

### LANGUAGE EDITOR

Rizky Amelia, [Sinta ID: 6030303] Universitas Lambung Mangkurat, Indonesia

[ut/submissions#onlineSubmissions](#) [CONTACT](#)

#### ADDITIONAL MENUS

[ONLINE SUBMISSION](#)

[AUTHOR GUIDELINES](#)

[PUBLICATION ETHICS](#)

[SCREENING FOR  
PLAGIARISM](#)

[MANUSCRIPT FLOW](#)

[CONTACT US](#)

[ISSN PRINT 2086-7328](#)

[ISSN ONLINE 2550-0716](#)



[REVIEW FORM](#)

**QUANTUM**

**JOURNAL OF INNOVATION  
SCIENCE EDUCATION**

<b><u>PENGEMBANGAN INSTRUMEN PENILAIAN E-BOOK BERBASIS INQUIRY LEARNING</u></b>	PDF 87-95
Abstract view : 42 times DOI: <a href="https://doi.org/10.20527/quantum.v14i1.15063">10.20527/quantum.v14i1.15063</a> <i>Rades Wandri, Rian Vebrianto, Gitania Zulfianti</i>	
<b>PENGEMBANGAN INSTRUMEN ASESMEN KETERAMPILAN BERPIKIR KRITIS MENGGUNAKAN APLIKASI QUIZZZ PADA MATA PELAJARAN IPA SMP</b>	PDF 96-106
Abstract view : 85 times DOI: <a href="https://doi.org/10.20527/quantum.v14i1.15212">10.20527/quantum.v14i1.15212</a> <i>Erica Meilia Safitri, Sri Wahyuni, Nur Ahmad</i>	
<b>PENGARUH MODEL PEMBELAJARAN KOOPERATIF TIPE NUMBERED HEAD TOGETHER (NHT) TERHADAP KETERAMPILAN BERPIKIR KRITIS PESERTA DIDIK PADA MATERI KONFIGURASI ELEKTRON</b>	PDF 107-119
Abstract view : 114 times DOI: <a href="https://doi.org/10.20527/quantum.v14i1.15427">10.20527/quantum.v14i1.15427</a> <i>Anggriana Prafitaria, Murtihapsari Murtihapsari, Putri Sarera Surbakti</i>	
<b>PENGEMBANGAN E-MODUL PEMBELAJARAN FISIKA BERBASIS PROBLEM SOLVING BERBANTUAN VIRTUAL LAB PHET PADA MATERI GERAK PARABOLA</b>	PDF 120-129
Abstract view : 100 times DOI: <a href="https://doi.org/10.20527/quantum.v14i1.15647">10.20527/quantum.v14i1.15647</a> <i>Sri Purwaningsih, Azizahwati Azizahwati, Muhammad Sahal</i>	
<b>PERBEDAAN KEMAMPUAN BERPIKIR KRITIS SISWA PADA PEMBELAJARAN MENGGUNAKAN MODEL PROJECT BASED LEARNING PADA MATERI KOLOID BERKONTEKS LAHAN BASAH</b>	PDF 130-141
Abstract view : 63 times DOI: <a href="https://doi.org/10.20527/quantum.v14i1.15694">10.20527/quantum.v14i1.15694</a> <i>Iriani Bakti, Muhammad Kusasi, Samsinar Samsinar</i>	
<b>PENERAPAN MODEL BLENDED LEARNING BERBANTUAN WHATSAPP UNTUK MENINGKATKAN KETERAMPILAN BERPIKIR KRITIS DAN HASIL BELAJAR PENGETAHUAN PESERTA DIDIK</b>	PDF 142-155
Abstract view : 66 times DOI: <a href="https://doi.org/10.20527/quantum.v14i1.14959">10.20527/quantum.v14i1.14959</a> <i>Nindy Novita Sari, Leny Leny, Abdul Hamid</i>	
<b>ANALISIS PERBEDAAN SIKAP PEDULI LINGKUNGAN PESERTA DIDIK PADA SETIAP JENJANG ADIWIYATA DI SEKOLAH DASAR KABUPATEN TANAH LAUT</b>	PDF 156-164
Abstract view : 60 times DOI: <a href="https://doi.org/10.20527/quantum.v14i1.15167">10.20527/quantum.v14i1.15167</a> <i>Virra Arifa Kusuma Fatmawati, Arif Sholahuddin, Erwin Rosadi, Ahmadi Ahmadi</i>	