

p-ISSN: 2620-6315

e-ISSN: 2620-6323

# Malikussaleh Journal of Mathematics Learning (MJML)

**Vol. 3, No. 2, October 2020**



universitas  
MALIKUSSALEH

**Published by:**

**Department of Mathematics Education,  
Faculty of Teacher Training & Education**

**Universitas Malikussaleh, Aceh Utara, Indonesia**

p-ISSN: 2620-6315  
e-ISSN: 2620-6323

# Malikussaleh Journal of Mathematics Learning (MJML)

**Vol. 3, No. 2, October 2020**



universitas  
MALIKUSSALEH

**Published by:**  
Department of Mathematics Education,  
Faculty of Teacher Training & Education  
Universitas Malikussaleh, Aceh Utara, Indonesia

## EDITORIAL TEAM

### DITOR-IN-CHIEF

***M Mursalin***, (SCOPUS ID: [57204472312](#)), Department of Mathematics Education, Universitas Malikussaleh, Aceh Utara, **INDONESIA**

### MANAGING EDITOR

***Mutia Fonna***, (SCOPUS ID: [57204471792](#)), Department of Mathematics Education, Universitas Malikussaleh, Aceh Utara, **INDONESIA**

### ASSOCIATE EDITORS

***Hamide Dogan-Dunlap***, (SCOPUS ID: [15065098900](#)), The University of Texas at El Paso, **UNITED STATES OF AMERICA**

***Tommy Tanu Wijaya***, (SCOPUS ID: [57218281226](#)), Department of Mathematics Education, Guangxi Normal University, **CHINA**

***Yilun Shang***, (SCOPUS ID: [7101867944](#)), Department of Mathematics, Northumbria University, **UNITED KINGDOM**

***Christopher C. Tisdell***, (SCOPUS ID: [7005255164](#)), The University of New South Wales, Sydney, **AUSTRALIA**

***Wolff-Michael Roth***, (SCOPUS ID: [57203214233](#)), University of Victoria, British Columbia, **CANADA**

***Andrea Peter-Koop***, (SCOPUS ID: [55389016700](#)), Department of Mathematics Education, University of Bielefeld, **GERMANY**

***Nuria Planas***, (SCOPUS ID: [8356282500](#)), Universitat Autònoma de Barcelona, **SPAIN**

***Robert Weinhandl***, (SCOPUS ID: [57217687274](#)), School of Education, STEM Education, Johannes Kepler University, **AUSTRIA**

***Yazan Alghazo***, (SCOPUS ID: [57204564998](#)), Prince Mohammad Bin Fahd University, **SAUDI ARABIA**

***Krisna Satrio Perbowo***, (SCOPUS ID: [57200726409](#)), Universitas Muhammadiyah Prof. Dr. Hamka, **INDONESIA**

***Nurullah ŞİMŞEK***, (SCOPUS ID: [57211029150](#)), Department of Mathematics Education, Kırıkkale University, **TURKIYE**

***Giovanni Vincenzi***, (SCOPUS ID: [12545628000](#)), Università Degli Studi Di Salerno, **ITALY**

***Rajinder Sharma***, (SCOPUS ID: [55617879200](#)), College of Applied Sciences, Salalah, **OMAN**

***Hestu Wilujeng***, (SCOPUS ID: [57200722263](#)), Universitas Muhammadiyah Tangerang, **INDONESIA**

***Udhayakumar Ramalingam***, (SCOPUS ID: [56340060800](#)), Vellore Institute of Technology, Vellore, **INDIA**

### INTERNATIONAL EDITORIAL BOARD MEMBERS

***Prof. Dr. Jesús Eduardo Hinojos Ramos***, (SCOPUS ID: [57216485030](#)), Centro de Investigación y de Estudios Avanzados, **MEXICO**

***Prof. Dr. Milton Rosa***, (SCOPUS ID: [55313483300](#)), Universidade Federal de Ouro Preto, **BRAZIL**

***Prof. Dr. Ascensión Palomares-Ruiz***, (SCOPUS ID: [57191501806](#)), Universidad de Castilla-La Mancha, **SPAIN**

***Prof. Dr. Luc Trouche***, (SCOPUS ID: [6506226406](#)), Ecole Normale Supérieure de Lyon, Lyon, **FRANCE**

***Prof. Dr. Carl Liu***, (SCOPUS ID: [55729560800](#)), Leshan Vocational and Technical College, **CHINA**

***Prof. Dr. Paul Ernest***, (SCOPUS ID: [15032266900](#)), Exeter University, Exeter, **UNITED KINGDOM**

***Prof. Dr. Habil Gheorghe Săvoiu, Ph. D.***, (SCOPUS ID: [36722291200](#)), University of Pitesti, Pitesti, **ROMANIA**

***Prof. Dr. Merlin John***, (SCOPUS ID: [57169585200](#)), Walter Sisulu University, **SOUTH AFRICA**

***Prof. Dr. Gufran Darma Dirawan, M.EMD***, (SCOPUS ID: [56145309400](#)), Universitas Negeri Makassar, **INDONESIA**

***Prof. Dr. Nor Aziah Alias***, (SCOPUS ID: [50260946700](#)), Universiti Teknologi MARA, **MALAYSIA**

## EDITORIAL TEAM

[Prof. Soner Durmus, Ph.D.](#), (SCOPUS ID: [34568617800](#)), Abant İzzet Baysal University, **TURKIYE**

[Prof. Dr. Mohd Faizal Nizam Lee Abdullah](#), (SCOPUS ID: [57194110104](#)), Universiti Pendidikan Sultan Idris, **MALAYSIA**

[Prof. Dr. Ursula Faura-Martinez](#), (SCOPUS ID: [55123239900](#)), Universidad de Murcia, Murcia, **SPAIN**

[Prof. Dr. Effandi Zakaria](#), (SCOPUS ID: [16246788100](#)), Universiti Kebangsaan Malaysia, **MALAYSIA**

[Prof. Şahin Danişman, Ph.D.](#), (SCOPUS ID: [56641540900](#)), Düzce University, **TURKIYE**

[Prof. Major Dr. Yahya Don](#), (SCOPUS ID: [55789911800](#)), Universiti Utara Malaysia, **MALAYSIA**

[Assoc. Prof. Yarhands Dissou Arthur, Ph.D.](#), (SCOPUS ID: [56589985300](#)), University of Education, Winneba, **GHANA**

[Assoc. Prof. Salmiza Saleh, Ph.D.](#), (SCOPUS ID: [36192220300](#)), Universiti Sains Malaysia, **MALAYSIA**

[Assist. Prof. Nana Mardiana](#), (SCOPUS ID: [57195481197](#)), Universitas Islam Sumatera Utara, **INDONESIA**

[Assist. Prof. Aweke Shishiqu, Ph.D.](#), (SCOPUS ID: [57197822071](#)), Addis Ababa University, **ETHIOPIA**

[Assist. Prof. Adedeji Tella, Ph.D.](#), (SCOPUS ID: [16417761100](#)), University of Ibadan, Ibadan, **NIGERIA**

[Assist. Prof. Tuğba Horzum](#), (SCOPUS ID: [57195515952](#)), Necmettin Erbakan Üniversitesi, Konya, **TURKIYE**

[Assist. Prof. Andi Dian Anggriani](#), (SCOPUS ID: [57200988537](#)), Universitas Islam Negeri Alauddin Makassar, **INDONESIA**

[Assist. Prof. Dr. Alireza Valipour Baboli](#), ([Google Scholar ID](#)), Technical and Vocational University, **IRAN**

### COPY EDITORS

[Nuraina](#), (SCOPUS ID: [57204473625](#)), Department of Mathematics Education, Universitas Malikussaleh, Aceh Utara, **INDONESIA**

[Muliana](#), (SCOPUS ID: [57204473927](#)), Department of Mathematics Education, Universitas Malikussaleh, Aceh Utara, **INDONESIA**

[Iryana Muhammad](#), (SCOPUS ID: [57204467681](#)), Universitas Malikussaleh, Aceh Utara, **INDONESIA**

### PROOFREADERS

[Rohantizani](#), (SCOPUS ID: [57204475886](#)), Department of Mathematics Education, Universitas Malikussaleh, Aceh Utara, **INDONESIA**

[Teuku Azhari](#), (SCOPUS ID: [57212759502](#)), Foreign Language Center, Universitas Malikussaleh, Aceh Utara, **INDONESIA**

**CURRENT INDEXING :**

Malikussaleh Journal of Mathematics Learning are abstracting & indexing in the following databases:



Malikussaleh Journal of Mathematics Learning also has been listed and archives in the following databases: [SHERPA/RoMEO Policy](#), [LOCKSS Archiving System](#), [ULRICHSWEB Proquest](#), [EZB Universitat Regensburg](#), [Open Science Directory](#) by EBSCO information service and [ROAD ISSN](#).

## TABLE OF CONTENTS

<b><i>Effects of Redesigned Model Eliciting Activities on Seventh Grade Students' Mathematics Success and Students' Views about These Activities</i></b> <i>Mehmet Akif Karabörk, Soner Durmus</i> .....34-45 DOI: <a href="https://doi.org/10.29103/mjml.v3i2.2895">https://doi.org/10.29103/mjml.v3i2.2895</a>
<b><i>Impact of Instructional Scaffolding Approach on Secondary School Students Achievement in Mathematics</i></b> <i>Nwoke Bright Ihechukwu</i> .....46-50 DOI: <a href="https://doi.org/10.29103/mjml.v3i2.3168">https://doi.org/10.29103/mjml.v3i2.3168</a>
<b><i>Differences in Increasing The Ability of Reasoning in Problem Based Learning Model and Computer-Based Group Investigation</i></b> <i>Agus Syafrizal, Edi Syahputra, Irvan Irvan</i> .....51-56 DOI: <a href="https://doi.org/10.29103/mjml.v3i2.2422">https://doi.org/10.29103/mjml.v3i2.2422</a>
<b><i>Awareness of Preservice Mathematics Teachers about Prehistoric and Ancient Number Systems</i></b> <i>Nazan Mersin, Mehmet Akif Karabörk, Soner Durmuş</i> .....57-61 DOI: <a href="https://doi.org/10.29103/mjml.v3i2.2904">https://doi.org/10.29103/mjml.v3i2.2904</a>
<b><i>Incorporating Culture and Mother Tongue in Mathematics Learning : Counting Operation in Traditional Houses Using Banyuwangi</i></b> <i>Rachmaniah Mirza Hariastuti, Mega Teguh Budiarto, Manuharawati Manuharawati</i> .....62-69 DOI: <a href="https://doi.org/10.29103/mjml.v3i2.2482">https://doi.org/10.29103/mjml.v3i2.2482</a>
<b><i>Comparative Study of Levels of Academic Self Esteem and Academic Achievement in Mathematics among Pupils of Two and Single Parent Families</i></b> <i>Unamba Unamba, Okwara Kalu, Ibe Georgeline</i> .....70-75 DOI: <a href="https://doi.org/10.29103/mjml.v3i2.3172">https://doi.org/10.29103/mjml.v3i2.3172</a>
<b><i>Correlation between Students' Mathematical and Logical Spatial Intelligence in Terms of Understanding Concepts</i></b> <i>M Zaiyar, Irfan Rusmar, Trisna Yuniarti</i> .....76-79 DOI: <a href="https://doi.org/10.29103/mjml.v3i2.3005">https://doi.org/10.29103/mjml.v3i2.3005</a>