



sugeng sutiarto <sugengsutiarto7@gmail.com>

---

## KirimArtikel

1 pesan

---

**sugeng sutiarto** <sugengsutiarto7@gmail.com>  
Kepada: rully.jme@gmail.com

31 Mei 2017 07.02

Yth. Pengelola JME Unri

Assalamu'alaikum,

Saya Sugeng Sutiarto (Unila) rencana akan mengirim artikel ke JME Unsri, namun selalu gagal (hanya bisa sampai tahap 2) dan kembali ke Login lagi.

Mohon bantuannya agar dapat masukkan artikel.

Terima kasih.

Wassalam,

Sugeng Sutiarto

HP 081369542055

Published by:



Journal on Mathematics Education

(P-ISSN: 2087-8885 | E-ISSN: 2407-0610)

Scopus<sup>®</sup>  
Indexed[HOME](#) [ABOUT](#) [USER HOME](#) [SEARCH](#) [CURRENT](#) [ARCHIVES](#) [ANNOUNCEMENTS](#) [CONTACT](#) [NEW WEBSITE](#)[Home](#) > [User](#) > [Author](#) > [Submissions](#) > #4291 > **Review**

## #4291 Review

[SUMMARY](#) [REVIEW](#) [EDITING](#)

### Submission

Authors	Sugeng Sutiarto, Coesamin Coesamin, Nurhanurawati Nurhanurawati
Title	THE EFFECT OF VARIOUS MEDIA SCAFFOLDING ON INCREASING UNDERSTANDING OF STUDENTS' GEOMETRY CONCEPTS
Section	Articles
Editor	Zulkardi Zulkardi

### Peer Review

#### Round 1

Review Version	4291-9280-1-RV.DOCX 2017-06-02
Initiated	—
Last modified	—
Uploaded file	None

### Editor Decision

Decision	—
Notify Editor	Editor/Author Email Record  No Comments
Editor Version	None
Author Version	None
Upload Author Version	<input type="button" value="Choose File"/> No file chosen <input type="button" value="Upload"/>

#### Journal on Mathematics Education

Doctoral Program on Mathematics Education  
Faculty of Teacher Training and Education, Universitas Sriwijaya  
Kampus FKIP Bukit Besar  
Jl. Sriwijaya Negara, Bukit Besar  
Palembang - 30139  
email: jme@unsri.ac.id

p-ISSN: 2087-8885 | e-ISSN: 2407-0610



Journal on Mathematics Education (JME) is licensed under a Creative Commons Attribution 4.0 International License.

00882989

[View My Stats](#)[Author Guidelines](#)[Editorial Team](#)[Focus and Scope](#)[Publication Ethics](#)[Open Access Policy](#)[Peer Review Process](#)[Online Submissions](#)[Contact Us](#)Journal on Mathematics  
Education

Q2

Education

best quartile

SJ2021

0.53

powered by scimagojr.com

4.3

2020

CiteScore

93rd percentile

Powered by Scopus

USER

You are logged in as...

**sutiarto**

- » [My Journals](#)
- » [My Profile](#)
- » [Log Out](#)

CURRENT INDEXING

Scopus<sup>®</sup>sinta<sup>SI</sup>  
Science and Technology IndexGoogle  
Scholar

Crossref

DOAJ  
DIRECTORY OF  
OPEN ACCESS  
JOURNALSERIC  
Institute of Education Sciences

KEYWORDS

Asian Games Curriculum  
Design Research

Design research  
Ethnomathematics Gender  
Geometry Integers Malaysia  
Mathematical literacy Mental models  
Metacognition Metaphors Microworlds  
PISA PMRI Pre-service  
mathematics teachers Realistic  
Mathematics Education  
Subtraction design research  
geometry



sugeng sutiarto &lt;sugengsutiarto7@gmail.com&gt;

---

**[JME] Editor Decision**

2 pesan

---

**Rully Charitas Indra Prahmana** <eprints@eprints.unsri.ac.id>  
Kepada: sugeng sutiarto <sugengsutiarto7@gmail.com>

12 Januari 2018 15.43

sugeng sutiarto:

We have reached a decision regarding your submission to Journal on Mathematics Education, "The Effect of Various Media Scaffolding on Increasing Understanding of Students' Geometry Concepts".

Our decision is to: Revision required

Please revise your paper based on the suggestion of reviewer (attached) before January 21, 2017.  
Thank you.

Kind regards,

Zulkardi Zulkardi  
(SCOPUS ID: 55808334900), Sriwijaya University, Palembang  
[zulkardi@yahoo.com](mailto:zulkardi@yahoo.com)

---

Journal on Mathematics Education (p:2087-8885 e:2407-0610)  
<http://ejournal.unsri.ac.id/index.php/jme>

---

 **Review Form - 4291.docx**  
22K

---

**sugeng sutiarto** <sugengsutiarto7@gmail.com>  
Kepada: Rully Charitas Indra Prahmana <eprints@eprints.unsri.ac.id>

20 Januari 2018 22.26

Dear Prof. Zulkardi.


I have resubmitted the corrected article, as well as the letter of confirmation from the language editor. Kindly let me know more important information, thank you.

Best regards,  
Sugeng Sutiarto

[Kutipan teks disembunyikan]

---

**2 lampiran**

 **revisi\_sugeng unsri.docx**  
94K

 **sugeng\_letter of confirmation.pdf**  
150K



SUGENG SUTJARSO &lt;sugeng.sutiarso@fkip.unila.ac.id&gt;

## # Konfirmasi Cetak JME Vol. 9 No. 1 January 2018 dan Kewajiban Penulis #

4 messages

**rully charitas** <rully.jme@gmail.com> Mon, Jan 29, 2018 at 2:52 PM  
 To: toho.ditjora@gmail.com, "Dr. I Wayan Puja Astawa, S.Pd, M,Stat.Sci." <puja.astawa@undiksha.ac.id>, Maman Fathurrohman <mamanf@untirta.ac.id>, msalehginting@gmail.com, rahmahjohar@fkip.unsyiah.ac.id, marhamahfajriyah10@yahoo.com, Ratu Ilma <ratu.irma@yahoo.com>, demm\_samo@yahoo.com, sugeng.sutiarso@fkip.unila.ac.id, delsika.math@unlam.ac.id, nidyaferri@gmail.com, henrykurniawan46@gmail.com, suarsana1983@gmail.com, santhiwiidya@yahoo.co.id, isuparta@yahoo.com, nisiyatussani@untirta.ac.id, vidyaayungtyas@untirta.ac.id, nurulanriani@untirta.ac.id, sri.yusniarti89@gmail.com, saminan2011@yahoo.com, jailani@uny.ac.id, "Sitti.Patahuddin" <Sitti.Patahuddin@canberra.edu.au>  
 Cc: zulkardi zulkardi <zulkardi@yahoo.com>

Dear All Penulis JME Vol. 9 No. 1, January 2018 yang baik,

Berdasarkan kebijakan *Article's Publication Cost in Journal on Mathematics Education (JME)*, <http://ejournal.unsri.ac.id/index.php/jme/about/editorialPolicies#custom-3>, dan telah diterbitkan edisi online JME Volume 9 No. 1 January 2018 (<http://ejournal.unsri.ac.id/index.php/jme>), maka dimohon para Penulis untuk membayarkan kewajiban penulis sebesar Rp. 1.950.000,- (\$150 x 13.000) untuk 12 halaman pertama dan tambahan Rp. 390.000,- (\$30 x 13.000) per kelebihan halaman ke rekening berikut:

Bank BNI  
 atas nama Dr. Zulkardi, M.Ikom., M.Sc  
 Nomor rekening 021 6647 385

Setelah proses pembayaran, dimohon penulis segera mengirimkan scan bukti pembayaran dan alamat lengkap penulis via email. Sehingga, kami bisa memproses data Penulis dan segera mengirimkan 2 eksemplar edisi cetak JME Volume 9 No. 1 January 2018, sesuai dengan *guidelines* di atas. Selain itu, jika pihak kampus, dimana tempat Anda mengajar, ingin berlangganan edisi cetak JME, berikut kami lampirkan form berlangganan edisi cetak JME.

Semoga semuanya berjalan lancar, penuh berkah, dan manfaat. Amin...  
 Atas perhatian dan kerjasamanya, kami ucapkan banyak terimakasih..

Salam,

Dr. Rully Charitas Indra Prahmana  
 Managing Editor [Journal on Mathematics Education](#)  
 SINTA ID: 29889  
 Scopus ID: 57192302745  
 Orchid ID: 0000-0002-9406-689X  
 Google Scholar: [Rully Charitas Indra Prahmana](#)  
 Research Gate: [Rully\\_Prahmana](#)  
 No. Hp (WA): 085774991187

**10 - JME - Subscription Form v2016.pdf**  
 47K

**SUGENG SUTJARSO** <sugeng.sutiarso@fkip.unila.ac.id>  
 To: rully charitas <rully.jme@gmail.com>

Tue, Jan 30, 2018 at 1:07 PM

Bukti Transfer dan Alamat  
 [Quoted text hidden]

**Bukti Transfer.pdf**  
 109K

**SUGENG SUTJARSO** <sugeng.sutiarso@fkip.unila.ac.id>  
 To: rully charitas <rully.jme@gmail.com>

Sun, Feb 18, 2018 at 10:20 PM

Yth. Pengelola JME Unsri

Assalamu'alaikum.

Maaf sebelumnya, saya mau tanya apakah jurnal cetaknya sudah dikirim?.  
Karena hingga saat saya belum menerima jurnal cetaknya.

Trimk.

Sugeng Sutiaso

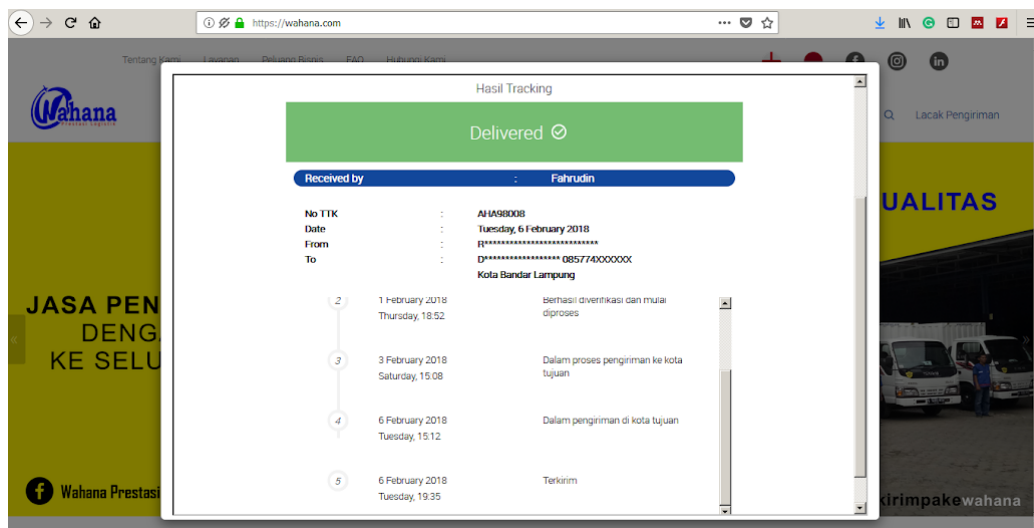
[Quoted text hidden]

**rully charitas** <rully.jme@gmail.com>  
To: SUGENG SUTIARSO <sugeng.sutiarso@fkip.unila.ac.id>

Sun, Feb 18, 2018 at 11:20 PM

Dear Bapak Sugeng yang baik,

Berdasarkan hasil pelacakan, jurnal nya sudah sampai tanggal **6 Februari 2018** yang lalu dan yang menerima nya adalah saudara **Fahrudin**, seperti tampak pada gambar dibawah ini:



Semoga dapat segera dilacak. Aamiin...  
Terimakasih..

Salam,  
Rully

[Quoted text hidden]

--

[Quoted text hidden]

Published by:



Journal on Mathematics Education

(P-ISSN: 2087-8885 | E-ISSN: 2407-0610)

Scopus<sup>®</sup>  
Indexed[HOME](#) [ABOUT](#) [USER HOME](#) [SEARCH](#) [CURRENT](#) [ARCHIVES](#) [ANNOUNCEMENTS](#) [CONTACT](#) [NEW WEBSITE](#)[Home](#) > [User](#) > [Author](#) > [Submissions](#) > #4291 > **Editing**

## #4291 Editing

[SUMMARY](#) [REVIEW](#) [EDITING](#)

### Submission

Authors Sugeng Sutiarmo, Coesamin Coesamin, Nurhanurawati Nurhanurawati

Title THE EFFECT OF VARIOUS MEDIA SCAFFOLDING ON INCREASING UNDERSTANDING OF STUDENTS' GEOMETRY CONCEPTS

Section Articles

Editor Zulkardi Zulkardi

### Copyediting

COPYEDIT INSTRUCTIONS

REVIEW METADATA	REQUEST	UNDERWAY	COMPLETE
1. Initial Copyedit File: None	—	—	—
2. Author Copyedit File: None <input type="button" value="Choose File"/> No file chosen <input type="button" value="Upload"/>	—	—	
3. Final Copyedit File: None	—	—	—

Copyedit Comments No Comments

### Layout

Galley Format	FILE	
1. PDF <a href="#">VIEW PROOF</a>	4291-11111-1-PB.PDF 2018-02-11	1023
Supplementary Files	FILE	None

Layout Comments No Comments

### Proofreading

REVIEW METADATA

	REQUEST	UNDERWAY	COMPLETE
1. Author	—	—	
2. Proofreader	—	—	—
3. Layout Editor	—	—	—

Proofreading Corrections No Comments [PROOFING INSTRUCTIONS](#)

#### Journal on Mathematics Education

Doctoral Program on Mathematics Education  
Faculty of Teacher Training and Education, Universitas Sriwijaya  
Kampus FKIP Bukit Besar  
Jl. Sriwijaya Negara, Bukit Besar  
Palembang - 30139  
email: jme@unsri.ac.id

p-ISSN: 2087-8885 | e-ISSN: 2407-0610



Journal on Mathematics Education (JME) is licensed under a Creative Commons Attribution 4.0 International License.

[Author Guidelines](#)[Editorial Team](#)[Focus and Scope](#)[Publication Ethics](#)[Open Access Policy](#)[Peer Review Process](#)[Online Submissions](#)[Contact Us](#)Journal on Mathematics  
Education

Q2

Education

best quartile

SJR 2021

0.53

powered by scimagojr.com

4.3

2020

CiteScore

93rd percentile

Powered by **Scopus**

USER

You are logged in as...

**sutiarmo**

- » [My Journals](#)
- » [My Profile](#)
- » [Log Out](#)

CURRENT INDEXING

Scopus<sup>®</sup>sinta<sup>S1</sup>  
Science and Technology IndexGoogle  
Scholar

Crossref

DOAJ  
DIRECTORY OF  
OPEN ACCESS  
JOURNALSERIC  
Institute of Education Sciences

KEYWORDS

Asian Games Curriculum  
Design Research

00882986

[View My Stats](#)

---

Design research  
Ethnomathematics Gender  
Geometry Integers Malaysia  
Mathematical literacy Mental models  
Metacognition Metaphors Microworlds  
PISA PMRI Pre-service  
mathematics teachers Realistic  
Mathematics Education  
Subtraction design research  
geometry



Published by:



Journal on Mathematics Education

(P-ISSN: 2087-8885 | E-ISSN: 2407-0610)

Scopus<sup>®</sup>  
Indexed[HOME](#) [ABOUT](#) [USER HOME](#) [SEARCH](#) [CURRENT](#) [ARCHIVES](#) [ANNOUNCEMENTS](#) [CONTACT](#) [NEW WEBSITE](#)[Home](#) > [User](#) > [Author](#) > [Submissions](#) > #4291 > **Summary**

## #4291 Summary

[SUMMARY](#) [REVIEW](#) [EDITING](#)

### Submission

Authors	Sugeng Sutiarto, Coesamin Coesamin, Nurhanurawati Nurhanurawati
Title	THE EFFECT OF VARIOUS MEDIA SCAFFOLDING ON INCREASING UNDERSTANDING OF STUDENTS' GEOMETRY CONCEPTS
Original file	4291-9279-1-SM.DOCX 2017-06-02
Supp. files	None
Submitter	sugeng sutiarto
Date submitted	June 2, 2017 - 09:48 AM
Section	Articles
Editor	Zulkardi Zulkardi
Abstract Views	1226

### Status

Status	Published Vol 9, No 1 (2018)
Initiated	2018-02-11
Last modified	2020-04-11

### Submission Metadata

#### Authors

Name Sugeng Sutiarto   
 Affiliation Lampung University, Lampung  
 Country Indonesia  
 Bio Statement —

Principal contact for editorial correspondence.

Name Coesamin Coesamin   
 Affiliation Lampung University, Lampung  
 Country Indonesia  
 Bio Statement —

Name Nurhanurawati Nurhanurawati   
 Affiliation Lampung University, Lampung  
 Country Indonesia  
 Bio Statement —

#### Title and Abstract

Title THE EFFECT OF VARIOUS MEDIA SCAFFOLDING ON INCREASING UNDERSTANDING OF STUDENTS' GEOMETRY CONCEPTS

Abstract

This study is a quasi-experimental research with pretest-posttest control group design, which aims to determine (1) the tendency of students in using various media scaffolding based on gender, and (2) effect of media scaffolding on increasing understanding of students' geometry concepts. Media scaffolding used this study is chart, props, and visual. The population was the fifth grade students of State Elementary School I Gunung Terang (total 40 students), Bandar Lampung, Indonesia of the academic year 2015-2016. The sample was total sampling, respectively 20 students in the experimental class (with media scaffolding) and control class (without media scaffolding). Data were collected through observation, interview and test. Analysis of the observation and interviews data with descriptive statistics (percentage), and the test data was analyzed by (a) measuring the level of effectiveness on increasing understanding of students' geometry concepts with formula of Hake's Normalized Gain (g) and its interpretation, and (b) examine of hypotesis on level of effectiveness with t-test. The results of research showed that (1) the tendency of male students using the media scaffolding props, and female students using scaffolding media chart, and (2) effect of media scaffolding on increasing understanding of students' geometry concepts is effective enough.

DOI: <http://dx.doi.org/10.22342/jme.9.1.4291.95-102>[Author Guidelines](#)[Editorial Team](#)[Focus and Scope](#)[Publication Ethics](#)[Open Access Policy](#)[Peer Review Process](#)[Online Submissions](#)[Contact Us](#)Journal on Mathematics  
Education

Q2

Education

best quartile

SJR 2021

0.53

powered by scimagojr.com

4.3

2020

CiteScore

93rd percentile

Powered by Scopus

USER

You are logged in as...

**sutiarto**

- » My Journals
- » My Profile
- » Log Out

CURRENT INDEXING



KEYWORDS

Asian Games Curriculum  
Design Research

## Indexing

Keywords Media Scaffolding, Chart, Props, Visual, Understanding of Students' Geometry Concept  
Language en

## Supporting Agencies

Agencies Ministry of research, technology, and higher education, Indonesia.

## References

- References
- Ada, T. & Kurtulus, A. (2010). Students' misconceptions and errors in transformation geometry. *International Journal of Mathematics Education in Science and Technology*, 41(7), 901-909.
- Alibali, M. (2006). Does Visual Scaffolding Facilitate Students' Mathematics Learning?. Evidence from Early Algebra, (Online), (<http://www.ies.ed.gov>), accessed on June 12, 2014.
- Amiripour, P., Mofidi, S. A., & Shahvarani, A. (2012). Scaffolding as effective method for mathematical learning. *Indian Journal of Science and Technology*, 5(9), 3328-3331.
- Anwar, Yuwono, I., Irawan, E.B., & As'ari, A.R. (2016). Investigation of contingency patterns of teachers' scaffolding in teaching and learning mathematics. *Journal on Mathematics Education*, 8(1), 65-76.
- Azevedo, R. & Hadwin, A.F. (2005). Scaffolding self-regulated learning and metacognition-implications for the design of computer-based scaffolds. *Intructional Science*, 33(5), 367-379.
- Balitbang Kemdikbud. (2013). Analisis Hasil UN, (Online), (<http://www.balitbang.kemdikbud.go.id>), accessed on 3 July 3, 2014.
- Baxter, J. A. & Williams, S. (2010). Social and analytic scaffolding in middle school mathematics: managing the dilemma of telling. *Journal Mathematics Teacher Education*, 13(1), 7-26.
- Coesamin, M. & Sutiarso, S. (2013). Penggunaan Tangram dalam Pembelajaran Geometri pada Siswa Kelas 5 Sekolah Dasar. Research report (unpublished). Bandar Lampung: Universitas Lampung.
- Dove, A. & Hollenbrands, K. (2013). Teachers' scaffolding of students' learning of geometry while using a dynamic geometry program. *International Journal of Mathematical Education in Science and Technology*, 45(5), 668-681.
- Fajarini, A., Soetjipto, B.E., & Hanurawan, F. (2016). Developing a social studies module by using problem based learning (PBL) with scaffolding for the seventh grade students in a junior high school in malang, indonesia. *Journal of Research & Method in Education*, 6(1), 62-69.
- Hmelo-Silver, C.E., Duncan, R.G., & Chinn, C.A. (2007). Scaffolding and Achievement in Problem -Based and Inquiry Learning: A Response to Kirschner, Swaller, and Clark. *Educational Psychologist*, 42(2), 99-107.
- Hryciw, D. H. & Dantas, A. M. (2016). Scaffolded research-based learning for the development of scientific communication in undergraduate physiology students. *International Journal of Innovation in Science and Mathematics Education*, 24(1), 1-11.
- Hurst, M. (2015). Gender Differences in the Classroom: Physical, Cognitive & Behavioral, (Online), (<http://www.study.com/academy/lesson/gender-differences-in-the-classroom-physical-cognitive-behavioral.html>), accessed on June 14, 2014.
- Jang, S. & Lim, W.C. (2008). The Effects of Scaffolding Types on the Problem Solving Phase. In J. Luca & E. Weippl (Eds.), *Proceedings of EdMedia: World Conference on Educational Media and Technology*, 2402-2406.
- Kabaca, T., Karadang, Z., & Aktumen, M. (2011). Misconception, cognitive conflict and conceptual changes in geometry: a case study with pre-service teachers. *Melvana International Journal of Education*, 1(2), 44-55.
- Kidwai, K., Munyofu, M., Swain, W.J., Ausman, B.D., Lin, H.H., & Dwyer, F. (2001). Effect of Visual Scaffolding and Animation on Students?, Performance on Measures of Higher Order Learning, (Online), ([www.eric.ed.gov](http://www.eric.ed.gov)), accessed on June 20, 2014.
- Loranz, D. (2014). Course Assessment Report (CAR), (Online). (<http://www.tmcc.edu/media/tmcc/departments/assessment/doc>), accessed on July 2, 2015.
- Mohd, N. & Mahmood, T.F.P.T. (2011). The effect of attitude towards problem solving in mathematics achievements. *Australian Journal of Basic and Applied Sciences*, 5(12), 1857-1862.
- Ozerem, A. (2012). Misconceptions in geometry and suggested solutions for seventh grade students. *International Journal of New Trends in Arts, Sports & Science Education*, 1(4), 223-35.
- Pohler, B. & Prediger, S. (2015). Trajectories-a design research study on dual macro-scaffolding toward percentages. *Eurasia Journal of Mathematics, Science & Technology Education*, 11(6), 1697-1722.
- Schwartz, J.E. (2014). Why do People Have Difficulty with Geometry, (Online), ([www.education.com/reference/article/why-people-have-difficulty-geometry](http://www.education.com/reference/article/why-people-have-difficulty-geometry)), accessed on July 1, 2015.
- Siemon, D. & Izard, J. (2006). Scaffolding Numeracy in the Middle Years Linkage Project 2003-2006, (Online), ([www.educationvic.gov.au](http://www.educationvic.gov.au)), accessed on January 5, 2015.
- Sutiarso, S. & Coesamin, M. (2012). Analisis Kesalahan Geometri Siswa. Research report (unpublished). Bandar Lampung: Universitas Lampung.
- Sutiarso, S., Nurhanurawati, & Coesamin, M. (2008). Implementasi pembelajaran matematika dengan problem posing yang dikombinasikan dengan cooperative. *Jurnal Pendidikan MIPA*, 9(2), 30-35.
- Wood, D., Bruner, J.S., & Ross, G. (1976). The role of tutoring in problem solving. *Journal of Child Psychology and Psychiatry*, 17(2), 89-100.

Design research  
Ethnomathematics Gender  
Geometry Integers Malaysia  
Mathematical literacy Mental models  
Metacognition Metaphors Microworlds  
PISA PMRI Pre-service  
mathematics teachers Realistic  
Mathematics Education  
Subtraction design research  
geometry

## Journal on Mathematics Education

Doctoral Program on Mathematics Education  
Faculty of Teacher Training and Education, Universitas Sriwijaya  
Kampus FKIP Bukit Besar  
Jl. Sriwijaya Negara, Bukit Besar  
Palembang - 30139  
email: [jme@unsri.ac.id](mailto:jme@unsri.ac.id)

p-ISSN: 2087-8885 | e-ISSN: 2407-0610



Journal on Mathematics Education (JME) is licensed under a Creative Commons Attribution 4.0 International License.

**00002992**

[View My Stats](#)

---