



JTAM

Jurnal Teori dan Aplikasi Matematika

ISSN 2597-7512 (Print) ISSN 2614-1175 (Online)

Universitas Muhammadiyah Mataram

Website: <http://journal.ummat.ac.id/index.php/jtam/>

- HOME
- ABOUT
- USER HOME
- SEARCH
- CURRENT
- ARCHIVES
- ANNOUNCEMENTS
- EDITORIAL TEAM
- FOCUS & SCOPE

Home > User > Author > Submissions > #17614 > Summary

#17614 Summary

- SUMMARY
- REVIEW
- EDITING

Submission

Authors	Loso Judjanto, Jitu Halomoan Lumbantoruan
Title	Mental Comparison of Students Learning Abacus-Arithmetic and Not Learning Abacus-Arithmetic on Mathematics Material
Original file	17614-57415-1-SM.DOCX 2023-09-04
Supp. files	None
Submitter	Jitu halomoan
Date submitted	September 4, 2023 - 12:24 PM
Section	Articles
Editor	Dewi Pramita
Author comments	To the JTAM Editor: Prof. Dr. Syaharuddin Syaharuddin, M.Pd

Send mes...

Below I am sending an article to the journal that you manage. Hopefully acceptable. Thank You

Greetings

QUICK MENU

- Journal History
- Editorial Team
- Focus and Scope
- Author Guidelines
- Publication Ethics
- Open Access Policy
- Peer Review Process
- Screening Plagiarism
- Online Submission

Supp. files	None
Submitter	Jitu halomoan
Date submitted	September 4, 2023 - 12:24 PM
Section	Articles
Editor	Dewi Pramita
Author comments	To the JTAM Editor: Prof. Dr. Syaharuddin Syaharuddin, M.Pd Below I am sending an article to the journal that you manage. Hopefully acceptable. Thank You Greetings Jitu Halomoan Lumbantoruan
Abstract Views	0

Status

Status	Published Vol 8, No 1 (2024): January [Proses]
Initiated	2024-01-19
Last modified	2024-01-19

Submission Metadata

Authors

Name	Loso Judjanto
ORCID iD	http://orcid.org/0009-0007-7766-0647
Affiliation	IPOSS, Jakarta
Country	Indonesia
Bio Statement	—
Name	Jitu Halomoan Lumbantoruan
ORCID iD	http://orcid.org/0000-0002-9109-7404
Affiliation	Department of Mathematics Education, Universitas Kristen Indonesia, Jakarta

- Author Guidelines
- Publication Ethics
- Open Access Policy
- Peer Review Process
- Screening Plagiarism
- Online Submission
- Author Fees
- Indexing
- Contact Us
- Scopus Citation Analysis

USER



You are logged in as...
00111100

- My Journals
- My Profile
- Log Out

DOWNLOAD DOCUMENT

Send mes...

Authors

Name: Loso Judjanto 
ORCID ID: <http://orcid.org/0009-0007-7766-0647>
Affiliation: IPOSS, Jakarta
Country: Indonesia
Bio Statement: —
Name: Jitu Halomoan Lumbantoruan 
ORCID ID: <http://orcid.org/0000-0002-9109-7404>
Affiliation: Department of Mathematics Education, Universitas Kristen Indonesia, Jakarta
Country: Indonesia
Bio Statement: —
Principal contact for editorial correspondence.

Title and Abstract

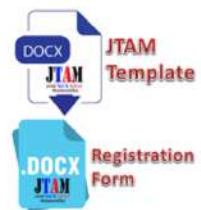
Title: Mental Comparison of Students Learning Abacus-Arithmetic and Not Learning Abacus-Arithmetic on Mathematics Material
Abstract: Students' mental mastery in elementary school mathematics lessons in Indonesia is weak, slow, inaccurate, and declining. Mastery problems among elementary school students who have studied mental abacus arithmetic were found to be low. This is an urgent matter to research because there is a gap between theory, expectations, and reality. The purpose of this research was to compare the ability to solve mathematical problems between students who studied abacus mental arithmetic and students who did not study abacus mental arithmetic. This research involved 70 students. Data collection techniques using instruments, the instruments used were the first-semester mathematics exam and mental arithmetic exam. Data analysis techniques using SPSS Version 25.0 statistics, namely the t-test, were used to compare the ability to solve mathematical problems between students who studied mental abacus-arithmetic and students who did not study mental abacus-arithmetic. Pearson correlation was used to determine the relationship between students' mental arithmetic learning achievement and their ability to solve mathematical problems. The results of the research showed that there was a significant difference ($p < 0.05$) in learning achievement on symbolic mathematics questions and mental arithmetic achievement between students who studied mental abacus calculation and students who did not study mental abacus calculation. The minimum score of the group that studied mental abacus calculation was higher compared to the group that did not study mental abacus calculation. However, there was no significant difference ($p < 0.05$) in mathematics learning achievement between students who studied mental abacus-arithmetic and students who did not study mental abacus-arithmetic.

Mathematics Students' Mentality: Learning Abacus-Arithmetic Ability.

You are logged in as...
00111100

- ▶ My Journals
- ▶ My Profile
- ▶ Log Out

DOWNLOAD DOCUMENT



GOOGLE SCHOLAR JTAM

503

Send mes... ing
ords

there was no significant difference ($p < 0.05$) in mathematics learning achievement between students who studied mental abacus-arithmetic and students who did not study mental abacus-arithmetic.

Indexing

Keywords
Language

Supporting Agencies

Agencies

References

References

Mathematics Students' Mentality; Learning Abacus-Arithmetic Ability.
en

Universitas Kristen Indonesia and IPOSS

Bhavya, R. L., Dhanalakshmi, Y., & Philip, R. A. (2022). Assessment and comparison of cognitive function tests in abacus trained and untrained students aged 8-12 years in the South-Indian population. *Biomedicine (India)*, 42(1), 127-133. <https://doi.org/10.51248/v42i1.443>

Cecchetti, A. R., Sytsma, A., Stiegler, A. N., Dawson, T. E., & Sedlak, D. L. (2020). Use of stable nitrogen isotopes to track plant uptake of nitrogen in a nature-based treatment system. *Water Research X*, 9(December 2020), 100070.1-11. <https://doi.org/10.1016/j.wroa.2020.100070>

Copur-Gencturk, Y., & Doleck, T. (2021). Linking teachers' solution strategies to their performance on fraction word problems. *Teaching and Teacher Education*, 101(May 2021), 103314.1-7. <https://doi.org/10.1016/j.tate.2021.103314>

Dawnay, N., & Sheppard, K. (2023). From crime scene to courtroom: A review of the current bioanalytical evidence workflows used in rape and sexual assault investigations in the United Kingdom. *Science and Justice*, 63(2), 206-228. <https://doi.org/10.1016/j.scjus.2022.12.006>

Goffin, C., Sokolowski, H. M., Slipenky, M., & Ansari, D. (2019). Does writing handedness affect neural representation of symbolic number? An fMRI adaptation study. *Cortex*, 121(December 2019), 27-43. <https://doi.org/10.1016/j.cortex.2019.07.017>

Ishiguro, A., Nishioka, M., Morishige, A., Kawano, R., Kobayashi, T., Fujinaga, A., Takagi, F., Kogo, T., Morikawa, Y., Okayama, N., Mizuno, H., Aihara, M., Suehiro, Y., & Yamasaki, T. (2020). What is the best wavelength for the measurement of hemolysis index? *Clinica Chimica Acta*, 510(November 2020), 15-20. <https://doi.org/10.1016/j.cca.2020.06.046>

Jamil, N., Belkacem, A. N., & Lakas, A. (2023). On enhancing students' cognitive abilities in online learning using brain activity and eye movements. In *Education and Information Technologies (Vol. 28, Issue 4)*. Springer US. <https://doi.org/10.1007/s10639-022-11372-2>

Kadir, A., & Yogyakarta, U. N. (2023). *Mathematical Abilities of Elementary School Students: a Bibliometric Analysis*. *Proceedings Series on Social Sciences & Humanities*, 12(3), 541-549. <https://doi.org/10.30595/pssh.v12i.844>

Kantar, L. D., Ezzeddine, S., & Rizk, U. (2020). Rethinking clinical instruction through the zone of proximal development. *Nurse Education Today*, 95(September), 104595.1-8. <https://doi.org/10.1016/j.nedt.2020.104595>

Kholid, M. N., Sa'dijah, C., Hidayanto, E., & Permadi, H. (2020). How are students' reflective thinking for problem solving? *Journal for the Education of Gifted Young Scientists*, 8(3), 1135-1146. <https://doi.org/10.17478/JEGYS.688210>



TOOLS

SCREENED BY
 iThenticate
Professional Plagiarism Prevention

MENDELEY

grammarly
Your best writing assistant online

PROOFREAD SERVICES



Send mes...

Wahyu, R., Putra, Y., Haenilah, E. Y., Harini, H., & Sutarso, S. (2023). THREE-YEAR TREND MATHEMATICAL REPRESENTATION ABILITY IN SCOPUS DATABASE. *Infinity*, 12(2), 243–260. <https://doi.org/https://doi.org/10.22460/infinity.v12i2.p243-260>

Wei, Y., Zhang, Q., Guo, J., & Chen, M. (2023). Learning to teach through noticing: a bibliometric review of teacher noticing research in mathematics education during 2006–2021. *Humanities and Social Sciences Communications*, 10(1), 1–15. <https://doi.org/10.1057/s41599-023-01718-7>

Widiyanto, N., Sandhyaduhita, P. I., Hidayanto, A. N., & Munajat, Q. (2016). Exploring information quality dimensions of government agency 's Information services through social media : a case of the Ministry of Education and Culture in Indonesia. *International Journal*, 12(3), 256–278. <https://doi.org/https://doi.org/10.1504/EG.2016.076421>

Xu, J., & Zhong, B. (2018). Review on portable EEG technology in educational research. *Computers in Human Behavior*, 81(April 2018), 340–349. <https://doi.org/10.1016/j.chb.2017.12.037>

Zhou, H., Geng, F., Wang, T., Wang, C., Xie, Y., Hu, Y., & Chen, F. (2020). Training on Abacus-based Mental Calculation Enhances Resting State Functional Connectivity of Bilateral Superior Parietal Lobules. *Neuroscience*, 432(15 April 2020.), 115–125. <https://doi.org/10.1016/j.neuroscience.2020.02.033>

TW 104	DO 0
DE 162	HR 6
SA 152	MW 6
HK 147	AZ 5
IT 146	PR 5
KR 134	AM 5
EG 132	GY 5
NL 122	SI 5
BR 122	FJ 4
FR 112	GE 4
ES 94	LA 4
GR 91	UY 4
IQ 84	PA 4
MX 79	BI 3
IL 78	MV 3
SE 75	ME 3
ET 71	BF 3
PE 70	VE 3
GH 68	BW 3
CZ 65	SD 3
DZ 65	FM 3
AE 65	SO 3
CO 61	BY 3
PL 56	ER 3
KE 53	UM 3
MA 52	XX 2
HU 50	MK 2
JO 48	PG 2
EC 47	MD 2
BD 47	SN 2
NO 44	TG 2
RO 37	VU 2
UZ 36	MN 2
FI 34	BA 2
NZ 34	CV 2
OM 30	BJ 2
KH 30	CU 2
PT 29	JE 1
AR 27	CG 1
TZ 27	LU 1
AT 27	TC 1
BE 27	AF 1

JTAM already indexing:



Send mes...  

<https://journals.indexcopernicus.com/search/journal/issue?issuelid=all&journalid=51506> a)

Home > User > Author > Submissions > #17614 > Review

#17614 Review

SUMMARY REVIEW EDITING

Submission

Authors Loso Judijanto, Jitu Halomoan Lumbantoruan
Title Mental Comparison of Students Learning Abacus-Arithmetic and Not Learning Abacus-Arithmetic on Mathematics Material
Section Articles
Editor Dewi Pramita

Peer Review

Round 1

Review Version 17614-57417-2-RV.DOCX 2023-09-05
Initiated 2023-09-29
Last modified 2023-11-12
Uploaded file Reviewer A 17614-62657-1-RV.DOCX 2023-11-12
Reviewer B 17614-69807-1-RV.DOCX 2023-10-08

Editor Decision

Decision Accept Submission 2023-11-23
Record 2023-11-23

JTAM Sinta 2 1692 Citations

QUICK MENU

- Journal History
- Editorial Team
- Focus and Scope
- Author Guidelines
- Publication Ethics
- Open Access Policy
- Peer Review Process
- Screening Plagiarism
- Online Submission
- Author Fees
- Indexing
- Contact Us

Editor Dewi Pramita

Peer Review

Round 1

Review Version	17614-57417-2-RV.DOCX 2023-09-05
Initiated	2023-09-29
Last modified	2023-11-12
Uploaded file	Reviewer A 17614-62657-1-RV.DOCX 2023-11-12 Reviewer B 17614-60807-1-RV.DOCX 2023-10-08

Editor Decision

Decision	Accept Submission 2023-11-23
Notify Editor	Editor/Author Email Record 2023-11-23
Editor Version	17614-57547-1-ED.DOCX 2023-09-05
Author Version	17614-62895-1-ED.DOCX 2023-11-27 DELETE
Upload Author Version	<input type="button" value="Choose File"/> No file chosen <input type="button" value="Upload"/>

JTAM already indexing:



- Author Guidelines
- Publication Ethics
- Open Access Policy
- Peer Review Process
- Screening Plagiarism
- Online Submission
- Author Fees
- Indexing
- Contact Us
- Scopus Citation Analysis

USER

You are logged in as...
00111100
▶ My Journals
▶ My Profile
▶ Log Out

Send mes...



JTAM

Jurnal Teori dan Aplikasi Matematika
ISSN 2597-7512 (Print) ISSN 2614-1175 (Online)
Universitas Muhammadiyah Mataram
Website: <http://journal.ummat.ac.id/index.php/jtam/>



HOME ABOUT USER HOME SEARCH CURRENT ARCHIVES ANNOUNCEMENTS EDITORIAL TEAM FOCUS & SCOPE

Home > User > Author > Submissions > #17614 > Editing

#17614 Editing

SUMMARY REVIEW **EDITING**

Submission

Authors: Loso Judijanto, Jitu Halomoan Lumbantoruan
Title: Mental Comparison of Students Learning Abacus-Arithmetic and Not Learning Abacus-Arithmetic on Mathematics Material
Section: Articles
Editor: Dewil Pramita

Copyediting

COPYEDIT INSTRUCTIONS

REVIEW METADATA

REQUEST UNDERWAY COMPLETE

1.	Initial Copyedit	REQUEST	UNDERWAY	COMPLETE
	File: None	—	—	—

Sinta 2
1632 Citations

QUICK MENU

- Journal History
- Editorial Team
- Focus and Scope
- Author Guidelines
- Publication Ethics
- Open Access Policy
- Peer Review Process
- Screening Plagiarism
- Online Submission

Editor Dewi Pramita

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"/>	—	—	<input type="button" value=""/>
3. Final Copyedit File: None	—	—	—

Copyedit Comments

Layout

Galley Format	FILE	
1. DOWNLOAD [PDF] <input type="button" value="VIEW PROOF"/>	I7614-67146-1-PB.PDF	2024-01-19 0
Supplementary Files	FILE	None

Layout Comments

Proofreading

REVIEW METADATA	REQUEST	UNDERWAY	COMPLETE
-----------------	---------	----------	----------

- Author Guidelines
- Publication Ethics
- Open Access Policy
- Peer Review Process
- Screening Plagiarism
- Online Submission
- Author Fees
- Indexing
- Contact Us
- Scopus Citation Analysis

USER

You are logged in as...
00111100

- My Journals
- My Profile
- Log Out

Send mes...

Copyedit Comments No Comments

Layout

Galley Format	FILE
1. DOWNLOAD [PDF] VIEW PROOF	17614-67146-1-PB.PDF 2024-01-19 0
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](#)

JTAM already indexing:



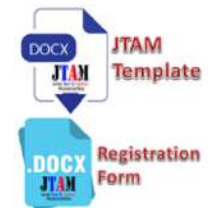
Scopus Citation Analysis

USER

You are logged in as...
00111100

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

DOWNLOAD DOCUMENT



GOOGLE SCHOLAR JTAM

Send mes...