

UAS KAPITA SELEKTA II | SIJALI 3 | HTML ke PDF Konverter | #17614 Summary | Konversi JPG ke PDF, Galeri

<https://journal.ummat.ac.id/index.php/jtam/author/submission/17614>



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/

DOAJ INDEX COPERNICUS INTERNATIONAL
EBSCO Dimensions
Sinta 52 Google Scholar

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

Send mes...

QUICK MENU

Journal History

Editorial Team

Focus and Scope

Author Guidelines

Publication Ethics

Open Access Policy

Peer Review Process

Screening Plagiarism

Online Submission

32°C Mendekati rekord 12:24 20/01/2024

UAS KAPITA SELEKTA II | SIJALI 3 | HTML ke PDF Konverter | #17614 Summary | Konversi JPG ke PDF, Gant

<https://journal.ummat.ac.id/index.php/jtam/author/submission/17614>

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 Judijanto
ORCID ID	http://orcid.org/0009-0007-7766-0647
Affiliation	IPOSS, Jakarta
Country	Indonesia
bio Statement	—
	Jitu Halomoan Lumbantoruan
	http://orcid.org/0000-0002-9109-7404
	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

32°C
Mendekati rekor

Search

12:25
20/01/2024

UAS KAPITA SELEKTA II | SIJALI 3 | HTML ke PDF Konverter | #17614 Summary | Konversi JPG ke PDF, Gai

<https://journal.ummat.ac.id/index.php/jtam/author/submission/17614>

You are logged in as...
00111100

▶ My Journals
▶ My Profile
▶ Log Out

DOWNLOAD DOCUMENT

.DOCX JTAM Template

.DOCX JTAM Registration Form

GOOGLE SCHOLAR JTAM

50%

Send mes...

Mathematics Students' Mentality; Learning Abacus-Arithmetic Ability.

32°C
Mendekati rekor

Search

12:25
20/01/2024

Authors

Name Loso Judijanto [ORCID](#)
ORCID ID <http://orcid.org/0009-0007-7766-0647>
Affiliation IPOSS, Jakarta
Country Indonesia
Bio Statement —

Name Jitu Halomoan Lumbantoruan [ORCID](#)
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.

Indexing

Keywords
Language

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

Supporting Agencies

Agencies
Universitas Kristen Indonesia and IPOS

References

- 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., Stegler, 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-Genceturk, 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>
- Dawney, 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.scijus.2022.12.006>
- Goffin, C., Sokolowski, H. M., Slipenkyj, 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., Alihara, 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., & Permadji, 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>

Send mes...

32°C
Mendekati rekori



503

TOOLS



PROOFREAD SERVICES



12:25
20/01/2024

UAS KAPITA SELEKTA II | SIJALI 3 | HTML ke PDF Konverter | #17614 Summary | Konversi JPG ke PDF, Galeri

<https://journal.ummat.ac.id/index.php/jtam/author/submission/17614>

Potensial, 3(1), 60–79. <https://doi.org/https://doi.org/10.33369/jjp.1.2.72-77>

Nurtanto, M., Pardjono, P., Wildarto, W., & Ramdani, S. D. (2020). The effect of STEM-EDP in professional learning on automotive engineering competencies in vocational high school. *Journal for the Education of Gifted Young Scientists*, 8(2), 633–649. <https://doi.org/10.17478/JEGYS.645047>

Pamungkas, M. D., Waluya, S. B., Mariani, S., & Isnarto. (2023). A Systematic Review of Complex Problem-Solving in Education and Mathematics Education. *Journal of Higher Education Theory and Practice*, 23(16), 87–101. <https://doi.org/10.33423/jhetp.v23i16.6465>

Peter Bryant, T. N. (2016). Learning and Teaching Mathematics. In *Jurnal Penelitian Pendidikan Guru Sekolah Dasar* (Vol. 6, Issue August). <https://doi.org/https://doi.org/10.4324/9781315784939>

Piñero Charlo, J. C., Noriega Bustelo, R., Canto López, M., del C., & Costado Dios, M. T. (2022). Influence of the Algorithmization Process on the Mathematical Competence: A Case Study of Trainee Teachers Assessing ABN- and CBC-Instructed Schoolchildren by Gamification. *Mathematics*, 10(16), 1-22. <https://doi.org/10.3390/math10163021>

Powell, S. R., Berry, K. A., & Benz, S. A. (2020). Analyzing the word-problem performance and strategies of students experiencing mathematics difficulty. *Journal of Mathematical Behavior*, 58(March 2019), 100759.1-16. <https://doi.org/10.1016/j.jmathb.2020.100759>

Rey, A., Maglio, R., & Rapone, V. (2020). Lobbying during IASB and FASB convergence due processes: Evidence from the IFRS 16 project on leases. *Journal of International Accounting, Auditing and Taxation*, 41(December 2020), 100348.1-55. <https://doi.org/10.1016/j.intacaudtax.2020.100348>

Rodríguez-Jiménez, C., de la Cruz-Campos, J. C., Campos-Soto, M. N., & Ramos-Navas-Parejo, M. (2023). Teaching and Learning Mathematics in Primary Education: The Role of ICT-A Systematic Review of the Literature. *Mathematics*, 11(2), 1-12. <https://doi.org/10.3390/math11020272>

Sakaria, D., Maat, S. M., & Mohd Matore, M. E. E. (2023). Examining the Optimal Choice of SEM Statistical Software Packages for Sustainable Mathematics Education: A Systematic Review. *Sustainability* (Switzerland), 15(4), 1-24. <https://doi.org/10.3390/su15043209>

Sakib, M. N., Zolfagharian, M., & Yazdanparast, A. (2020). Does parasocial interaction with weight loss vloggers affect compliance? The role of vlogger characteristics, consumer readiness, and health consciousness. *Journal of Retailing and Consumer Services*, 52(December 2017), 101733.1-11. <https://doi.org/10.1016/j.jretconser.2019.01.002>

Samarakoon, E. R. J., Waduge, R., Liu, Q., Shahidi, F., & Banoub, J. H. (2020). Impact of annealing on the hierarchical structure and physicochemical properties of waxy starches of different botanical origins. *Food Chemistry*, 303(August 2019), 125344.1-8. <https://doi.org/10.1016/j.foodchem.2019.125344>

Silinskas, G., Di Leonardo, S., Douglas, H., Xu, C., LeFevre, J. A., Garckija, R., Gabrialaviciute, I., & Raizene, S. (2020). Responsive home numeracy as children progress from kindergarten through Grade 1. *Early Childhood Research Quarterly*, 53(Quarter 2020), 484–495. <https://doi.org/10.1016/j.ecresq.2020.06.003>

Skamp, K. (2022). Research in Science Education (RISE): A Review (and Story) of Research in RISE Articles (1994–2018). *Research in Science Education*, 52(1), 205–237. <https://doi.org/10.1007/s11165-020-09934-w>

Suzaki, N., Yamaguchi, S., Hirose, N., Tanaka, R., Takahashi, Y., Imazato, S., & Hayashi, M. (2020). Evaluation of physical properties of fiber-reinforced composite resin. *Dental Materials*, 36(8), 987–996. <https://doi.org/10.1016/j.dental.2020.04.012>

Thu, H. L. T., Tran, T., Phuong, T. T. T., Tuyet, T. L. T., Huy, H., Le, & Thi, T. V. (2021). Two decades of stem education research in middle school: A bibliometrics analysis in scopus database (2000–2020). *Education Sciences*, 11(7), 1–15. <https://doi.org/10.3390/educsci11070353>

Print Barcode

9725971751146

Online Barcode

972614117009

VISITORS

JTAM Visitors

COUNTRY	VISITORS
ID	121,594
SG	12,192
US	5,899
PH	2,452
IN	1,262
TR	987
MY	927
GB	547
CN	492
AU	473
TH	407
PK	310
NG	267
CA	264
IR	248
ZA	228
JP	219
RU	186
VN	184
ES	6
LY	11
TT	10
AL	10
YE	10
EE	10
MZ	9
KW	9
BB	9
ZM	9
BT	9
CY	8
CM	8
BH	8
MM	8
MO	8
CD	8
RW	7
LS	6

32°C
Mendekati rekornya

Search

12:25
20/01/2024

UAS KAPITA SELEKTA II | SJALI 3 | HTML ke PDF: Konverter | #17614 Summary | Konversi JPG ke PDF, Gal

<https://journal.ummat.ac.id/index.php/jtam/author/submission/17614>

Multidisciplinary Research Journal, 11(2), 326–329. <https://doi.org/10.5958/2249-7137.2021.00358.x>

Wahyu, R., Putra, Y., Haenilah, E. Y., Hariri, 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 Nur Widiyanto , Puspa Indahati Sandhyaduhita *, Achmad Nizal Hidayanto and Qorib Mun. *Electronic Government, An International Journal*, 12(3), 256–278. <https://doi.org/https://doi.org/10.1504/EG.2016.078421>

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>

JTAM already indexing:

DOAJ, Sinta, EBSCO, Google, INDEX COPERNICUS, BASE, SCIENTIFIC INDEXING, GARUDA, Dimensions, MORAREF, ROAD, INDONESIA ONESEARCH, Crossref, WorldCat, PUBLONS, Scilit, COSMOS, E-ZB

Send mes...  

<https://journals.indexcopernicus.com/search/journal/issue?issueld=all&journalId=51506>

32°C Mendekati rekor 12:25 20/01/2024

UAS KAPITA SELEKTA II | SIJALI 3 | HTML ke PDF: Konverter | #17614 Review | Konversi JPG ke PDF, Galeri

<https://journal.ummat.ac.id/index.php/jtam/author/submissionReview/17614>

Jurnal Teori & Aplikasi Matematika

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

Sinta 2 Google Scholar

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

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

#17614 Review

SUMMARY **REVIEW** **EDITING**

Submission

Authors Loso Judijanto, Jitu Halomoan Lumbantoruan [\[edit\]](#)
Title Mental Comparison of Students Learning Abacus-Arithmetic and Not Learning Abacus-Arithmetic on Mathematics Material
Section Articles
Editor Dewi Pramita [\[edit\]](#)

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

Waiting for va.tawk.to... Account Submission 2023-11-23 Record 2023-11-23

32°C UV sangat tinggi

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

12:25 20/01/2024

UAS KAPITA SELEKTA II | SUALI 3 | HTML ke PDF: Konverter | #17614 Review | Konversi JPG ke PDF, Gal

<https://journal.ummat.ac.id/index.php/jtam/author/submissionReview/17614>

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](#)

No file chosen

JTAM already indexing:

DOAJ, SINTA, EBSCO, Google, INDEX COPERNICUS, BASE, RUDAWEB, Dimensions, MORAREF, ROAD, Indonesia OneSearch, Crossref, WorldCat, PUBLONS, Scilit, E-ZB, COSMOS

Send mes...

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

UV 32°C
UV sangat tinggi

32°C
UV sangat tinggi

12:25
20/01/2024

UAS KAPITA SELEKTA II | SIJALI 3 | HTML ke PDF: Konverter | #17614 Editing | Konversi JPG ke PDF, Gant

<https://journal.ummat.ac.id/index.php/jtam/author/submissionEditing/17614>



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/>

DOAJ INDEX COPERNICUS INTERNATIONAL
EBSCO Dimensions
Sinta 52 Google Scholar

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 Dewi Pramita

Copyediting

COPYEDIT INSTRUCTIONS

REVIEW METADATA

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

uv 32°C
UV sangat tinggi

Search   12:26 20/01/2024

QUICK MENU

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



UAS KAPITA SELEKTA II | SUALI 3 | HTML ke PDF: Konverter | #17614 Editing | Konversi JPG ke PDF, Gal

https://journal.ummat.ac.id/index.php/jtam/author/submissionEditing/17614

Editor Dewi Pramita

Copyediting

COPYEDIT INSTRUCTIONS

REVIEW METADATA

	REQUEST	UNDERWAY	COMPLETE
1. Initial Copyedit File: None	—	—	—
2. Author Copyedit File: None	—	—	[Upload]
3. Final Copyedit File: None	—	—	—

Choose File No file chosen Upload

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

Droofreading

Send mes... 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

DOWNLOAD DOCUMENT

32°C UV sangat tinggi

Search

12:26 20/01/2024

UAS KAPITA SELEKTA II | SIJALI 3 | HTML ke PDF: Konverter | #17614 Editing | Konversi JPG ke PDF, Gant

<https://journal.ummat.ac.id/index.php/jtam/author/submissionEditing/17614>

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:

DOAJ DIRECTORY OF OPEN ACCESS JOURNALS | Sinta | EBSCO | Google | INDEX COPERNICUS INTERNATIONAL | BASE | BIOMEDICAL CENTRAL | RUDA | Dimensions | MORAREF | ROAD | National OneSearch | Crossref | WorldCat | PUBLONS | Scilit | E-ZB | COSMOS

Send mes...

UV 32°C UV sangat tinggi

Search

12:26 20/01/2024

Scopus Citation Analysis

USER

You are logged in as... 00111100

► My Journals
► My Profile
► Log Out

DOWNLOAD DOCUMENT

DOCX JTAM Template

.DOCX JTAM Registration Form

GOOGLE SCHOLAR JTAM