

Kreano

Jurnal Matematika Kreatif-Inovatif

Volume 13(2), 2022

June

Visit the page:

<https://journal.unnes.ac.id/nju/index.php/kreano/issue/view/1560>

DOI Address:

<https://doi.org/10.15294/kreano.v13i2>

Topic of the volume:

The research on development of mathematics teaching media become interesting again

ISSN by PDII-LIPI,

p-ISSN. No. 2086-2334 (Print)

e-ISSN. No. 2442-4218 (Online)

Published by

Mathematics Department of UNNES

(UNNES JOURNAL as Online Publisher)

In collaboration with AMLI

2022

Kreano

Jurnal Matematika Kreatif-Inovatif

Editorial

Chief of Editor

Isnarto

Managing Editor

Rochmad

Masrukan

Iwan Junaedi

Ardhi Prabowo

Layout Editor

Kreano's Team

Section Editor

Hardi Suyitno, [Scopus Id: 57188993323] Universitas Ahmad Dahlan, Indonesia
Tri Sri Noor Asih, [Scopus ID: 56646482500] Universitas Negeri Semarang, Indonesia

Andi Dian Angriani, [Scopus ID: 57200988537] Universitas Islam Negeri Alauddin Makassar, Indonesia

Muhammad Duskri, [Scopus ID: 57204475174] Universitas Islam Negeri Ar-Raniry Banda Aceh, Indonesia

Tiur Malasari, [Scopus ID: 57208619307] Universitas Negeri Medan, Indonesia

Rohati, [SCOPUS ID: 57204473138] Universitas Jambi, Indonesia

Harsa Wara Prabawa, [SCOPUS ID: 57190939845] Universitas Pendidikan Indonesia, Indonesia

Rina Filia Sari, UIN Sumatera Utara Medan, Indonesia, Indonesia

Andhin Dyas Fitriani, Universitas Pendidikan Indonesia, Indonesia

Nila Mareta Murdiyani, Universitas Negeri Yogyakarta, Indonesia

Reviewer

Zainal Abidin (UIN Ar-Raniry, Indonesia)

Hermawan Syahputra (Universitas Negeri Medan, Indonesia)

Scolastika Mariani (Universitas Negeri Semarang, Indonesia)

Subanji (Universitas Negeri Malang, Indonesia)

Isti Hidayah (Universitas Negeri Semarang, Indonesia)

Adi Nur Cahyono (Universitas Negeri Semarang, Indonesia)

Wardono (Universitas Negeri Semarang, Indonesia)

Dwijanto (Universitas Negeri Semarang, Indonesia)

Mulyono (Universitas Negeri Semarang, Indonesia)

Isnaini Rosyida (Universitas Negeri Semarang, Indonesia)

Nuriana R.D.N. (Universitas Negeri Semarang, Indonesia)

Asdar Ahmad (Universitas Negeri Makasar, Indonesia)

Ali Mahmudi (Universitas Negeri Yogyakarta, Indonesia)

Budi Waluya (Universitas Negeri Semarang, Indonesia)

Nursalam (UIN Alaudin Makasar, Indonesia)

Kartono (Universitas Negeri Semarang, Indonesia)

Turmudi (Universitas Pendidikan Indonesia, Indonesia)

Zaenuri Mastur (Universitas Negeri Semarang, Indonesia)

Alimuddin (Universitas Negeri Makasar, Indonesia)

Izwita Dewi (Universitas Negeri Medan, Indonesia)

International Reviewer

Chin Kin Eng, Universiti Malaysia Sabah, Malaysia

Ayami Nakaya, Hiroshima University, Japan

Yoshiko Kitada, Saitama University, Japan

Jin Peng, Huanggang Normal University, China

Bill Atweh, Curtin University, Australia



Preface

Assalamu 'alaikum wr.wb.

Dear readers of the Jurnal Kreano,

Kreano, Jurnal Matematika Kreatif-Inovatif, Vol. 13 (2), June 2022 is here to greet loyal readers, academics who have a young spirit in serving, storing, criticizing, and providing solutions to every phenomenon that occurs in learning mathematics through steps the scientific.

After the pandemic, the trend of published research returned to pre-pandemic times. Researchers are busy developing various media used in learning mathematics. Mathematics learning media does have a very broad scope. Different topics can be different media. In fact, differences in location, region, and culture will differentiate the media used, even though the topics studied are the same. In addition, currently, the trend of augmented reality in mathematics learning is being encouraged again.

Research on media development is always interesting. Moreover, the mental condition of students after the pandemic is very different from before. Research on differentiated learning and student attitudes in the classroom is interesting to do in the future. Hopefully the Journal together with authors, researchers, and readers can be part of the process of improving the quality of education.

Happy reading!

Wassalamu 'alaikum wr.wb.

Semarang, December, 1st 2022
Chief of Editor

Isnarto, Dr.



Table of Content

Title	i
Editorial	iii
Preface	v
Table of Content	vii
16. DGS-Based Modules: Difficulty Aspects of Studying Geometry at University Level. Endang Istikomah, Dadang Juandi	186-198
17. Basic Mathematical Literacy Skills Ability by Van Hiele Project Based Learning Theory. Hadi Sumarto, Iwan Junaedi, Farid Ahmadi, Putut Marwoto, Woro Sumarni	199-209
18. Worked-Example Method on Mathematical Problem-Solving Ability in term of Students' Initial Ability. Cecep Anwar Hadi Firdos Santosa, Isna Rafianti, Dita Yulistiany	210-220
19. Development of Rainbow Mathematics Card in TGT Learning For Increasing Mathematics Communication Ability. Rahmad Sugianto, Yus Mochamad Cholily, Rani Darmayanti, Kamilia Rahmah, Niswatun Hasanah	221-233
20. E-Module Development of Linear Programs Based on Students' Conceptual Understanding. Fransiska Dwi Lestari, Ali Syahbana, Allen Marga Retta	234-245
21. Rigorous Mathematical Thinking: Conceptual Knowledge and Reasoning in the Case of Mathematical Proof. Siska Firmasari, Tatang Herman, Eris Fanny Firdaus	246-256
22. Student's Logical Reasoning Ability in Terms of Sequential Thinking Style. Andini Siwi Pamungkas, Masduki	257-268
23. The Students' Numerical Literacy Ability in Junior High Schools. Alimuddin Tampa, Saadah Layly, Helmi Helmi, Nurul Fadhila Alimuddin	269-282
24. Development of College Student Analytical Thinking Skills Through Evaluation Learning with Flip Book Assisted E-Books. Utin Desy Susiaty, Dwi Oktaviana, Muhamad Firdaus	283-295
25. Analysis of Senior High School Mathematics Teachers' Perception of The Application of STEM-Based Learning. Fitri Aida Sari, Dadang Juandi	296-307
26. Analysis Of Student Learning Independence On Blended Learning Model. Ahmad Fadillah, Dian Nopitasari, Westi Bilda, Siti Asriah Immawati, Sigit Raharjo	308-318
27. The Connection between Algebraic Ability and Self-Efficacy in Senior High School Student. Pipit Firmanti, Reflina	319-327
28. The Use of Jarimatika and Abacus Learning Media on Students' Counting Skills. Hanifah Nursiska Murti, Arief Cahyo Utomo	328-338
29. E-Module Interactive of Minimum Competency Assessment: Development and Understanding for Mathematics Teachers. Hepsi Nindiasari, Abdul Fatah, Sukirwan, Madadina	339-353
30. Cognitive Flexibility of Students in Solving Mathematical Problems: A Phenomenology Study. Rama Nida Siregar, Didi Suryadi, Sufyani Prabawanto, Abdul Mujib	355-369
Author Index	xi
Manuscript Template	xiii
Subscription Page	xvii