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Implementation of Discovery Learning Assisted by Canva Interactive Media to Enhance Mathematical Literacy and Learning Motivation Based on Students' Residential Status

ABSTRAK

Penelitian ini bertujuan untuk menganalisis implementasi model *Discovery Learning* berbantuan media interaktif Canva dalam meningkatkan kemampuan literasi matematis dan motivasi belajar siswa ditinjau dari status tempat tinggal, yaitu Salafiyah dan Non Salafiyah. Penelitian dilaksanakan melalui tahapan *Stimulation, Problem Statement, Data Collection, Data Processing, Verification,* dan *Generalization* yang memberikan kesempatan kepada siswa untuk memahami permasalahan, mengeksplorasi informasi, menemukan konsep, memverifikasi hasil, dan menarik kesimpulan. Hasil penelitian menunjukkan bahwa implementasi *Discovery Learning* berbantuan Canva berlangsung secara aktif dan berpusat pada siswa. Faktor pendukung meliputi penyajian media yang visual, menarik, dan kontekstual, keterlibatan siswa, kerja kelompok, serta peran guru sebagai fasilitator. Adapun faktor penghambat meliputi keterbatasan jaringan internet, kesulitan penggunaan media, perbedaan kemampuan dan partisipasi siswa, serta keterbatasan waktu. Secara deskriptif, rata-rata kemampuan literasi matematis siswa pada kelompok *Discovery Learning* berbantuan Canva, lebih tinggi dibandingkan pembelajaran konvensional. Namun, hasil pengujian menunjukkan tidak terdapat perbedaan kemampuan literasi matematis yang signifikan antara kedua model pembelajaran. Selain itu, tidak terdapat perbedaan signifikan kemampuan literasi matematis berdasarkan status tempat tinggal serta tidak terdapat interaksi antara model pembelajaran dan status tempat tinggal. Pada aspek motivasi belajar, tidak terdapat perbedaan signifikan antara kelompok *Discovery Learning* berbantuan Canva dan pembelajaran konvensional, baik pada siswa Salafiyah maupun Non Salafiyah. Dengan demikian, *Discovery Learning* berbantuan media interaktif Canva memberikan kecenderungan hasil literasi matematis yang lebih baik secara deskriptif, tetapi belum menunjukkan keunggulan yang signifikan secara statistik.

Kata kunci: *Discovery Learning*, media interaktif Canva, literasi matematis, motivasi belajar, status tempat tinggal.

ABSTRACT

This study aims to analyze the implementation of the Discovery Learning model supported by Canva interactive media in enhancing students' mathematical literacy and learning motivation, considering their residential status (Salafiyah vs. Non-Salafiyah). The research followed the stages of Stimulation, Problem Statement, Data Collection, Data Processing, Verification, and Generalization, providing students with opportunities to understand problems, explore information, discover concepts, verify results, and draw conclusions. The results indicate that the implementation of Canva-assisted Discovery Learning was active and student-centered. Supporting factors included the use of visual, engaging, and contextual media, student engagement, group work, and the teacher's role as a facilitator. Conversely, inhibiting factors included limited internet connectivity, difficulties in using the media, disparities in student ability and participation, and time constraints. Descriptively, the average mathematical literacy of students in the Canva-assisted Discovery Learning group was higher than that of the conventional learning group. However, statistical testing revealed no significant difference in

mathematical literacy between the two learning models. Furthermore, there was no significant difference in mathematical literacy based on residential status, nor was there an interaction between the learning model and residential status. Regarding learning motivation, no significant difference was found between the Canva-assisted Discovery Learning group and the conventional learning group, for either Salafiyah or Non-Salafiyah students. Thus, while Canva-assisted Discovery Learning tended to yield better mathematical literacy results descriptively, it did not demonstrate a statistically significant advantage.
Keywords: Discovery Learning, Canva interactive media, mathematical literacy, learning motivation, residential status.

ABSTRAK

Panalungtikan ieu boga tujuan pikeun nganalisis palaksanaan modél Discovery Learning anu dibarengan ku média interaktif Canva dina ningkatkeun literasi matematika jeung motivasi diajar siswa, kalayan nimbangkeun status tempat cicingna (Salafiyah vs. Non-Salafiyah). Panalungtikan ieu ngawengku tahapan stimulasi, rumusan masalah, pangumpulan data, pangolahan data, verifikasi, jeung generalisasi, anu méré kasempetan ka siswa pikeun maham masalah, ngajalajah informasi, manggihan konsép, ngabuktikeun hasil, sarta nyieun kacindekan. Hasilna némbongkeun yén palaksanaan Discovery Learning nu dibantu ku Canva téh lumangsung sacara aktif sarta museur kana siswa (student-centered). Faktor nu ngarojong di antarana nyaéta pamakéan média visual nu narik ati tur kontekstual, partisipasi aktif siswa, gawé babarengan dina kelompok, sarta peran guru salaku fasilitator. Sabalikna, faktor nu ngahambat di antarana nyaéta kawatesanan sambungan internét, kasusah dina ngagunakeun média, béda-bédana kamampuh jeung partisipasi siswa, sarta kawatesanan waktu. Sacara déskriptif, rata-rata literasi matematika siswa dina kelompok Discovery Learning nu dibantu ku Canva leuwih luhur batan kelompok nu diajar maké métode konvénsional. Nanging, tés statistik némbongkeun yén euweuh bédana nu signifikan dina literasi matematika antara dua modél diajar éta. Salian ti éta, euweuh bédana nu signifikan dina literasi matematika dumasar kana status tempat cicing, sarta euweuh interaksi antara modél diajar jeung status tempat cicing. Ngeunaan motivasi diajar, teu kapanggih ayana bédana nu signifikan antara kelompok Discovery Learning nu dibantu ku Canva jeung kelompok diajar konvénsional, boh pikeun siswa Salafiyah boh Non-Salafiyah. Ku kituna, sanajan Discovery Learning nu dibantu ku Canva condong ngahasilkeun literasi matematika nu leuwih hadé sacara déskriptif, métode ieu henteu némbongkeun kaunggulan nu signifikan sacara statistik.
Kecap konci: Discovery Learning, média interaktif Canva, literasi matematika, motivasi diajar, status tempat cicing.

INTRODUCTION

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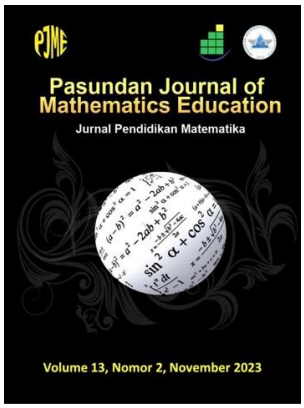

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