ABSTRAK

Mulki Sholahudin Al Ayubi, 1212050113 (2025). "penerapan strategi multiple representation berbantuan flip HTML 5 untuk meningkatkan kemampuan representasi matematis peserta didik"

Kemampuan representasi matematis merupakan salah satu kemampuan yang perlu dimiliki oleh setiap peserta didik dalam memahami mata pelajaran matematika. Namun, peneliti seringkali melihat beberapa peserta didik yang kemampuan representasi matematis nya perlu ditingkatkan.. Metode yang digunakan pada penelitian ini adalah kuasi eksperimen dengan desain penelitian nonequivalent kontrol group design. Penelitian ini dilakukan di kelas VII A dan B SMP Mekar arum . hasil penelitian menunjukkan bahwa penerapan strategi *multiple representation* berbantuan flip HTML 5 dilaksanakan dengan sangat baik. Peningkatan kemampuan representasi matematis peserta didik yang menggunakan strategi multiple representation berbantuan flip HTML 5 lebih baik dibanding peserta didik yang menggunakan pembelajaran konvensional. pencapaian kemampuan representasi matematis peserta didik yang menggunakan strategi multiple representation berbantuan flip HTML 5 lebih baik dibanding peserta didik yang menggunakan pembelajaran konvensional. Dan respons peserta didik terhadap strategi multiple representation berbantuan flip HTML 5 positif.

Kata kunci : kemampuan representasi matematis, strategi multiple representation berbantuan flip HTML 5 , dan respons.

Abstract

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Abstract : Mathematical representation ability is one of the essential skills that every student needs to possess in order to understand mathematics. However, researchers often observe that some students need improvement in this skill.This study employs a quasi-experimental method with a nonequivalent control group design. The research was conducted in classes VII A and B at SMP Mekar Arum. The results showed that the implementation of the multiple representation strategy assisted by Flip HTML5 was carried out very well. The improvement in students' mathematical representation ability using this strategy was better than that of students who received conventional instruction. The achievement of mathematical representation ability was also higher in students who used the multiple representation strategy assisted by Flip HTML5 compared to those who received conventional instruction. Furthermore, students' responses to the strategy were positive.

Keywords : Representation Ablitty; multiple representation with Flip HTML 5; Respons