

ABSTRAK

Nanda Nasiya Siregar, NIM 4183111048 (2018). Pengembangan Bahan Ajar Interaktif Berbasis Pendidikan Matematika Realistik Pada Materi Sistem Koordinat di Kelas VIII SMP IT Darul Hasan Padangsidimpuan.

Tujuan penelitian ini adalah untuk : (1) Mengetahui validitas (kebenaran) bahan ajar interaktif berbasis pendidikan matematika realistik pada materi sistem koordinat, (2) Mengetahui kepraktisan bahan ajar interaktif berbasis pendidikan matematika realistik pada materi sistem koordinat. Jenis penelitian ini adalah Research and Development yang mengacu pada model Hannafin dan Peck. Subjek penelitian ini adalah 1 orang pendidik dan 32 siswa kelas VIII di SMP IT Darul Hasan Padangsidimpuan, dan perangkat penelitian meliputi lembar validasi materi, lembar validasi RPP dan media bahan ajar interaktif, serta angket respon dari pendidik dan siswa. Dilihat dari hasil kajian yang telah dilakukan menunjukkan bahwa : (1) Bahan ajar interaktif yang dikembangkan pada sistem koordinat berbasis pendidikan matematika realistik telah sesuai dan memenuhi kriteria validitas berdasarkan evaluasi verifikator, dengan kategori sangat layak dengan nilai validitas materi sebesar 4,57 dan nilai validitas media sebesar 4,52 dengan kategori sangat layak. (2) Bahan ajar interaktif berbasis pendidikan matematika realistik pada sistem koordinat memenuhi standar kepraktisan dengan cara sebagai berikut: (a) hasil survei angket guru pada bahan ajar interaktif menunjukkan kategori sangat praktis dengan nilai kepraktisan sebesar 4,61. (b) hasil survei angket respon siswa pada bahan ajar interaktif menunjukkan kategori praktis dengan nilai kepraktisan sebesar 3,79.

Kata Kunci: Bahan Ajar Interaktif, Validitas, Praktikalitas, Pendidikan Matematika Realistik.



ABSTRACT

Nanda Nasiya Siregar, NIM 4183111048 (2018). Development of Interactive Teaching Materials Based on Realistic Mathematics Education on Coordinate System Materials in Class VIII SMP IT Darul Hasan Padangsidempuan.

The aims of this study were to: (1) Determine the validity (truth) of interactive teaching materials based on realistic mathematics education on the coordinate system material, (2) Determine the practicality of interactive teaching materials based on realistic mathematics education on the coordinate system material. This type of research is Research and Development which refers to the model of Hannafin and Peck. The subjects of this study were 1 educator and 32 class VIII students at SMP IT Darul Hasan Padangsidempuan, and the research tools included material validation sheets, RPP validation sheets and interactive teaching materials media, as well as questionnaire responses from educators and students. Judging from the results of the studies that have been carried out, it shows that: (1) The interactive teaching materials developed in the coordinate system based on realistic mathematics education are appropriate and meet the validity criteria based on the evaluation of the verifier, with a very feasible category with a material validity value of 4.57 and a validity value. media amounted to 4.52 with a very decent category. (2) The interactive teaching materials based on realistic mathematics education in the coordinate system meet the practicality standards in the following ways: (a) the results of the teacher questionnaire survey on interactive teaching materials show a very practical category with a practicality value of 4.61. (b) the results of the questionnaire survey of student responses to interactive teaching materials show the practical category with a practicality value of 3.79.

Keywords: Interactive Teaching Materials, Validity, Practicality, Realistic Mathematics Education.