

ABSTRACT

This study aims to produce learning media based on blogs with the context of covers on lines and angles material using the PMRI approach which is valid, practical and has a potential effect on the ability to understand mathematical concepts in class VII students of SMP LTI IGM Palembang. The research method used is the development research method using the Tessmer flow (1993) which consists of the preliminary stage (preparation and design stages) and the formative evaluation stage, namely self-evaluation, expert review, one-to-one, small group and field tests). Data collection was carried out using validation sheets, questionnaires, interviews and tests. From the results of the study it was concluded that the blog-based mathematics learning media developed was qualitatively valid in terms of comments and suggestions from the validator, besides that quantitatively the percentage of validity was 4.129 and practically both qualitatively and quantitatively by looking at the comments and suggestions it was stated that blog-based learning media was practically used and the result of the analysis of the practical average of the questionnaire calculation is 76.263. Then the results of a high potential effect on students' conceptual understanding abilities with an average of 82.033.

Keywords: *Learning Media, Blog-Based, Lines and Angles, Sarong Context*

ABSTRAK

Penelitian ini bertujuan untuk menghasilkan media pembelajaran berbasis blog dengan konteks sarung pada materi garis dan sudut menggunakan pendekatan PMRI yang valid, praktis dan mempunyai efek potensial terhadap kemampuan pemahaman konsep matematis peserta didik kelas VII SMP LTI IGM Palembang. Adapun metode penelitian yang digunakan adalah metode penelitian pengembangan menggunakan alur Tessmer (1993) yang terdiri dari tahap *preliminary* (tahap persiapan dan pendesainan) dan tahap *formative evaluation* yaitu *self-evaluation, expert review, one-to-one, small group* dan *field test*). Dalam pengumpulan data dilakukan menggunakan lembar validasi, lembar angket, wawancara, dan tes. Dari hasil penelitian diperoleh kesimpulan bahwa media pembelajaran matematika berbasis blog yang dikembangkan valid secara kualitatif dilihat dari komentar dan saran dari validator, selain itu secara kuantitatif kevalidan sebesar dan praktis secara kualitatif maupun kuantitatif dengan melihat komentar dan saran dinyatakan media pembelajaran berbasis blog praktis digunakan dan hasil analisis perhitungan angket rata-rata praktis sebesar 76,263. Kemudian hasil efek potensial tinggi terhadap kemampuan pemahaman konsep peserta didik dengan rata-rata sebesar 82,033.

Kata kunci: Media Pembelajaran, Berbasis Blog, Garis dan Sudut, Konteks Sarung