

ABSTRAK

Trigonometry ratio is a subject matter that uses a lot of concepts that will continue to develop and is not rote material so that if students have not mastered the concept of the previous material, it is feared that they will experience difficulties in the next material. In fact, most students have difficulty understanding the concept of trigonometric ratios. This research is a development research by going through the Preliminary stage and the Prototyping stage using the Formative Evaluation flow which aims to produce Student Worksheets based on Contextual Teaching and Learning on the subject of Trigonometric Ratios at MAN 1 Palembang. Data collection and data analysis techniques used are Walkthrough, questionnaire, interview and documentation. The subjects of this study were students of class X MIA 1 at MAN 1 Palembang, totaling 32 students. From the results of the study, it was concluded that the CTL-based Student Worksheet developed by the researcher was categorized as valid in terms of content, construct and language as seen from the comments of 4 validators on the Walkthrough sheet, and also the CTL-based student worksheet was also categorized. Practical in terms of efficiency, convenience, and also interesting seen from the comments of students on questionnaires and interviews at the one-to-one, small group, and field test stages.

Keywords: *Development, Contextual Teaching and Learning, LKPD*

ABSTRAK

Rasio trigonometri merupakan materi pokok yang banyak menggunakan konsep yang akan terus berkembang dan bukan materi hafalan sehingga apabila peserta didik belum menguasai konsep materi sebelumnya maka dikhawatirkan akan mengalami kesulitan dalam materi selanjutnya. Pada kenyataan juga, kebanyakan peserta didik mengalami kesulitan dalam memahami konsep rasio trigonometri. Penelitian ini merupakan penelitian Pengembangan dengan melalui tahap *Preliminary* dan tahap *Prototyping* menggunakan alur *Formative Evaluation* yang bertujuan untuk menghasilkan Lembar Kerja Peserta Didik berbasis *Contextual Teaching and Learning* pada pokok bahasan Rasio Trigonometri di MAN 1 Palembang. Teknik Pengumpulan data dan Analisis Data yang digunakan adalah Walkthrough, angket, wawancara dan dokumentasi. Subjek penelitian ini adalah siswa kelas X IPA 1 di MAN 1 Palembang yang berjumlah 32 Peserta didik. Dari hasil penelitian diperoleh kesimpulan Lembar Kerja Peserta Didik berbasis CTL yang dikembangkan oleh peneliti dikategorikan valid dari segi *content*, kontruk dan bahasa yang dilihat dari komentar 4 validator pada lembar *Walkthrough*, dan juga lembar kerja peserta didik berbasis CTL juga dikategorikan Praktis dari segi efisien, kemudahan, dan juga menarik dilihat dari komentar peserta didik pada lembar angket dan wawancara pada tahap *one-to-one*, *small group*, dan *field test*.

Kata Kunci: Pengembangan, *Contextual Teaching and Learnin*, LKPD