

## ABSTRAK

### **PENGEMBANGAN UNIT KEGIATAN BELAJAR MANDIRI BERBASIS MODEL PEMBELAJARAN ALQURUN DENGAN *REVIEW* UNTUK MENINGKATKAN KEMAMPUAN KOMUNIKASI MATEMATIS DAN *SELF-REGULATED LEARNING* PESERTA DIDIK**

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Penelitian ini bertujuan untuk mendeskripsikan proses dan produk pengembangan bahan ajar UKBM berbasis ATM dengan *review* untuk meningkatkan kemampuan komunikasi matematis dan *self regulated learning* peserta didik serta menguji keefektifan produk yang dikembangkan. Penelitian dan pengembangan mengacu kepada langkah-langkah model pengembangan Dick & Carey. Penelitian dilakukan di SMA Negeri 1 Pringsewu kelas XII MIPA Semester genap tahun pelajaran 2021/2022. Rancangan penelitian yang digunakan dalam ujicoba produk penelitian adalah *One-Group Pretest-Posttes Design*. Instrumen yang digunakan untuk memperoleh data meliputi pedoman wawancara, lembar observasi, lembar angket dan tes. Analisis yang digunakan adalah analisis dekriptif dengan membuat analisis ketuntasan, analisis peningkatan *self regulated learning* dan kemampuan komunikasi matematis. Hasil penelitian menunjukkan bahwa bahan ajar UKBM berbasis ATM dengan *review* untuk meningkatkan kemampuan komunikasi matematis dan *self regulated learning* peserta didik layak berdasarkan hasil penilaian validator, dan pembelajaran menggunakan produk hasil pengembangan efektif meningkatkan kemampuan komunikasi matematis dan *self regulated learning* peserta didik serta produk dinilai sangat menarik berdasarkan penilaian guru dan tanggapan peserta didik.

Kata Kunci: UKBM, ATM dengan *Review*, Kemampuan Komunikasi Matematis, *Self-Regulated Learning*.

## **ABSTRACT**

### **DEVELOPMENT OF SELF-STUDY ACTIVITIES UNITS BASED ON THE AL-QURUN LEARNING MODEL WITH REVIEWS TO IMPROVE MATHEMATIC COMMUNICATION ABILITY AND SELF-REGULATED LEARNING OF STUDENTS**

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This study aims to describe the process and product development of ATM-based UKBM teaching materials with a review to improve students' mathematical communication skills and self-regulated learning and test the effectiveness of the products developed. Research and development refers to the steps of the Dick & Carey development model. The research was conducted at SMA Negeri 1 Pringsewu class XII MIPA in the even semester of the 2021/2022 academic year. The research design used in the research product trial was the One-Group Pretest-Posttest Design. The instruments used to obtain data include interview guidelines, observation sheets, questionnaires and tests. The analysis used is descriptive analysis by making analysis of completeness, analysis of increasing self-regulated learning and mathematical communication skills. The results showed that the ATM-based UKBM teaching materials with a review to improve students' mathematical communication skills and self-regulated learning were feasible based on the results of the validator's assessment, and learning using development products was effective in improving students' mathematical communication skills and self-regulated learning and the product was considered very interesting. based on teacher assessment and student responses.

**Keywords:** UKBM, ATM with Reviews, Mathematical Communication Ability, Self-Regulated Learning.