

ABSTRAK

MUHAMMAD AKHYAR. Pengembangan Perangkat Pembelajaran Berdasarkan PBM Berbasis Budaya Aceh dalam Meningkatkan Kemampuan Pemahaman Konsep dan *Self Efficacy* Siswa MTsS Ulumuddin. Tesis. Medan Program Studi Pendidikan Matematika Pascasarjana Universitas Negeri Medan. 2017.

Penelitian ini bertujuan untuk menganalisis: 1) Validitas perangkat PBM-BBA yang dikembangkan; 2) Kepraktisan Perangkat PBM-BBA yang dikembangkan; 3) Efektivitas perangkat PBM-BBA yang dikembangkan; 4) Peningkatan kemampuan pemahaman konsep siswa MTsS Ulumuddin dengan menggunakan perangkat PBM-BBA yang dikembangkan; 5) Peningkatan *self efficacy* siswa MTsS Ulumuddin dengan menggunakan perangkat PBM-BBA yang dikembangkan; 6) Jenis kesalahan penyelesaian jawaban siswa dalam menyelesaikan soal kemampuan pemahaman konsep. Penelitian ini merupakan penelitian pengembangan. Penelitian ini dilakukan melalui dua tahap, yakni tahap pertama pengembangan perangkat pembelajaran berbasis masalah menggunakan model pengembangan *Four-D*, dan tahap kedua mengujicobakan perangkat pembelajaran berbasis masalah yang dikembangkan di kelas VIII-1 dan kelas VIII-2 MTsS Ulumuddin. Dari hasil uji coba I dan uji coba II diperoleh: 1) Perangkat PBM-BBA yang dikembangkan valid dengan rata-rata total validitas RPP = 4,6, buku siswa = 4,5, LAS = 4,6; 2) Perangkat PBM-BBA yang dikembangkan praktis, ditinjau dari: a) penilaian ahli/praktisi perangkat pembelajaran yang dikembangkan tersebut dinyatakan dapat diterapkan; b) hasil pengamatan keterlaksanaan perangkat pembelajaran telah memenuhi kategori sangat tinggi dan lembar observasi keterlaksanaan perangkat pembelajaran telah dapat dikatakan baik; 3) Perangkat PBM-BBA yang dikembangkan efektif, ditinjau dari a) ketuntasan belajar siswa secara klasikal; b) ketercapaian tujuan pembelajaran; dan c) Waktu pembelajaran; 4) Peningkatan pemahaman konsep siswa dengan menggunakan perangkat pembelajaran berdasarkan PBM berbasis budaya Aceh yang dikembangkan; 5) Peningkatan *self efficacy* siswa dengan menggunakan perangkat PBM-BBA yang dikembangkan; 6) Terdapat 5 jenis kesalahan yang sering dilakukan siswa.

Kata kunci: Pengembangan Perangkat Pembelajaran, Model *4-D*, PBM-BBA, Kemampuan Pemahaman Konsep, *Self Efficacy* Siswa.

ABSTRACT

MUHAMMAD AKHYAR. The Development of PBM Based Instruction Based of Aceh Cultural Device to Increase Concept Understanding Ability and *Self-Efficacy* of Junior high School students at MTsS Ulumuiddin. Thesis. Medan. Mathematics Education Study Program Postgraduate State University of Medan. 2017.

This purposes of this research to describe: 1) The validity of teaching device based of Aceh Cultural PBM-BBA which is developed 2) The benefit of using PBM-BBA which is developed. 3) The effective of using PBM-BBA device which is developed. 4) Increase students' concept of MTsS Ulumuiddin by using PBM-BBA which is developed. 5) Increase students' *self efficacy* of MTsS Ulumuiddin using PBM-BBA which is developed. 6) The analysis students' using errorin answering the concept understanding question. This research is development research. This research was conducted in two stages, the first stage is the development of problem based learning devices with the reference four-D model, and the second stage is to try-out the problem based instruction devices which is developed in VIII-1 and VIII-2 students at MTsS Ulumuiddin. Based on the result of trial I and II found that: 1) PBM- BAC device developed valid with an average total validity RPP = 4,6, student book = 4,5, LAS = 4,6. 2) PBM-BAC device developed is effective, it can be seen: a) a real assessment of teaching material which is developed can be used in teaching learning. b) The result of using this teaching device an observation of teaching materials are good acceptable. 3) PBM-BBA teaching device which is developed is effective, it be seen; a) classical students learning, b) achievement of learning goal, c) learning time. 4) Development of student learning concept which is used learning device based Aceh cultural PBM-BBA device which is developed. 5) Development of students' *self efficacy* based PBM-BBA which is developed. 6) There are five errors which is usually done by students.

Keywords: Development of Learning Devices, *4-D* Development Model, PBM-BAC, Concept Understanding Ability, Students' *Self Efficacy*.