ABSTRAK

IKA MAULIDA THAMIMI (2015). Pengembangan Modul untuk Meningkatkan Kemampuan Berpikir Kreatif Matematis Siswa Kelas VII SMP Negeri 15 Medan Melalui Model Pembelajaran Berbasis Masalah Menggunakan Autograph. Tesis. Medan. 2015. Program Studi Pendidikan Matematika Pascasarjana Universitas Negeri Medan.

Tujuan penelitian ini adalah untuk: (1) Mengetahui efektivitas (valid, praktis, efektif) modul yang dikembangkan untuk meningkatkan kemampuan berpikir kreatif matematis siswa melalui model pembelajaran berbasis masalah menggunakan Autograph, dan (2) Mengetahui peningkatan kemampuan berpikir kreatif matematis siswa terhadap modul yang dikembangkan melalui model pembelajaran berbasis masalah menggunakan Autograph.

Penelitian ini adalah penelitian pengembangan. Perangkat pembelajaran yang dikembangkan adalah Modul Siswa (MS), Rencana Pelaksanaan Pembelajaran (RPP), Buku Panduan Guru (BPG), dan Tes Kemampuan Berpikir Kreatif Matematis Siswa (TKBKMS). Modul dan perangkat pembelajaran lainnya ini dikembangkan menggunakan modifikasi model 3-D Thiagarajan, dkk. Proses pengembangan tersebut terdiri atas tiga tahap, yaitu: pendefinisian, perancangan dan pengembangan. Data penelitian dianalisis secara deskriptif.

Modul dan perangkat pembelajaran lainnya dikatakan baik jika setelah divalidasi dan ujicoba, memenuhi syarat-syarat yang telah ditetapkan yakni kriteria kevalidan para ahli termasuk kategori sangat valid, kriteria kepraktisan yang ditinjau dari kemampuan guru mengelola pembelajaran minimal cukup baik, respon siswa terhadap pembelajaran positif dengan kategoti baik, serta kriteria keefektifan ditinjau dari hasil belajar siswa memperoleh 80% bahwa siswa tuntas secara klasikal.

Kata Kunci: Pengembangan Modul, Kemampuan Berpikir Kreatif Matematis Siswa, Model Pembelajaran Berbasis Masalah, Autograph.

ABSTRACT

IKA MAULIDA THAMIMI (2015). The Development of Modules to Improved of Mathematical Student's Creative Thinking Ability at VII Grade SMP Country 15 Medan Through Problem Based Learning Model Using Autographs. Thesis. Medan. 2015. Study Program: Mathematics Education of Postgraduate of State University of Medan.

The aim of this research are: (1) to find out the effectiveness (valid, practical, effective) developed of modules to improved of mathematical student's creative thinking ability through problem based learning model using autographs, and (2) to find out the improving of mathematical student's creative thinking ability toward of the developed modules through problem based learning model using autographs.

This research is the developmental research. The learning instruments developed are student module (MS), the implementation plan (RPP), teacher guide books (BPG) and test of mathematical student's creative thinking ability (TKBKMS). Modules and other learning instruments that were developed using a modified 3-D Thiagarajan et al,. The development process consists of three steps: defining, designing and development. Data were analyzed descriptively.

Modules and other learning instruments said to be good if after being validated and trials, which have qualify the criteria validity criteria of experts including a valid category, practicality criteria in terms of the ability of teachers to manage the learning of at least good enough, student responses to positive learning with good category, as well as the criteria of effectiveness in terms of learning outcomes students acquire 80% of students completed the classical style.

Keywords: Development of Modules, Mathematical Student's Creative Thinking Ability, Problem Based Learning Model, Autographs.