

ABSTRACT

THE DEVELOPMENT OF GUIDED DISCOVERY LEARNING MODEL TO INCREASE MATHEMATICAL CRITICAL THINKING ABILITY AND STUDENTS SELF EFFICACY (Study on Students Class X Odd Semester SMAN 7 Bandar Lampung School Year 2016/2017)

By

Eka Yulia Asri

This research and development aimed to develop guided discovery learning model and find out it's effectiveness towards mathematical critical thinking ability and students self efficacy. The stages of development were started from preparation phase, design product, design validation, individual test, small group test, and field test. The subject of this research was students of tenth grade at SMAN 7 Bandar Lampung. The data of this research were obtained by mathematical critical thinking ability test and self efficacy scale. The preparation showed that it was need to developed guided discovery learning. Based on the result in this research, the design validation was in excellent category, individual test was in good category, and small group test was in excellent category. The result of field test showed that increasing of mathematical critical thinking ability and students self efficacy after taught by guided discovery learning was quite effective category. From this research, it be known that social intelligence effect on intellectual ability and students not only need the guidance of a teacher but also a peer tutor.

Keywords: *guided discovery, mathematical critical thinking, self efficacy*

ABSTRAK

**PENGEMBANGAN MODEL PEMBELAJARAN PENEMUAN
TERBIMBING UNTUK MENINGKATKAN KEMAMPUAN
BERPIKIR KRITIS MATEMATIS DAN
SELF EFFICACY SISWA
(Studi pada Siswa Kelas X Semester Ganjil SMAN 7
Bandar Lampung Tahun Pelajaran 2016/2017)**

Oleh

Eka Yulia Asri

Penelitian dan pengembangan ini bertujuan untuk mengembangkan model pembelajaran penemuan terbimbing dan menguji efektivitasnya terhadap kemampuan berpikir kritis matematis dan *self efficacy* siswa. Tahapan pengembangan ini dimulai dari tahap persiapan, desain produk, validasi desain, uji coba perorangan, uji coba kelompok kecil, dan uji lapangan. Subjek penelitian ini adalah siswa kelas X SMAN 7 Bandar Lampung. Data penelitian diperoleh melalui tes kemampuan berpikir kritis matematis dan skala *self efficacy*. Tahap persiapan menunjukkan kebutuhan dikembangkannya pembelajaran penemuan terbimbing. Berdasarkan hasil penelitian, validasi desain termasuk dalam kategori sangat baik, uji coba perorangan termasuk dalam kategori baik, dan uji coba kelompok kecil termasuk dalam kategori sangat baik. Hasil uji lapangan menunjukkan bahwa peningkatan kemampuan berpikir kritis matematis dan *self efficacy* siswa setelah diberikan pembelajaran penemuan terbimbing termasuk dalam kategori cukup efektif. Dari penelitian ini dapat diketahui bahwa kecerdasan sosial berpengaruh pada kemampuan intelektual dan siswa tidak hanya membutuhkan bimbingan guru tetapi juga tutor sebaya.

Kata kunci: penemuan terbimbing, berpikir kritis matematis, *self efficacy*