

Mohammad Fachruddin. 2017. *Efektivitas Model Pembelajaran PBI (Problem Based Instruction) dengan Pendekatan Etnosains Untuk Melatih Keterampilan Berpikir Kritis Siswa*. Skripsi, Program Studi Pendidikan IPA, Fakultas Ilmu Pendidikan, Universitas Trunojoyo Madura. Pembimbing I: Laila Khamsatul Muharrami, S.Si., M.Si. Pembimbing II: Irsad Rosidi, S.Pd., M.Pd.

ABSTRAK

Penelitian ini bertujuan untuk mengetahui pengaruh model pembelajaran PBI (*Problem Based Instruction*) dengan pendekatan *Etnosains* untuk melatih keterampilan berpikir kritis siswa. Penelitian menggunakan metode *quasi eksperimental design* dan dilaksanakan di SMP N 1 Socah Bangkalan. Teknik pengambilan sampel menggunakan *purposive sampling*. Berdasarkan hasil penelitian diperoleh data sebagai berikut: 1) hasil nilai uji hipotesis sebesar -3,960 untuk Z_{hitung} dan Z_{tabel} sebesar -0,563 yang menunjukkan $Z_{tabel} > Z_{hitung}$ yang berarti H_0 ditolak dan H_1 diterima, sehingga dapat diartikan bahwa terdapat pengaruh model pembelajaran PBI (*Problem Based Instruction*) dengan pendekatan *Etnosains* terhadap keterampilan berpikir kritis siswa, 2) hasil nilai rata-rata keterlaksanaan pembelajaran sebesar 81,5% yang tergolong sangat baik, 3) hasil nilai rata-rata respon siswa sebesar 79,4% yang tergolong baik, 4) hambatan pembelajaran tergolong baik dan lancar.

Kata kunci: berpikir kritis, PBI (*Problem Based Instruction*), pendekatan *Etnosains*.

Mohammad Fachruddin. 2017. An effectiveness of PBI (Problem Based Instruction) Learning Model with Etnosains Approach in Examining Students' Critical Thinking Skills. Thesis, Natural Science Education Study Program, Education Faculty, University of Trunojoyo Madura. Advisor I: Laila Khamsatul Muharrami, S.Si., M.Sc. Advisor II: Irsad Rosidi, S.Pd., M.Pd.

ABSTRACT

This study aims to reveal the influence of PBI learning model (Problem Based Instruction) with Etnosains approach to examine students' critical thinking skills. This study uses a quasi experimental design methods was implemented in SMP N 1 Socah Bangkalan. The technique of collecting the sample uses purposive sampling. Based on the results of this study, the writer concludes that: 1) the result of hypothesis test of -3.960 to $Z_{\text{calculate}}$ and the Z_{table} amounts -0.563 points out $Z_{\text{table}} > Z_{\text{calculate}}$ which means H_0 is rejected and H_1 is accepted. Its indicates that there is influence of PBI learning model (Problem Based Instruction) with Etnosains approach on students' critical thinking skills, 2) the average result of learning implementation is 81.5% which is in excellent predicate, 3) the average result of students' response is 79.4% which is in good predicate, 4) there is no barrier during learning activity.

Keywords: critical thinking, PBI (Problem Based Instruction), etnosains approach..