

ABSTRACT

RETNO KUSUMA PUTRI, Perbandingan Kemampuan Berpikir Kritis Siswa Yang Belajar Menggunakan Model *Problem Based Learning* Dengan Model Inkuiri Terbimbing di SMA Negeri 109 Jakarta. Skripsi. Jakarta: Program Studi Pendidikan Matematika, Fakultas Matematika dan Ilmu Pengetahuan Alam, Universitas Negeri Jakarta, 2016.

The purpose of this research was to know difference of critical thinking ability student who learn use learning model of problem based learning (PBL) and learning model of guided inquiry at Senior High School 109 Jakarta. This research held on SMA 109 Jakarta at class of XI MIA 3 and class of XI MIA 4 on even semester of school year 2015/2016 in subject of geometry transform.

Learning model that compared subscribe concept of constructivism theory or construct own knowledge that is learning model of guided inquiry and learning model of problem based learning (PBL). The learning model makes student become independently, active, and construct of own knowledge. The application of that learning model was to know difference of critical thinking ability student and to know exactly learning model to applied on 2013 curriculum.

Research method that use is research of quasi eksperiment. This method used because researcher could not do full control to variable and experiment condition. Sample taking use technique of cluster random sampling. The research use product of post-test. Instrument of research that use is post-test of critical thinking ability in subject of geometry transform as much as 5 description question. Research instrument what use already pass content validation and construct validation.

Based on calculation of the result data of research, experiment class I (learning model of guided inquiry) and experiment class II (learning model of problem based learning) came from population of normal distribution and homogen with same varians. Hypothesis test use t-test independent sample with significant degree $\alpha = 0,05$. The result calculation, get the value $t_{test} = 0.120$ and $t_{table} = 1.994$ so that sehingga $t_{test} < t_{table}$ then H_0 accepted. The meaning is difference nothing of critical thinking ability student who learn use learning model of problem based learning (PBL) and learning model of guided inquiry at Senior High School 109 Jakarta. The reason is got mistake in research application. The application of the ways of learning model of problem based learning still less maximal because student do not construct own knowledge but still help from teacher. Introductory lesson what gave at experiment class II opposite with learning model of problem based learning. So that, affect the result of treatment, the result of post-test and the data do not support of research hypothesis.

Key words: *critical thinking ability, learning model of guided inquiry, learning model of problem based learning.*