

ABSTRACT

INCREASING SCIENCE PROCESS SKILL AND ACHIEVEMENT THROUGH LABORATORY BASED LEARNING AT EIGHT GRADE OF SMP NEGERI 1 PEKALONGAN EAST LAMPUNG

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The aims of research are to analyze: (1) design laboratory science based learning, (2) implementation of laboratory based learning, (3) evaluation systems, (4) increasing of achievement and science process skill through laboratory based learning.

This research used classroom action research, which is done by SMP Negeri I Pekalongan. This research was done into three cycle, they are cycle I, cycle II and Cycle Iii. The data was collected by observation and test, it was analyzed by quantitative research.

The results of research are: (1) lesson plan syntax was arranged by laboratory based model learning into three activities, they are pre activity, main activity and post activity; (2) implementation of learning score at laboratory based learning at cycle I is about (2,93), at cycle II is (3,39), at cycle III is (3,46); (3) evaluation system used multiple choice and essay test, instrument validity test at cycle I, II, and III is about 0, 64 and reliability is 0, 71 (4) increasing of science process skill activity at student of VIII. 1 is (64%) in cycle I, in cycle II (81%) and in cycle III (87%). Class of VIII.2 has (63%) in cycle I, in cycle II (71%), in cycle III (85%). In cycle I, students' achievement of class VIII.1 is > 75 (56%), cycle II is 75% and cycle II is 97%. In cycle I, students' achievement of class VIII. 2 have score > 75 (34%), cycle II is 78% and cycle III is 97%.

Key words: achievement, cience process skill, laboratory based learning.