**Application of Inquiry Learning Model to Improve Curiosity and Grades of the Students on Transportation Technology Subject in Social Science**

(A Classroom Action Research on Fourth Grade Students of SDN Cipangeran in Saguling Regency, West Bandung District)

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**Abstract**

The purpose of this research is to improve curiosity and grades of the fourth grade students on transportation technology subject in Social Science, based on the low level of curiosity and grades on the subject. The research design applied is Classroom Action Research Method which consists of two (II) cycles. Each cycle consists of planning phase, action execution phase, observation phase, and reflection phase. The result shows that an increase occurs in curiosity and grades of the students based on the improvement of grades in every test. The result of post-test in cycle I shows an increase by 36% on grades and a significant increase is shown in cycle II post-test. Cycle II post-test shows that the students achieved Minimum Mastery Criteria *(Kriteria Ketuntasan Materi)* by 100%; 64% higher than cycle I post-test result, and the assessed curiosity result on the students who stated their active participation in learning is by 54,5%. In cycle II, 100% of the students stated their active participation in learning. The inquiry learning model affected the students in a form of improvement in curiosity. The students’ activity is observed as effective, based on students’ active participation in discussions within the learning process, as well as the application of attractive learning media which facilitates the students to comprehend the material the teacher delivers. Students’ response in learning is very positive. The students are excited and eager to participate in learning and are able to control the class. The conclusion of the research is the resulting improvement on curiosity and grades of the students in cycle I and cycle II shows a significant increase. Cycle II post-test shows 100% of the students achieved Minimum Mastery Criteria which is 80% higher than the writer assumed. This research is recommended as a consideration material for next researchers.

Keywords: Inquiry, Curiosity, Grades