

**Shinta Ardila Nur Kharimah, The Use of Structured Inquiry Based Student Worksheets against Students' Problem-Solving Skills in the Subject of Human's Respiratory System (*pre-experimental design* at SMA Pasundan 7 Bandung). Thesis, Biology Education Department, Faculty of Education and Teachers Training, Bandung Pasundan University.**

## **ABSTRACT**

This study is aimed to determine students' problem-solving skills. These include the aspects of identifying problems, formulating problems, the smoothness of the problem-solving and the quality of problem-solving. The experiment is conducted in SMA Pasundan 7 Bandung by using pre-experimental design that implements the Posttest-Only Design. The technique of sampling used is saturated or census sampling. The number of research sample includes experimental group is 30 students by using structured inquiry based student worksheets. The data analysis problem-solving skills of students are 95.8%. The findings indicate that the use of structured inquiry based student worksheets against students' problem-solving skills is Very Good. The Problem-solving skills of students who get the highest score is to identify problems and to formulate the problem. The cognitive assessment in this study has successfully passed the Minimum Criterion, The Minimum Criterion is 90%, in addition, the assessment of student activity strengthens the inquiry theory where the learning process is a student-centered in which the average result obtained from three domains of aspects of assessment (affective, psychomotor and discussions) is 85,8% "very active" criterion.

**Keywords:** Students Worksheets, Structured Inquiry, Problem Solving Skills.