

## ABSTRACT

Anindya Anggita Putri. 2016. The use of Student Worksheet Based on Guided Inquiry for Critical Thinking Skill in Circulation System Concept. Skripsi, Biology Education, Faculty of Teaching and Education, Pasundan University Bandung. Under Guidance Prof. Dr. H. Toto Sutarto Gani Utari, M.Pd dan Cita Tresnawati, S.Pd.,M.Pd

The aim of this study was to generate Student Worksheet (LKS) based on Guided Inquiry in the Sirculation System Concept for critical thinking skill. This research was conducted in one school in Bandung, namely SMA Pasundan 7 Bandung the year grade2016-2017. The sample of this research is student for class XI IPA with students population 23 students. The method of research was *pre-experimental design* with *one group pretest posttest design*. The result of research on pretest the value is 49,17 and on posttest increased to 66,86. Approciate with the result of t test that counted by  $t_{hitung} > t_{tabel}$  as  $2,27 > 2,07$  then the different was founded in a significant between pretest and posttest. The result of critical think capability of student reached on middle level to high level. The developed Student Workseet (LKS) can help student to do experiment, formulate the conclusion and make student decply involve on learning activity. Base on result of research can make conclution that LKS which is basen on Guided Inquiry at sirculation system material is worth and effective when use on learning activity.

Key word : Student Worksheet (LKS) based on Guided Inquiry, Sirculation system, Critical thinking skill