

Abstract

This research aims to analyze and determine the ability of science literacy class XI student in learning the material Acid Bases chemical approach Project Life Cycle Thinking. The research was done on January-June 2016 at class XI MIA 3 SMA Negeri 27 Jakarta. The subjects of research are 35 students. This research is qualitative. The data in this research was obtained from the observation of scientific literacy of students and the free observation of the observer, reflective journals of students and researchers, documentation, scientific literacy tests, and interviews. Science literacy skills measured, namely the aspect of scientific competence and moral aspects, socio-economic, ecological and scientific. Quality Standard is used Credibility. The instrument used in this research are the scientific literacy test, sheets of semi-structured interview guides, discussion evaluation sheets, project life cycle assessment rubrics and observation sheet. The results of students' science literacy skills obtained from students' responses to the story of the life cycle, the presentation of the project life cycle, life cycle essays and scientific literacy test. Based on the research results show the ability of students' science literacy dominant on the scientific aspects. This means that the students have been able to connect with the acid-base materials used in the product life. Science literacy test results also showed more students reached level 5, meaning that students can identify the scientific components in complex situations and be able to apply their science knowledge to respond to situations in their life. Thus, it can be concluded that the approach of Life Cycle Thinking Project can develop students' science literacy skills.

Keywords:

Life Cycle Thinking Project, Scientific Literacy, Acid Bases