

Implementasi Team-based Project pada Perkuliahan Literasi Kimia dan Lingkungan untuk Meningkatkan Kemampuan Kolaborasi dan Literasi Lingkungan Mahasiswa

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ABSTRACT

This research is chemistry education research that focuses on implementing Team-based Projects in chemistry learning, especially in chemical and environmental literacy lectures, to improve students' collaboration and environmental literacy skills. Collaboration ability is one of the 21st century skills that is obtained when each student optimizes his or her potential to work together with other students in small groups. Meanwhile, the environmental literacy aspect is students' efforts to use various chemical concepts that are able to solve problems in the environment around them.

This research is a pre-experimental research with a pretest-posttest design. The collaboration ability aspect will be seen using an observation sheet, while the environmental literacy aspect will be measured using previously validated environmental literacy questions. Data analysis was carried out descriptively and statistically to determine the profile and influence of Team-based Project learning on students' collaborative abilities and environmental literacy.

The results of the research show that (1) there is a significant difference in students' collaboration abilities before and after taking the Chemical and Environmental Literacy course which implements a team-based project, and (2) there is a significant difference in students' environmental literacy abilities before and after taking the Literacy course Chemistry and Environment which implements team-based projects.

Kata Kunci: *team-based project, collaboration, environmental literacy*