

Development of Science Outdoor Learning to Improve Knowledge Competence and Problem Solving Skills of Yunion High School Students.

by Susilowati, Insih Wilujeng, Purwanti Widhy H.

ABSTRACT

This study aims to develop appropriate science outdoor learning tools used to improve knowledge competencies and problem solving. The research method used was the Research & Development model Borg & Gall and the quasi experiment with design before after for a limited test of learning devices. The tools developed include lesson plans, worksheet and assesment instruments. Product development is limited to the steps of Preliminary Field Testing. The stages in this study include product design, product validation and product testing. The data generated in this study includes product assessment data and learning device learning data. Data analysis in this study consisted of qualitative in the form of comments and suggestions for material revision of learning devices with science outdoor learning developed and quantitative data in the form of scores obtained from the results of validation of learning devices. In addition, the data on the pretest and posttest scores of knowledge competencies and problem solving skills. This research can develop learning devices with very good criteria to be used in improving knowledge competencies and problemsolvingskills.

Kata Kunci: *science outdoor learning , knowledge competencies, problem solving skills.*