

ABSTRACT

ANALYSIS OF COGNITIVE LEARNING USE MULTIMEDIA THROUGH APPROACH RESOURCE BASED LEARNING THE REVIEWED FROM PRIOR KNOWLEDGE

**By
Uji Yasmita**

In this research is used for Direct Instructions to use the books as a comparison to find out the influence of the application of Resource Based Learning using multimedia learning the cognitive learning viewed from the prior knowledge. The purpose of this research is to know; (1) The difference of cognitive learning between Resource Based Learning use multimedia and Direct instruction use books in high prior knowledge, (2) The differences of cognitive learning between Resource Based Learning using multimedia and Direct Instruction using books in medium prior knowledge, (3) The difference of cognitive learning between Resource Based Learning use multimedia and Direct instruction use books in low prior knowledge, (4) Interaction between prior knowledge with Resource Based Learning use multimedia and Direct instruction use books about cognitive learning, (5) The difference of cognitive learning between the student in high prior knowledge, medium, and low with Resource Based Learning use multimedia, (6) The difference of cognitive learning between the students in high prior knowledge, medium and low with Direct instruction use books. The population of research is the all students of Class XI IPA even in the first half. Selection of the sample class

with method of purposive sampling are XI IPA₁ and XI IPA₂. The research design used is 2 x 3 factorial design is a modification of a quasi experimental design.

The concluded are there is difference of cognitive learning between Resource Based Learning use multimedia and Direct instruction use books in high prior knowledge, there is not differences of cognitive learning between Resource Based Learning use multimedia and Direct instruction use books in medium prior knowledge, there is difference of cognitive learning between Resource Based Learning use multimedia and Direct instruction use books in low prior knowledge, there is interaction between prior knowledge with Resource Based Learning use multimedia and Direct instruction use books about cognitive learning, there is the difference of cognitive learning between the student in high prior knowledge, medium, and low with Resource Based Learning use multimedia, and there is not the difference of cognitive learning between the students in high prior knowledge, medium and low with Direct instruction use books.

Keyword: Resource Based Learning, Direct Instruction, Prior Knowledge, Multimedia, and The cognitive learning