

DEVELOPMENT OF ENVIRONMENTAL EDUCATION TEACHING MATERIALS BASED ON ECONOMIC, SOCIAL AND ENVIRONMENTAL APPROACHES (ESL) TO IMPROVE KNOWLEDGE ABOUT ECOSYSTEMS

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ABSTRACT

This research was aim at finding out whether teaching material could be effective in improving teachers' knowledge about ecosystem. R & D has been chosen by involving 70 teachers in Jakarta city as sample which was selected randomly. There were two groups that have been determined, one group was a group of teacher which has been reading an teaching material and other group of teacher as a control group. teachers knowledge has been tested by developing true-false test (36 items and only 28 items was valid with reliability of 0.901). Data has been analyzed by applying descriptive statistics and t-test for verifying it's differences and effectiveness of the product. Research results showed that there was an effective and significant improvement of teachers' knowledge after they learned those teaching material. Therefore, even though their statuses are as teacher, but they have a serious interest in reading and comprehending the material teacher as a product. This is one of the ways on how to change teachers knowledge and expecting changes in their attitudes toward environment which in the end, they would be more positive in their pro-environmental behavior.

Keywords: Knowledge About Ecosystems, Environmental Education Teaching Materials Based On Economic, Social And Environmental Approaches (ESL)