

Mathematics and Non Mathematics Pre-service Teachers' Value Orientation and Attitude on Climate Change

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Abstract

Climate change is a global issue that challenges education today. Prospective teachers in all fields of study need to have a value orientation and a positive attitude towards climate change. Meanwhile, not all curricula in the field of study provide content about climate change. This study aims to describe the differences in value orientation (value orientation) and the attitudes of students who are prospective teachers of mathematics and non-mathematics, as well as the correlation between the orientation of values and the attitudes of students who are prospective teachers about climate change. The research respondents consisted of 55 mathematics teacher candidates, 177 homeroom teacher candidates, 55 science teacher candidates, 85 social studies teacher candidates and 97 language teacher candidates. Data on the value orientation of prospective teacher students was obtained through a questionnaire consisting of 10 items with 4 categories of value orientations namely altruistic, biospheric, egoistic and hedonic. The data to determine the attitude of prospective teacher students used a questionnaire with a Likert scale of 1-5 consisting of 40 items. Data analysis was carried out using two-way ANOVA through the Turkey HRD application. (adjusted to the research question The results of the study showed that there were differences in the value orientation and attitudes of prospective mathematics and non-mathematics teacher students towards climate change and there was a positive correlation between the value orientation and attitudes of prospective teacher students about climate change, from the research results it can be concluded that the subjects being taught and orientation values affect the attitudes of prospective teacher students towards climate change, and data. This finding has implications for the content of the curriculum for prospective teacher students in each study program in order to equip them for climate change.

Keywords: Mathematics Pre-service Teacher, Attitude, Value, Climate Change