

THE DEVELOPMENT OF JUNIOR HIGH SCHOOL STUDENTS' UNDERSTANDING TOWARDS PERCENTAGES WITH THE HELP OF PERCENTAGE BAR

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ABSTRACT

Abstract

This present research study aimed to see how the development of students' understanding is towards percentage with the help of model which is called percentage bar. The use of model in this present research is a part of mathematics realistic approach. The sort of this research study is a design research. Design research is a kind of study that is aimed to develop theory about learning process and the tools which is designed to support learning process. There are three phases in design research, namely designing the research study, conducting research study that was divided into two cycles, and retrospective analysis. This present study involved a class of seventh grade students of Junior High School in Yogyakarta and a mathematics teacher. Learning process in the classroom was recorded using video recorder, so did the interviews that was held during the research. Researcher took notes from the field.

Kata Kunci: *percentage bar, Indonesia's realistic mathematics education, design research, percentage*