

Ina Suci Ilahi. 2022. *Pengembangan Perangkat Pembelajaran Model RME (Realistic Mathematics Education) Berbasis Literasi Matematis untuk Siswa Kelas V Sekolah Dasar*. Skripsi, Program Studi Pendidikan Guru Sekolah Dasar, Fakultas Ilmu Pendidikan, Universitas Trunojoyo Madura. Pembimbing 1: Rika Wulandari, S.Pd., M.Pd. Pembimbing 2: Tyasmiarni Citrawati, S.Pd., M.Pd.

ABSTRAK

Penelitian dan pengembangan ini dilatarbelakangi implementasi pembelajaran matematika yang belum terlaksana dengan baik, sehingga tujuan dari pembelajaran matematika belum tercapai. Tujuan dari penelitian ini untuk mengetahui kevalidan, keefektifan dan kepraktisan perangkat pembelajaran model RME (*Realistic Mathematics Education*) berbasis literasi matematis untuk siswa kelas V sekolah dasar. Penelitian pengembangan ini menggunakan model 4D. Model ini terdiri dari 4 tahapan, yaitu tahap *define* (pendefinisian), *design* (perancangan), *develop* (pengembangan) dan *dissiminate* (penyebarluasan). Materi dalam perangkat pembelajaran, yaitu rumus volume kubus dan balok. Subjek penelitian adalah siswa kelas V UPTD SDN Socah 1. Kevalidan perangkat pembelajaran diperoleh dari validator yaitu 88,75% (sangat valid), keefektifan perangkat pembelajaran diperoleh dari tes hasil belajar pada kriteria ketuntasan belajar klasikal 94,5% (efektif) dan kepraktisan perangkat pembelajaran diperoleh dari hasil observasi keterlaksanaan pembelajaran 96,25% (sangat baik), angket respon siswa 95,4% (sangat baik) dan angket penilaian guru 92,6% (sangat baik). Berdasarkan hasil penelitian maka perangkat pembelajaran model *Realistic Mathematics Education* (RME) berbasis literasi matematis valid, efektif dan praktis sehingga dapat digunakan sebagai sumber belajar dalam pembelajaran matematika kelas V Sekolah Dasar.

Kata Kunci: Perangkat pembelajaran, model pembelajaran RME, literasi matematis.

Ina Suci Ilahi. 2022. *Development of RME (Realistic Mathematics Education) Model Learning Devices Based on Mathematical Literacy for Grade V Elementary School Students*. Thesis, Elementary School Teacher Education Study Program, Faculty of Education, Trunojoyo University Madura. Advisor 1: Rika Wulandari, S.Pd., M.Pd. Advisor 2: Tyasmiarni Citrawati, S.Pd., M.Pd.

ABSTRACT

This research and development is motivated by the implementation of mathematics learning that has not been carried out properly, so that the objectives of learning mathematics have not been achieved. The purpose of this study was to determine the validity, effectiveness and practicality of the RME (*Realistic Mathematics Education*) model of learning tools based on mathematical literacy for fifth grade elementary school students. This development research uses a 4D model. This model consists of 4 stages, namely define, design, develop and disseminate. The material in the learning device, namely the formula for the volume of a cube and a cuboid. The research subjects were students of class V UPTD SDN Socah 1. The validity of the learning tools was obtained from the validator, namely 88.75% (very valid), the effectiveness of the learning devices was obtained from the learning outcomes test on the criteria of classical learning completeness 94.5% (effective) and the practicality of the device. learning is obtained from the results of observations of learning implementation 96.25% (very good), student response questionnaires 95.4% (very good) and teacher assessment questionnaires 92.6% (very good). Based on the results of the study, the *Realistic Mathematics Education* (RME) model of learning tools based on mathematical literacy is valid, effective and practical so that it can be used as a learning resource in learning mathematics for grade V Elementary School.

Keywords: Learning tools, RME learning model, mathematical literacy.