

The Legend of Kemaro Island for Supporting Students in Learning Average

Lestariningsih, Ratu Ilma Indra Putri, Darmawijoyo

Abstract

This research is aimed to determine the role of Indonesian folklore context namely the Legend of Kemaro Island in supporting average learning on 6 grade students with Pendidikan Matematika Realistik Indonesia (PMRI) approach. The method used is a design research that contains three stage namely preliminary design, teaching experiment, and retrospective analysis. Results from the research shows that Indonesian folklore context can support students to develop their knowledge in the concept of average. Strategy and model (emergent modeling) that students discover, describe and discuss the construction or contribution shows how students can use to help their initial understanding of the concept of average.

Key words: The Legend of Kemaro Island, PMRI, average

Abstrak

Penelitian ini bertujuan untuk mengetahui peranan konteks cerita rakyat Indonesia yaitu Legenda Pulau Kemaro dalam mendukung pembelajaran rata-rata di kelas 6 dengan pendekatan Pendidikan Matematika Realistik Indonesia (PMRI). Metode yang digunakan adalah design research dengan tahap preliminary design, teaching experiment, dan retrospective analysis. Hasil dari penelitian menunjukkan bahwa cerita rakyat Indonesia dapat mendukung siswa untuk mengembangkan pengetahuan mereka tentang konsep rata-rata. Seluruh strategi dan model (emergent modeling) yang siswa temukan, gambarkan dan diskusikan menunjukkan bagaimana konstruksi atau kontribusi siswa dapat digunakan untuk membantu pemahaman awal mereka tentang konsep rata-rata.

Kata kunci: Legenda Pulau Kemaro, PMRI, rata-rata

Introduction

Statistics widely applied in various disciplines, for example natural science, business and industry. Almost every decision made in the field of politics and economics of using a statistical reasons (Bakker, 2004). Therefore, the statistics need to be introduced to students early on. About teaching and learning activities in elementary statistics in general emphasizes concentration on the size of the data average and mode.