

ABSTRAK

Renni Astuti Siregar, NIM 4161111062 (2020), Analisis Peningkatan Kemampuan Spasial Siswa Melalui Pendekatan Matematika Realistik Berbantuan *GeoGebra*.

Penelitian ini bertujuan untuk mengetahui peningkatan kemampuan spasial siswa melalui pendekatan matematika realistik berbantuan *GeoGebra* yang telah dilakukan peneliti terdahulu serta mengetahui peran software *GeoGebra* berbasis pendekatan matematika realistik dalam meningkatkan kemampuan spasial siswa berdasarkan penelitian yang sudah ada terdahulu. Jenis penelitian ini adalah penelitian deskriptif yang bersifat studi kepustakaan. Hasil penelitian menunjukkan bahwa, 1) Pendekatan Matematika Realistik dapat meningkatkan kemampuan spasial siswa berdasarkan penelitian terdahulu. Maka Pendekatan Matematika Realistik baik digunakan dalam proses pembelajaran dalam meningkatkan kemampuan spasial; 2) *GeoGebra* sangat berperan dalam meningkatkan kemampuan spasial siswa.

Kata Kunci: Analisis, Studi Kepustakaan, Spasial, *GeoGebra*, Pendekatan matematika realistik.

ABSTRACT

Renni Astuti Siregar, NIM 4161111062 (2020), Analysis of Improving Student Ability through GeoGebra Assisted Realistic Mathematical Approach.

This study aims to see the improvement of students' spatial abilities through the GeoGebra-assisted realistic mathematics approach that has been done by previous researchers and to see the role of GeoGebra software based on a realistic mathematical approach in improving students' spatial abilities based on pre-existing research. This type of research is descriptive research which is literature study. The results of this study indicate that, 1) The Realistic Mathematical Approach can improve students' spatial abilities based on previous research. So the Realistic Mathematical Approach which is good to use in the learning process in improving spatial abilities; 2) GeoGebra plays a very important role in improving students' spatial abilities.

Keywords: Analysis, Literature Study, Spatial, GeoGebra, Realistic Mathematical Approach.