

ABSTRAK

JUSLIANTI ISMAIL, 2024. Penerapan Bahan Ajar Berbasis Multimodus Representasi untuk Meningkatkan Proses Sains Siswa Siswa pada Konsep Fluida Statis. Pembimbing **Dr. Hj. Masrifah, S.Pd.,M.Si**, dan **Dr. Nasrun Balulu , S.Pd.,M.Si**.

Penelitian ini bertujuan untuk mengetahui peningkatan Keterampilan proses sains siswa setelah diterapkan bahan ajar berbasis multimodus representasi dan untuk mengetahui besar peningkatan keterampilan proses sains siswa setelah diterapkan bahan ajar berbasis multimodus representasi. penelitian quasi eksperimen dengan *pretest posttest control group design* dengan instrument yang digunakan adalah soal tes pilihan ganda. Analisis data menggunakan uji rerata gain ternormalisasi dan uji hipotesis (uji-t). Berdasarkan analisis data, disimpulkan bahwa terdapat peningkatan keterampilan proses sains siswa pada konsep fluida statis setelah diterapkan bahan ajar berbasis multimodus representasi, besar peningkatan hasil belajar siswa yakni sebesar 0,71 dengan kategori tinggi.

Kata Kunci: multimodus representasi, hasil belajar siswa

ABSTRAK

JUSLIANTI ISMAIL, 2024. Application of Teaching Materials Based on Multimode Representation to Improve Students' Science Processes on Static Fluid Concepts. Supervisor **Dr. Hj. Masrifah, S.Pd., M.Si**, and **Dr. Nasrun Balulu, S.Pd., M.Si**.

This research aims to determine the increase in students' science process skills after applying multi-mode representation-based teaching materials and to determine the magnitude of the increase in students' science process skills after applying multi-mode representation-based teaching materials. Quasi-experimental research with pretest posttest control group design with the instrument used was multiple choice test questions. Data analysis used the normalized mean gain test and hypothesis test (t-test). Based on data analysis, it was concluded that there was an increase in students' science process skills in fluid concepts. statically, after applying multi-mode representation-based teaching materials, the increase in student learning outcomes was 0.71 in the medium category.

Keywords: multimode representation, student learning outcomes