

ABSTRAK

Putri Maulidiya 1212060095 (2021): “Pembelajaran Materi Sistem Gerak Melalui Model Kooperatif Tipe *Group Investigation* Berbantu Media *Augmented Reality (Ar) Assemblr Edu* Untuk Meningkatkan Keterampilan Kolaborasi Siswa”

Salah satu keterampilan utama di era abad ke-21 adalah keterampilan berkolaborasi. Keterampilan kolaborasi menjadi dasar keberhasilan peserta didik dalam kehidupan individu maupun profesionalnya karena mencakup keterampilan abad-21 lainnya. Namun, pada kenyataannya keterampilan kolaborasi peserta didik masih tergolong rendah, sehingga dibutuhkan model pembelajaran yang mampu mengasah dan meningkatkan keterampilan kolaborasi peserta didik. Tujuan penelitian ini adalah untuk meningkatkan keterampilan kolaborasi peserta didik melalui model pembelajaran *group investigation* berbantu media *AR Assesmbler Edu* pada materi sistem gerak. Metode pada penelitian ini adalah *quasi eksperimental* dengan pendekatan kuantitatif. Hasil penelitian menunjukkan bahwa keterlaksanaan pembelajaran aktivitas guru pada kelas eksperimen diperoleh persentase sebesar 94% dan kelas kontrol sebesar 93%, keduanya berkategori sangat baik. Keterlaksanaan pembelajaran aktivitas peserta didik pada kelas eksperimen diperoleh persentase sebesar 87% dan kelas kontrol sebesar 91%, keduanya berkategori sangat baik. Peningkatan keterampilan kolaborasi siswa pada kelas eksperimen memperoleh nilai rata-rata *pretest* sebesar 2,3 dengan kategori tingkat dasar, dan nilai rata-rata *posttest* sebesar 3,6 dengan kategori tingkat tinggi. Sedangkan pada kelas kontrol memperoleh nilai rata-rata *pretest* sebesar 2,4 dengan kategori tingkat dasar dan nilai rata-rata *posttest* sebesar 3,2 dengan kategori tingkat terlatih. Hal ini menunjukkan bahwa terdapat peningkatan yang signifikan pada kelas eksperimen dengan menggunakan model pembelajaran *Group Investigation* berbantu media *AR Assembler*. Berdasarkan penelitian yang telah dilakukan, disimpulkan bahwa model pembelajaran *group investigation* berbantu media *AR assesmbler edu* mampu meningkatkan keterampilan kolaborasi siswa pada materi sistem gerak.

Kata Kunci: *Group Investigation*, Keterampilan Kolaborasi, *AR Assembler Edu*, Sistem Gerak.

ABSTRACT

Putri Maulidiya 1212060095 (2021): *“Learning Motion System Material Through a Cooperative Model of Group Investigation Assisted by Augmented Reality (AR) Assemblr Edu Media to Improve Students' Collaboration Skills”*

One of the key skills in the 21st century is collaboration. Collaboration skills are fundamental to students' success in their personal and professional lives because they encompass other 21st-century skills. However, in reality, students' collaboration skills are still relatively low, so a learning model is needed that can hone and improve their collaboration skills. The purpose of this study was to improve students' collaboration skills through a group investigation learning model assisted by AR Assemblr Edu media in motion system material. The method used in this study was quasi-experimental with a quantitative approach. The results showed that the implementation of teacher learning activities in the experimental class obtained a percentage of 94% and the control class obtained 93%, both of which were categorized as very good. The implementation of student learning activities in the experimental class obtained a percentage of 87% and the control class obtained 91%, both of which were categorized as very good. The improvement in students' collaboration skills in the experimental class obtained an average pretest score of 2.3 and an average posttest score of 3.6. Meanwhile, the control class obtained an average pretest score of 2.4 and an average posttest score of 3.2. This shows that there was a significant improvement in the experimental class using the Group Investigation learning model assisted by AR Assemblr media. Based on the research conducted, it was concluded that the Group Investigation learning model assisted by AR Assemblr Edu media was able to improve students' collaboration skills in the subject of the motion system.

Keywords: *Group Investigation, Collaboration Skills, AR Assemblr Edu, Motion System.*