

ABSTRAK

Azizah Arba Rambe, NIM 4203131018 (2024). Pengembangan Media SAC (*Smart Apps Creator*) Terintegrasi Model *Project Based Learning* Pada Materi Laju Reaksi.

Penelitian ini bertujuan untuk mengetahui analisis tingkat kelayakan dan respon peserta didik terhadap media SAC (*Smart Apps Creator*) terintegrasi *project based learning* pada materi laju reaksi. Metode penelitian yang digunakan adalah *Research and Development* dengan pendekatan model pengembangan 4D (*define, desain, development* dan *disseminate*). Pengumpulan data penelitian dilakukan dengan wawancara dan angket atau kuisioner yang disebarakan kepada guru dan peserta didik. Penelitian ini dilaksanakan di SMAS PAB 8 Saentis. Populasi dan sampel dalam penelitian ini adalah dosen kimia sebagai validator media sebanyak 3 orang, guru sebanyak 1 orang dan peserta didik kelas XI 2 tahun ajaran 2023/2024 diambil secara *purposive sampling* sebanyak 30 orang. Berdasarkan validitas menunjukkan bahwa media pembelajaran SAC yang dikembangkan dinyatakan valid oleh validator dengan kriteria “Sangat Layak” dengan hasil skor rata-rata validasi 89,86%, hasil respon guru diperoleh sebanyak 83,98 % dengan kriteria “Sangat Praktis” kemudian berdasarkan hasil respon siswa, diperoleh bahwa media pembelajaran SAC yang dikembangkan secara keseluruhan mendapatkan hasil rata-rata presentase sebesar 83,81% dengan kriteria “Sangat Praktis”. Oleh karena itu, media pembelajaran SAC terintegrasi model *project based learning* pada materi laju reaksi layak digunakan sebagai media pembelajaran.

Kata Kunci : Media Pembelajaran, SAC (*Smart Apps Creator*), *Project Based Learning*

ABSTRACT

Azizah Arba Rambe, NIM 4203131018 (2024). Development of SAC (*Smart Apps Creator*) Media Integrated with Project Based Learning Model on Reaction Rate Material.

This study aims to determine the analysis of the feasibility level and response of students to SAC (Smart Apps Creator) media integrated with project based learning on reaction rate material. The research method used is Research and Development with a 4D development model approach (define, design, development and disseminate). Research data collection is carried out by interviews and questionnaires or questionnaires that are distributed to teachers and students. This research was conducted at SMAS PAB 8 Saentis. The population and sample in this study are chemistry lecturers as media validators as many as 3 people, teachers as many as 1 person and class XI 2 students for the 2023/2024 academic year taken by purposive sampling as many as 30 people. Based on validity, it shows that the SAC learning media developed was declared valid by validators with the criteria of "Very Feasible" with an average validation score of 89.86%, the results of teacher responses were obtained as much as 83.98% with the criteria of "Very Practical" then based on the results of student responses, it was obtained that the SAC learning media developed as a whole received an average percentage result of 83.81% with the criteria of "Very Practical". Therefore, SAC learning media integrated with the project-based learning model on the reaction rate material is suitable for use as a learning medium.

Keywords: Learning Media, SAC (Smart Apps Creator), Project Based Learning