

ABSTRAK

Yudi Ramadhoni, NIM 4201131015 (2024), Pengembangan Media Smart Apps Creator Terintegrasi Model Pembelajaran Inkuiri Terbimbing pada Materi Laju Reaksi

Pendidikan di era digital saat ini memerlukan pendekatan yang inovatif untuk mendukung proses pembelajaran. Salah satu pembelajaran yang memerlukan pendekatan yang inovatif ialah materi laju reaksi. Materi laju reaksi menjadi topik krusial dalam kurikulum kimia, namun seringkali sulit dipahami oleh siswa karena melibatkan konsep abstrak. Berdasarkan hasil wawancara, hasil belajar dan ketertarikan siswa pada materi laju reaksi masih tergolong rendah. Hal ini dikarenakan siswa sangat sulit untuk mempelajari dan memahami materi tersebut. Selain itu, proses pembelajaran yang hanya menggunakan media power point dan buku cetak dari sekolah sehingga menyebabkan siswa menjadi tidak aktif dan merasa bosan dalam proses pembelajaran. Tujuan penelitian ini untuk mengetahui proses pembuatan media *Smart Apps Creator* dan mengetahui hasil validasi ahli serta hasil respon guru dan siswa terhadap media *Smart Apps Creator* terintegrasi model pembelajaran inkuiri terbimbing pada materi laju reaksi. Penelitian ini dilakukan di SMA Negeri 1 Percut Sei Tuan. Jenis penelitian yaitu penelitian kualitatif, menggunakan metode Research and Development (R&D) dengan model 4-D (Define, Design, Development and Dissemination). Subjek dalam penelitian ini terdiri dari 2 ahli media, 2 guru dan 29 Siswa kelas XI Matlanfor. Teknik pengumpulan data yang digunakan diantaranya lembar observasi dan wawancara, angket ahli media, angket respon guru dan siswa yang dianalisis menggunakan deskriptif persentase. Hasil penelitian diperoleh dari ahli media dengan persentase sebesar 89,6%, hasil respon guru sebesar 89,5% dan hasil respon siswa sebesar 82,2%. Melalui data tersebut menunjukkan bahwa media *Smart Apps Creator* terintegrasi model pembelajaran Inkuiri Terbimbing sangat layak digunakan sebagai media pembelajaran pada materi laju reaksi.

Kata Kunci : Smart Apps Creator, Laju Reaksi, Media Pembelajaran, Inkuiri Terbimbing

ABSTRACT

Yudi Ramadhoni, NIM 4201131015 (2024) Development of Integrated Smart Apps Creator Media with Guided Inquiry Learning Model on Reaction Rate Material

Education in the current digital era requires an innovative approach to support the learning process. One lesson that requires an innovative approach is reaction rate material. Reaction rate topic material is crucial in the chemistry curriculum, but is often difficult for students to understand because it involves abstract concepts. Based on the results of interviews, students' learning outcomes and interest in reaction rate material are still relatively low. This is because students find it very difficult to learn and understand the material. Apart from that, the learning process only uses PowerPoint and printed books from school, causing students to become inactive and feel bored in the learning process. The aim of this research is to find out the process of creating Smart Apps Creator media and find out the results of expert validation as well as the results of teacher and student responses to Smart Apps Creator media integrated with the guided inquiry learning model on reaction rate material. This research was conducted at SMA Negeri 1 Percut Sei Tuan. The type of research is qualitative research, using the Research and Development (R&D) method with the 4-D model (Define, Design, Development and Dissemination). The subjects in this research consisted of 2 media experts, 2 teachers and 29 class XI Matlanfor students. The data collection techniques used were observation and interview sheets, media expert questionnaires, teacher and student response questionnaires which were analyzed using descriptive percentages. The research results were obtained from media experts with a percentage of 89.6%, teacher response results were 89.5% and student response results were 82.2%. This data shows that the Smart Apps Creator media integrated with the Guided Inquiry learning model is very suitable for use as a learning medium for reaction rate material.

Keywords : Smart Apps Creator, Reaction Rate, Learning Media, Guided Inquiry.