

ABSTRAK

PENGEMBANGAN MULTIMEDIA INTERAKTIF BERBANTUAN POWER POINT TERINTEGRASI ISPRING SUITE 11 PADA MATERI HIDROLISIS GARAM

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Hidrolisis garam merupakan salah satu topik kimia yang dianggap sulit oleh peserta didik di SMA Pangudi Luhur Sedayu. Peserta didik belum memahami materi hidrolisis garam secara menyeluruh. Saat ini, guru menggunakan Power Point sebagai alat bantu mengajar, namun belum dilengkapi dengan penyajian yang lengkap dan menarik. Oleh karena itu, diperlukan multimedia yang mampu mengatasi kesulitan belajar peserta didik. Penelitian ini bertujuan untuk: (1) mengetahui kelayakan produk berupa multimedia interaktif berbantuan Power Point terintegrasi iSpring Suite 11 pada materi hidrolisis garam; (2) mengetahui respon peserta didik terhadap produk yang dikembangkan selama uji coba. Penelitian ini merupakan *Research and Development* (R&D) dengan model pengembangan ADDIE. Instrumen pendukung dalam penelitian ini adalah lembar wawancara, lembar angket survei, lembar validasi produk, butir soal latihan dan evaluasi dalam produk serta lembar angket respon peserta didik. Sampel dalam penelitian ini adalah 10 orang peserta didik kelas XI MIPA yang dipilih melalui teknik *purposive sampling*. Data penelitian yang diperoleh dianalisis menggunakan deskriptif kualitatif dan kuantitatif. Hasil penelitian menunjukkan bahwa: (1) produk memperoleh rata-rata persentase sebesar 82% yang termasuk kriteria sangat layak dan sangat valid. Berdasarkan hasil analisis nilai evaluasi, diketahui bahwa produk memenuhi kriteria efektif dengan rata-rata nilai sebesar 70 yang menunjukkan kemampuan peserta didik tergolong cukup. Selain itu, rata-rata nilai latihan peserta didik yang diperoleh sebesar 66 dengan kategori cukup. Produk juga memiliki rata-rata persentase sebesar 96,25% dengan kriteria sangat praktis dan (2) produk dapat membantu peserta didik dalam belajar hidrolisis garam. Hal ini dapat dilihat dari 8 orang (80%) memberikan komentar positif melalui angket respon peserta didik. Satu orang (10%) tidak memberikan komentar ataupun saran dan 1 orang (10%) yang memberikan saran terkait dengan penggunaan produk. Selain itu, rata-rata persentase aspek per butir pernyataan angket sebesar 96,75% menunjukkan kategori respon yang sangat baik.

Kata kunci : multimedia interaktif, Power Point terintegrasi iSpring Suite 11, hidrolisis garam

ABSTRACT***DEVELOPMENT OF POWER POINT INTEGRATED ISPRING SUITE 11- ASSISTED INTERACTIVE MULTIMEDIA ON THE TOPIC OF SALT HYDROLYSIS***

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Salt hydrolysis is one of the chemistry topics that is considered difficult by students at SMA Pangudi Luhur Sedayu. Students do not understand the salt hydrolysis topics as a whole. Currently, teachers use PowerPoint as teaching media, but it is not yet equipped with complete and attractive presentation. Therefore, we need multimedia that is able to overcome students' learning difficulties. This research aims to: (1) determine the feasibility of product in the form of interactive multimedia assisted by integrated PowerPoint iSpring Suite 11 on salt hydrolysis material; (2) find out the response of students to the product developed during the trial. This study is Research and Development (R&D) with the ADDIE development model. Supporting instruments in this study were interview sheet, survey questionnaire sheet, product validation sheets, exercise and product evaluation questions, and student's response questionnaire sheet. The sample in this study were 10 students in class XI MIPA who were selected through purposive sampling technique. The research data obtained were analyzed using descriptive qualitative and quantitative. The results of the study show that: (1) the product obtains an average percentage of 82% which includes very feasible and very valid criteria. Based on the results of the evaluation value analysis, it is known that product has fulfilled the effective criteria with average score of 70 which indicates that the ability of the students is classified as sufficient. In addition, the average value of students' exercise obtained was 66 in the sufficient category. Product also has average percentage of 96.25% with very practical criteria and (2) the product can help students learn salt hydrolysis. This can be seen from 8 people (80%) giving positive comments through student's response questionnaire. One person (10%) did not provide comments or suggestions and 1 person (10%) provided suggestions related to using product. In addition, average percentage of aspects per item of the questionnaire statement is 96.75% showed very good response category.

Keywords: *interactive multimedia, iSpring Suite 11 integrated Power Point, salt hydrolysis*