

PENGEMBANGAN MEDIA PEMBELAJARAN BERBASIS SMS *Gateway* UNTUK MATERI KIMIA SMK KELAS XI SEMESTER I

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ABSTRAK

Penelitian ini merupakan penelitian pengembangan di bidang pendidikan kimia. Tujuan penelitian ini adalah untuk mengembangkan pembelajaran berbasis *SMS Gateway* dan kualitas media pembelajaran kimia SMK Kelas XI Semester I berdasarkan penilaian *reviewer*.

Model pengembangan yang digunakan dalam penelitian ini adalah prosedural, yaitu model yang bersifat deskriptif yang menggariskan langkah-langkah yang harus diikuti untuk menghasilkan suatu produk. Produk awal diberi masukan oleh dosen pembimbing, ahli materi dan ahli media serta *peer reviewer* dan selanjutnya direvisi. Produk hasil revisi kemudian dinilai lima guru kimia SMK menggunakan instrumen penilaian berbasis *SMS Gateway*. Instrumen penilaian tersebut mencakup empat aspek yaitu: aspek kebenaran, keluasan dan kedalaman konsep, aspek kebahasaan, aspek tampilan dan aspek keterlaksanaan. Hasil penilaian berupa skor kemudian ditabulasi dan dianalisis dengan pedoman kriteria kategori penilaian ideal untuk menentukan kualitas media pembelajaran berbasis *SMS Gateway*. Masukan *reviewer* digunakan untuk merevisi produk yang sudah dinilai sehingga diperoleh produk akhir.

Produk penelitian ini berupa media pembelajaran berbasis *SMS Gateway* untuk materi kimia SMK kelas XI Semester I yang berupa *print out*. Berdasarkan penilaian lima guru kimia SMK, media pembelajaran berbasis *SMS Gateway* yang disusun memperoleh skor 52,2 dari skor maksimal 65 dan memperoleh persentase keidealan 80,31%. Media pembelajaran berbasis *SMS Gateway* ini mempunyai kategori kualitas baik (B), sehingga dapat digunakan sebagai sumber belajar.

Kata Kunci : Media pembelajaran, *SMS Gateway*, dan Kimia SMK

THE DEVELOPMENT OF CHEMISTRY LEARNING MEDIA BASED ON
THE SMS Gateway FOR CHEMISTRY MATTER OF VOCATIONAL
SCHOOL CLASS XI SEMESTER I

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ABSTRACT

This research was a development research in chemical education. The aims of this research were to improve arrangement of learning media based on the *SMS Gateway* and the chemistry study media quality of vocational school class XI semester I based on evaluation reviewer.

The development model of this research was procedural model, the characteristic of this model was descriptive, describe the steps that must be followed to produce a product. The early product had been reviewed and suggested by supervisor lectures, media expert, material expert, peer reviewer, and than had been revised. The revised product was evaluated and reviewed by five chemistry teachers in vocational school using evaluation instrument based on SMS Gateway. The instrument contained 4 aspect, which are the truth, broad and depth of concept aspect; the linguistic aspect; the performance aspect; and the implementation aspect. The results of the evaluation were skores, then they were tabulated and analyzed by criteria guidelines of ideal avaluation category. The analysis result was used to decide the quality of SMS Gateway as instructional media. Suggestion from the reviewers was used to revise the evaluated product which is the product.

Product of this research was a instructional media based on the SMS Gateway for chemistry matter of vocational school class XI semester I. Based on the evaluation from the five chemistry teachers invocational school, the mean score of the product was 52.2 from maximum score 65, which obtained the ideal percentage of 80.31%. Chemistry instructional media based on the SMS Gateway had a good quality, so it can be used to as learning sources.

Key words: chemistry learning media, SMS Gateway, chemistry matter of vocational school