

**PENGEMBANGAN MEDIA PEMBELAJARAN BERBASIS SMS
GATEWAY UNTUK MATERI KIMIA SMK
KELAS XII SEMESTER II**

Oleh:

**RATNA INDRIANI
09303246003**

**Pembimbing Utama: Rr. Lis Permana Sari, M.Si
Pembimbing Pendamping: Erfan Priyambodo, M.Si**

ABSTRAK

Penelitian ini merupakan penelitian pengembangan media pembelajaran berbasis *SMS Gateway* untuk materi kimia SMK kelas XII Semester II. Tujuan penelitian ini adalah untuk mengembangkan media pembelajaran berbasis *SMS Gateway* dan kualitas media pembelajaran kimia SMK Kelas XII Semester II berdasarkan penilaian *reviewer*.

Model pengembangan yang digunakan adalah model prosedural yaitu model yang bersifat diskriptif, langkah-langkah yang harus diikuti untuk menghasilkan produk. Produk awal ditinjau dan diberi masukan oleh dosen pembimbing dan mendapat masukan dari ahli media, ahli materi, *peer reviewer*, dan selanjutnya dilakukan revisi. Produk revisi dinilai dan diberi masukan oleh lima orang guru kimia SMK dengan menggunakan instrumen penilaian media pembelajaran kimia berbasis *SMS Gateway* ini. Instrumen penilaian media pembelajaran kimia berbasis *SMS Gateway* berisi 4 aspek penilaian yaitu kebenaran, keluasaan dan kedalaman konsep, kebahasaan, tampilan dan keterlaksanaan. Instrumen terdiri dari 13 kriteria penilaian. Hasil penilaian yang berupa skor kemudian ditabulasi dan dianalisis dengan pedoman kriteria katagori penilaian ideal untuk menentukan kualitas media pembelajaran kimia berbasis *SMS Gateway*. Masukan dari *reviewer* digunakan untuk merevisi produk yang akan dinilai sehingga diperoleh produk akhir yang terstandarkan.

Hasil penelitian ini adalah media pembelajaran berbasis *SMS Gateway* untuk materi kimia SMK kelas XII Semester II yang berupa *print out*. Media pembelajaran yang dikembangkan mempunyai kualitas Baik (B) dengan perolehan skor rata-rata keseluruhan aspek sebesar 51,2 dari skor maksimal keseluruhan media 65. Persentase keidealan sebesar 78,77 % sehingga media pembelajaran ini dapat digunakan sebagai sumber belajar mandiri siswa SMK.

Kata Kunci : media, *SMS Gateway* dan kimia SMK

**THE DEVELOPMENT OF CHEMISTRY LEARNING MEDIA BASED ON
THE *SMS GATEWAY* FOR CHEMISTRY MATTER OF VOCATIONAL
SCHOOL CLASS XII SEMESTER II**

By:

**RATNA INDRIANI
09303246003**

**Supervisor: Rr. Lis Permana Sari, M.Si
Co-Supervisor: Erfan Priyambodo, M.Si**

ABSTRACT

The research was a development research of learning media based on the *SMS Gateway* for chemistry matter of vocational school class XII semester II. The aims of this research were to improve process of learning media based on the *SMS Gateway* and the chemistry study media quality of vocational school class XII semester II based on evaluation reviewer.

The development model in this research was procedural model. The characteristic of this model was descriptive, describe the step that which must be followed in producing the product. The early product was observed and suggested by supervisor lecturers, media and material expert, peer reviewer, and then was revised. The revised product was evaluated and reviewed by 5 chemistry teacher in vocational school, using the evaluation instrument of the learning media based on the *SMS Gateway*. The instrument contained 4 aspect of evaluation i.e the correctness of the concept, the width and the depth of the concept, the language, the appearance and the feasibility. The instrument considered of 13 criteria of evaluation. The scores were tabulated and analyzed by criterion guidelines of the ideal evaluation category to determine the quality of the learning media based on the *SMS Gateway*. Suggestions from the reviewers were used to revise the evaluated product so it became the standardized of final product.

The result of this research was the chemistry learning media based on the *SMS Gateway* for chemistry matter of vocational school class XII semester II in the form of print out. The media had a good quality with the average scores was 51.2 from all of maximum scores of the media which were 65. The ideal percentage was in the amount 78.77 %. so this learning media based on the *SMS Gateway* can be used as the independent learning sources for the student of vocational school.

Keyword : media, *SMS Gateway* dan chemistry of vocational school