

ABSTRAK

MUTIA DESI : Pengembangan Media Buletin Sebagai Bahan Ajar Alternatif Pada Pembelajaran Kimia Kelas XI SMA/MA. **Program Studi Pendidikan Kimia FKIP Universitas Malikussaleh, 2025.**

Penelitian ini merupakan penelitian dan pengembangan yang bertujuan untuk mengetahui kevalidan, kelayakan, dan respon media buletin sebagai bahan ajar alternatif pada pembelajaran kimia kelas XI SMA/MA.

Penelitian ini menggunakan jenis Metode R&D dengan menggunakan prosedur pengembangan Borg and Gall, dimana model ini dimodifikasi menjadi 7 tahapan yaitu (1) *Research and information collecting*, (2) *Planning*, (3) *Develop preliminary form of product*, (4) *Preliminary field testing*, (5) *Main product revision*, (6) *Main field testing*, (7) *Operational product revision*. Subjek pada penelitian dan pengembangan ini adalah 1 orang guru kimia dan 20 peserta didik di SMA Negeri 6 Lhokseumawe. Teknik pengumpulan yang digunakan adalah observasi, wawancara, dan angket.

Hasil dari penelitian ini adalah (1) diperoleh hasil uji validitas dari validator ahli media memperoleh persentase sebesar 85,32 % dan ahli materi memperoleh persentase 92 % dengan kategori “Sangat Valid”. (2) Uji kelayakan guru SMAN 6 Lhokseumawe memperoleh persentase rata-rata 96,64 % dengan kategori “sangat layak”. (3) Persentase rata-rata respon peserta didik SMAN 6 Lhokseumawe diperoleh sebesar 77% dengan kategori “Sangat Baik”. Maka dapat disimpulkan bahwa media buletin sebagai bahan ajar alternatif sangat valid dan sangat layak untuk digunakan dalam pembelajaran kimia.

Kata kunci: Pengembangan, Borg and Gall, Buletin, Bahan Ajar, Stokiometri, Hidrokarbon, Minyak bumi, dan Termokimia

ABSTRACT

MUTIA DESI: Development of Bulletin Media as Alternative Teaching Material in Chemistry Learning for Grade XI of Senior High School/Vocational High School. **Chemistry Education Study Program, FKIP, Malikussaleh University, 2025.**

This research is a research and development that aims to determine the validity, feasibility, and response of bulletin media as an alternative teaching material in chemistry learning for class XI SMA/MA.

This study uses the R&D method type using the Borg and Gall development procedure, where this model is modified into 7 stages, namely (1) Research and information collecting, (2) Planning, (3) Develop preliminary form of product, (4) Preliminary field testing, (5) Main product revision, (6) Main field testing, (7) Operational product revision. The subjects in this research and development were 1 chemistry teacher and 20 students at SMA Negeri 6 Lhokseumawe. The collection techniques used were observation, interviews, and questionnaires.

The results of this study are (1) the results of the validity test obtained from the media expert validator obtained a percentage of 85.32% and the material expert obtained a percentage of 92% with the category "Very Valid". (2) The feasibility test of SMAN 6 Lhokseumawe teachers obtained an average percentage of 96.64% with the category "very feasible". (3) The average percentage of student responses at SMAN 6 Lhokseumawe was obtained at 77% with the category "Very Good". So it can be concluded that the bulletin media as an alternative teaching material is very valid and very feasible to be used in chemistry learning.

Keywords: Development, Borg and Gall, Bulletin, Teaching Materials, Stoichiometry, Hydrocarbons, Petroleum, and Thermochemistry