

THE DEVELOPMENT OF MOODLE BASED E-LEARNING ASSESSMENT ON THE THERMOCHEMICAL TOPIC

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ABSTRACT

This study aims to make *website* for *Moodle* based *e-learning* assessment on the Thermochemical topic and determine the quality of the *website* for *Moodle* based *e-learning* assessment based on an assessment of five high school chemistry teachers and 25 students in Sleman as the test subjects.

This research was conducted using ADDIE development model. Development stage consists of five stages, i.e. the stage of analysis, design, development, implementation, and evaluation. The implementation phase is limited to 25 students from five high school. The initial products are rated by subject matter experts and media experts for feedback / suggestions as consideration to first revision. Product result of the first revision then assessed to five high school chemistry teacher as *reviewers* and 25 students as the target test. Results of the assessment of the *reviewers* and *the* students then analyzed and revisions II were done based on the input / advice given by *reviewers* and students, in order to obtain the final product.

The result of this development research successfully developed a *website* for *Moodle* based *e-learning* assessment on the Thermochemical topic for students XI grade of high school which developed through five phases, i.e. *analyze, design, development, implementation, and evaluation*. The quality of *website* for *Moodle* based *e-learning* assessment on the Thermochemical topic *according to the* assessment of five high school chemistry teacher as *reviewesr* of the five aspects assessed obtain final mean score of 4.46, which is located within the range of scores > 4.206, thus included in the criteria Excellent (Sangat Baik - SB). Based on the assessment of 25 students as test subject of four aspects assessed to obtain a final average score of 4.46, which lies within the range of > 4,206, which is covered in the criteria of Excellent (SB). Thus the resulting product fit for use in the learning activities for students, especially XI grade high school, as this product gets ratings, both from *reviewers* and students with criteria Excellent (SB).

Kata Kunci: *assessment, e-learning, Moodle, Thermochemistry*