

## ABSTRAK

**Apri Tarida Naibaho. NIM 4153321003. Desain Evaluasi Hasil Belajar Siswa Menggunakan *Computer Based Test (CBT)* pada Materi Pokok Elastisitas dan Hukum Hooke di SMA Negeri 2 Percut Sei Tuan.**

Penelitian ini bertujuan untuk mendesain media pembelajaran *computer based test (CBT)* berbasis *Moodle* yang memenuhi tingkat kelayakan media pembelajaran pada materi pokok Elastisitas dan Hukum Hooke. Metode penelitian menggunakan model pengembangan 4D (*four D model*) dari Thiagarajan. Adapun tahapan yang akan digunakan terdiri dari tiga tahap, yaitu: a) pendefinisian (*define*), b) perancangan (*design*), c) pengembangan (*develop*), dan d) tahap penyebaran (*disseminate*). Pelaksanaan penelitian ini dilakukan uji terbatas skala kecil dan dilaksanakan hingga sampai tahapan *design*, dikarenakan keterbatasan waktu dalam pelaksanaan penelitian ini. Tahap *define* dilakukan untuk analisis kebutuhan siswa melalui observasi dan wawancara, membuat tujuan serta merumuskan konsep CBT. Sebelum diujicobakan pada siswa, instrumen soal terlebih dahulu divalidasi oleh pakar validasi materi dan validasi ramalan. Sampel pengujian media dalam penelitian ini adalah siswa SMA Negeri 2 Percut Sei Tuan. *Computer Based Test* berbasis *moodle* dinyatakan layak berdasarkan hasil validasi materi secara keseluruhan 85% dengan kategori sangat baik, hasil validasi ahli media secara keseluruhan sebesar 87% dengan kategori sangat baik. Ini membuktikan bahwa penerapan CBT sangat banyak memiliki keuntungan dan CBT sangat efektif digunakan dalam pemberian evaluasi kepada siswa.

**Kata Kunci :** evaluasi hasil belajar, *LMS Moodle*, tes



## ABSTRACT

**Apri Tarida Naibaho. NIM 4153321003. Design of Evaluation of Student Learning Outcomes Using a Computer Based Test (CBT) on the Subject Material of Elasticity and Hooke's Law at SMA Negeri 2 Percut Sei Tuan.**

This study aims to design a Moodle-based computer based test (CBT) learning media that meets the feasibility level of learning media on the subject matter of Elasticity and Hooke's Law. The research method uses the 4D development model (four D model) from Thiagarajan. The stages that will be used consist of three stages, namely: a) define, b) design, c) develop, and d) disseminate. The implementation of this research was carried out by a small-scale limited test and carried out until it reached the design stage, due to time constraints in carrying out this research. The define stage is carried out to analyze student needs through observation and interviews, making goals and formulating CBT concepts. Before being tested on students, the instrument questions were first validated by material validation experts and forecast validation. The sample for testing the media in this study were students of SMA Negeri 2 Percut Sei Tuan. The moodle-based Computer Based Test was declared feasible based on the results of the overall material validation of 85% in the very good category, the results of the media expert validation as a whole were 87% in the very good category. This proves that the application of CBT has many advantages and CBT is very effective in providing evaluations to students.

Keywords: evaluation of learning outcomes, LMS Moodle, test

