

## ABSTRAK

Delvi Yolanda Dyastari. 2022. Pengembangan Elektronik Modul Stoikiometri (EMTRI) Berbasis *Book Creator* Untuk Peserta Didik Kelas X. Skripsi, Program Studi Pendidikan Kimia, Fakultas Keguruan dan Ilmu Pendidikan, Universitas Maritim Raja Ali Haji Tanjungpinang. Pembimbing Skripsi: Inelda Yulita, S.Pd., M.Pd dan Hilfi Pardi, S.Si., M.Si

**Kata Kunci:** 1) *Book Creator*; 2) Modul Elektronik; 3) Stoikiometri

Permasalahan yang dihadapi selama proses pembelajaran di kelas X IPA SMA Negeri 4 Tanjungpinang adalah bahan ajar yang kurang efektif, kurang menarik, sulit memahami materi pembelajaran, dan hasil belajar yang kurang maksimal pada materi stoikiometri. Pengembangan bahan ajar berupa modul elektronik berbasis *Book Creator* pada materi stoikiometri merupakan salah satu solusi yang dapat dilakukan guna meningkatkan minat belajar dan pemahaman peserta didik. Penelitian ini bertujuan untuk mengetahui pengembangan elektronik modul stoikiometri berbasis *Book Creator*, mengetahui validitas, dan praktikalitas elektronik modul stoikiometri berbasis *Book Creator*. Penelitian ini menggunakan model *Research and Development* (R&D), dengan model ADDIE yaitu *Analysis* (analisis), *Design* (perancangan), *Development* (pengembangan), *Implementation* (penerapan) dan *Evaluation* (penilaian). Pada tahap evaluasi tidak mencapai proses evaluasi sumatif, hanya mencapai evaluasi formatif guna menyempurnakan produk yang dikembangkan. Sumber data pada penelitian ini berasal dari dua orang dosen, dua orang pendidik, dan 25 peserta didik SMA Negeri 4 Tanjungpinang. Hasil validasi ahli media memperoleh persentase 92,81% dengan kriteria sangat valid dan hasil validasi ahli materi memperoleh persentase 95,83% dengan kriteria sangat valid. Hasil praktikalitas pendidik memperoleh persentase 90,24% dengan kriteria sangat praktis dan hasil praktikalitas peserta didik memperoleh persentase 88,24% dengan kriteria sangat praktis. Berdasarkan hasil penelitian dapat disimpulkan bahwa elektronik modul stoikiometri berbasis *Book Creator* valid, praktis, dan layak digunakan dalam pembelajaran.

## ABSTRACT

Delvi Yolanda Dyastari. 2022. Development of Electronic Stoichiometry Module (EMTRI) Based on Book Creator for Class X Students. Thesis, Chemistry Education Study Program, Faculty of Teacher Training and Education , Raja Ali Haji Tanjungpinang Maritime University. Thesis Advisor: Inelda Yulita, S.Pd., M.Pd and Hilfi Pardi, S.Si., M.Si

**Keywords: 1) Book Creator; (2) Electronic Module; 3) Stoichiometry**

The problem encountered during the learning process in class X MIPA SMA Negeri 4 Tanjungpinang are less effective teaching materials, less interesting, difficult understood the learning material, and learning results less than maximal in stoichiometry material. Development of teaching materials electronic modules based book creator in stoichiometry material is one solution that can be done to increase students interest to learn and students understanding. This study aims to determine the development of electronic stoichiometry module based book creator, determine the validity, and practicality of electronic stoichiometry module based book creator. This study used the Research and Development (R&D), with the ADDIE model is Analysis, Design, Development, Implementation, and Evaluation. The evaluation stage, it does not reach the summative evaluation process, it only reaches the formative evaluation in order to perfect the product developed. Source of data from this study came from two lecturers, two teacher, and 25 student of SMA Negeri 4 Tanjungpinang. The result of validation media expert is 92.81% with very valid criteria and result of validation material expert 95.83% with very valid criteria. The result of practicality teacher is 90.24% with very practical criteria and result of practicality students is 88.24% with very practical criteria. Based on the result research could be conclude that the electronic stoichiometry module based book creator is valid, practical, and feasible to used in learning.