ABSTRAK

Angela Dyah Ayu Mustika Putri. 2024. *Pengembangan E-Handout Berbasis Pendekatan Contextual Teaching and Learning Berbantuan Aplikasi Canva Pada Materi Perubahan Lingkungan Kelas X SMA/MA.* Skripsi. Program Studi Pendidikan Biologi, FKIP, Universitas PGRI Madiun. Pembimbing (I) Sri Utami, S.Pd., M.Pd. , (II) Ir. Ani Sulistyarsi MM., M.Si.

Penelitian ini dilakukan karena masih banyak guru yang membutuhlan contoh-contoh bahan ajar berbasis pendekatan kontekstual yang dapat digunakan dalam proses pembelajaran di era modern. Tujuan utama dari penelitian ini yaitu untuk menghasilkan sebuah produk bahan ajar berupa *e-handout* berbasis pendekatan Contextual Teaching and Learning (CTL) berbantuan aplikasi canva pada materi perubahan lingkungan kelas X SMA/MA. Penelitian ini adalah jenis penelitian pengembangan (R&D) dengan menggunakan lima langkah model pengembangan ADDIE, yaitu 1) *Analyze*, 2) *Design,* 3) *Development,* 4) *Implementation,* 5) *Evaluation.* Teknik pengambilan data yang digunakan yaitu wawancara, observasi, dan kuesioner. Analisis data kualitatif dan kuantitatif dilakukan dengan menggunakan skala Likert. Hasil penelitian menunjukkan bahwa validasi materi dengan nilai rata-rata 88 (sangat valid) dan validasi media dengan nilai rata-rata 93 (sangat valid). Respons angket peserta didik sebesar 82 dengan kategori sangat layak. Maka, *e-handout* berbasis pendekatan *Contextual Teaching and Learning* (CTL) berbantuan aplikasi Canva pada materi Perubahan Lingkungan dinyatakan sangat valid dan layak untuk digunakan dalam proses pembelajaran.

Kata kunci: Bahan Ajar, *E-Handout*, Pendekatan *Contextual Teaching and Learning* (CTL)

ABSTRACT

Angela Dyah Ayu Mustika Putri. 2024. *Development of E-Handout Based on Contextual Teaching and Learning Approach Assisted by Canva Application on Environmental Change Material for Class X SMA/MA*. Thesis. Biology Education Study Program, FKIP, Universitas PGRI Madiun. Supervisor (I) Sri Utami, S.Pd., M.Pd., (II) Ir. Ani Sulistyarsi MM., M.Si.

This research was conducted because there are still many teachers who need examples of teaching materials based on a contextual approach that can be used in the learning process in the modern era. The main objective of this research is to produce a teaching material product in the form of an e-handout based on the Contextual Teaching and Learning (CTL) approach assisted by the Canva application on environmental change material for class X SMA/MA. This research is a type of development research (R&D) using the five steps of the ADDIE development model, namely 1) Analyze, 2) Design, 3) Development, 4) Implementation, 5) Evaluation. The data collection techniques used were interviews, observations, and questionnaires. Qualitative and quantitative data analysis was carried out using a Likert scale. The results showed that material validation with an average score of 88 (very valid) and media validation with an average score of 93 (very valid). The students' questionnaire response was 82 with a very feasible category. So, the e-handout based on the Contextual Teaching and Learning (CTL) approach assisted by the Canva application on Environmental Change material is declared very valid and suitable for use in the learning process.

Keywords: *Teaching Materials, E-Handout, Contextual Teaching and Learning (CTL) Approach.*