

ABSTRAK

Adisaputra. 2025. *Pengembangan E-LKPD Interaktif Didukung Kasus Kemaritiman Berbantuan Google Sites Pada Materi Termokimia*. Skripsi. Tanjungpinang: Program Studi Pendidikan Kimia, Fakultas Keguruan dan Ilmu Pendidikan, Universitas Maritim Raja Ali Haji. Pembimbing I: Assist. Prof. Rita Fitriani, S.Pd., M.Pd. Pembimbing II: Assist. Prof. Inelda Yulita, S.Pd., M.Pd.

Kata kunci: E-LKPD Interaktif, Kasus Kemaritiman, Termokimia

Guru mata pelajaran kimia masih menggunakan bahan ajar cetak yang menekankan penyampaian materi secara konseptual tanpa menyertakan konteks keseharian peserta didik. Secara khusus, konteks lokal wilayah Kepulauan Riau yang memiliki potensi maritim belum dikaitkan dengan pembelajaran kimia. Oleh sebab itu, dilakukan pengembangan E-LKPD interaktif didukung kasus kemaritiman berbantuan *google sites* pada materi termokimia. Penelitian ini bertujuan untuk menghasilkan bahan ajar E-LKPD interaktif yang didukung kasus kemaritiman berbantuan *Google Sites* pada materi termokimia. Penelitian ini adalah jenis penelitian R&D yang menggunakan model ADDIE (*Analysis, Design, Development, Implementation, and Evaluation*). Bahan ajar yang dihasilkan divalidasi oleh seorang ahli materi dan seorang ahli media. Subjek penelitian ini adalah guru kimia dan 27 peserta didik di SMA Negeri 5 Tanjungpinang kelas XI.3. Hasil penelitian menunjukkan bahwa pengembangan bahan ajar E-LKPD interaktif didukung kasus kemaritiman berbantuan *Google Sites* pada materi termokimia berdasarkan pada penilaian uji ahli materi dan ahli bahan ajar adalah sebesar 93,21% dan sebesar 92,5% dengan kriteria sangat valid. Persentase praktikalitas pada guru dan peserta didik terhadap produk bahan ajar sebesar 95,83% dan 96,24% dengan kriteria sangat praktis. Hasil ini menunjukkan bahan ajar yang dikembangkan dan dihasilkan memperoleh kriteria sangat layak untuk digunakan dalam pembelajaran.

ABSTRACT

Adisaputra. 2025. *Development of Interactive E-LKPD Supported by Maritime Cases Assisted by Google Sites on Thermochemistry Material*. Thesis. Tanjungpinang: Chemistry Education Study Program, Faculty of Teacher Training and Education, Raja Ali Haji Maritime University. Advisor: Assist. Prof. Rita Fitriani, S.Pd., M.Pd. Co-advisor: Assist. Prof. Inelda Yulita, S.Pd., M.Pd.

Keywords: Interactive E-LKPD, Maritime Cases, Thermochemistry

Chemistry teachers still use printed teaching materials that emphasize the delivery of material conceptually without including the daily context of students. In particular, the local context of the Riau Islands region which has maritime potential has not been linked to chemistry learning. Therefore, the development of interactive E-LKPD supported by maritime cases assisted by Google Sites on thermochemistry material was carried out. This study aims to produce interactive E-LKPD teaching materials supported by maritime cases assisted by Google Sites on thermochemistry material. This study is a type of R&D research using the ADDIE (Analysis, Design, Development, Implementation, and Evaluation) model. The teaching materials produced were validated by a material expert and a media expert. The subjects of this study were two chemistry teachers and 27 students at SMA Negeri 5 Tanjungpinang class XI.3. The results of the study showed that the development of interactive E-LKPD teaching materials supported by maritime cases assisted by Google Sites on thermochemistry material based on the assessment of material experts and teaching material experts was 93.21% and 92.5% with very valid criteria. The percentage of practicality in teachers and students towards teaching material products was 95.83% and 96.24% with very practical criteria. These results indicate that the teaching materials developed and produced obtained very feasible criteria for use in learning.