ABSTRAK

Syahfitri, Rahmaini. 2025. *Pengembangan Media Pembelajaran Interaktif Berbasis Discovery Learning Berbantuan Articulate Storyline 3 pada Materi Ikatan Kimia*. Skripsi, Tanjungpinang: Program Studi S1 Pendidikan Kimia, Fakultas Keguruan dan Ilmu Pendidikan, Universitas Maritim Raja Ali Haji, Pembimbing I: Assist. Prof. Inelda Yulita, S.Pd., M.Pd. Pembimbing II: Assist. Prof. Eko Febri Syahputra Siregar, M.Pd.

Kata Kunci: Media Pembelajaran Interaktif, *Discovery Learning, Articulate Storyline 3*, Ikatan Kimia.

Dalam dunia pendidikan modern yang terus berkembang dengan pesatnya teknologi dan kebutuhan peserta didik, penggunaan media pembelajaran bukan lagi sekadar alat bantu, melainkan komponen penting dalam menciptakan pengalaman belajar yang menyenangkan dan bermakna. Pengembangan media pembelajaran interaktif menggunakan sintaks model *discovery learning* pada materi ikatan kimia dilatarbelakangi oleh terbatasnya penggunaan media pembelajaran yang masih berupa *PowerPoint* dan animasi yang bersifat umum, selain itu peserta didik kurang fokus dan pasif dalam pembelajaran, hal ini menyebabkan tingkat pemahaman peserta didik terhadap materi ikatan kimia belum optimal. Penelitian ini bertujuan untuk menghasilkan media pembelajaran interaktif menggunakan sintaks model *discovery learning* pada materi ikatan kimia yang layak digunakan dalam proses pembelajaran. Jenis penelitian yang digunakan adalah *Research and development* (R&D) dengan menerapkan model pengembangan ADDIE. Subjek penelitian ini meliputi dua validator ahli materi dan ahli media, satu orang guru, 31 orang peserta didik kelas XI Kimia 1, dan 22 orang peserta didik kelas XI Kimia 2 di SMA Negeri 7 Tanjungpinang. Hasil validasi materi dan validasi media pada produk memperoleh nilai sebesar 86,30% dan 87,36% dengan kriteria sangat valid. Hasil uji praktikalitas guru dan peserta didik terhadap produk memperoleh nilai sebesar 97,91% dan 91,95% dengan kriteria sangat praktis. Sedangkan hasil uji efektivitas media memperoleh hasil skor *N-Gain* sebesar 93,35% dengan kriteria sangat efektif. Berdasarkan hasil penelitian, dapat disimpulkan bahwa media pembelajaran interaktif berbasis *discovery learning* berbantuan *articulate storyline 3* pada materi ikatan kimia sangat layak untuk diterapkan dalam pembelajaran kimia.

ABSTRACT

Syahfitri, Rahmaini. 2025. *Development of Interactive Learning Media Based on Discovery Learning Assisted by Articulate Storyline 3 on Chemical Bonding Material*. Thesis, Tanjungpinang: Chemistry Education Study Program, Faculty of Teacher Training and Education, Raja Ali Haji Maritime University, Advisor: Assistant Professor Inelda Yulita, S.Pd., M.Pd. Co-advisor: Assistant Professor Eko Febri Syahputra Siregar, M.Pd.

Keywords: Interactive learning media, Discovery Learning, Articulate Storyline 3, Chemical Bonding.

In the modern world of education that continues to develop with the rapid pace of technology and the needs of students, the use of learning media is no longer just a tool, but an important component in creating a fun and meaningful learning experience. The development of interactive learning media using the syntax of the discovery learning model in chemical bonding material is motivated by the limited use of learning media, which are still in the form of PowerPoint and general animations. Additionally, students are less focused and passive in learning, resulting in suboptimal understanding of chemical bonding material. This study aims to produce interactive learning media using the discovery learning model syntax on chemical bonding material that is suitable for use in the learning process. The type of research used is Research and Development (R&D) by applying the ADDIE development model. The research subjects include two subject matter experts and media experts, one teacher, 31 students from Class XI Chemistry 1, and 22 students from Class XI Chemistry 2 at SMA Negeri 7 Tanjungpinang. The results of the material validation and media validation of the product obtained scores of 86,30% and 87,36%, respectively, with the criteria of highly valid. The results of the practicality test by teachers and students on the product obtained scores of 97,91% and 91,95%, respectively, with the criteria of highly practical. Meanwhile, the results of the media effectiveness test yielded an N-Gain score of 93,35%, meeting the criteria for highly effective. Based on the research findings, it can be concluded that the interactive learning media based on discovery learning assisted by Articulate Storyline 3 for chemistry bonding material is highly suitable for implementation in chemistry education.