

## ABSTRAK

### PENGEMBANGAN MEDIA PEMBELAJARAN INTERAKTIF BERBASIS WEBSITE PADA MATERI SISTEM IMUN KELAS XI

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Pembelajaran dapat dikatakan berhasil apabila hasil belajar yang diperoleh siswa mendapatkan hasil yang baik sesuai dengan nilai KKM. Berdasarkan wawancara terkait analisis kebutuhan yang dilakukan di enam sekolah SMA yang berada di Daerah Istimewa Yogyakarta, ditemukan permasalahan yang perlu ditindaklanjuti yaitu hasil belajar yang kurang baik pada materi sistem imun kelas XI. Salah satu faktor yang mempengaruhi masalah tersebut adalah media pembelajaran yang digunakan oleh guru saat kegiatan belajar mengajar. Oleh karena itu, dibutuhkan variasi media pembelajaran yang bisa digunakan dalam pembelajaran yang dilaksanakan secara *blended learning*. Penelitian ini bertujuan untuk mengembangkan media pembelajaran interaktif berbasis website pada materi sistem imun.

Penelitian ini menggunakan metode RND (*Research and Development*) dengan jenis model ADDIE. Model ADDIE yang dilakukan pada penelitian ini hanya 3 langkah dari 5 langkah penelitian yaitu *Analysis, Design, dan Development*. Dalam mengembangkan produk berupa media pembelajaran peneliti menggunakan bantuan *software lectora inspire 18*. Produk yang dihasilkan pada penelitian ini adalah media pembelajaran interaktif berbasis website pada materi sistem imun kelas XI.

Berdasarkan hasil validasi produk oleh validator didapatkan nilai rata-rata pada validasi media sebesar 87,2% sedangkan nilai rata-rata pada validasi materi sebesar 84,6% sehingga didapatkan keseluruhan hasil rata-rata akhir validasi sebesar 85,9 % dan termasuk dalam kategori “Sangat Tinggi”. Dengan demikian disimpulkan bahwa media pembelajaran interaktif berbasis website yang dikembangkan layak untuk diujicoba secara terbatas setelah dilakukan revisi sesuai saran validator.

**Kata Kunci :** *Media Pembelajaran, Research and Development, Lectora Inspire, Sistem Imun*

**ABSTRACT**

**DEVELOPMENT OF WEBSITE BASED INTERACTIVE LEARNING  
MEDIA IMMUNE SYSTEM MATERIAL FOR 11<sup>th</sup> GRADE STUDENTS**

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*Learning could be said to be successful if the learning outcomes obtained by students got good results in accordance with the KKM value. Based on interviews related to needs analysis conducted in six senior high school schools in the Special Region of Yogyakarta, it was found that problems that needed to be followed up were poor learning outcomes in class XI immune system materials. One of the factors that could affect the learning process was the learning media used by teachers during teaching and learning activities. Therefore, it took a variety of learning media that could be used in learning that was carried out by blended learning. This study aimed to develop a website-based interactive learning media on immune system material.*

*This study used the RND (Research and Development) method with the type of ADDIE model. The ADDIE model carried out in this study was only 3 steps out of 5 research steps, namely Analysis, Design, and Development. In developing a product in the form of learning media, the researcher used the help of Lectora inspire 18 software. The product produced in this study is a interactive learning media based on a website to teach immune system material for 11<sup>th</sup> grade.*

*Based on the results of product validation by the validator, the average value on media validation was 87.2% while the average value on material validation was 84.6% so the overall average result of the final validation was 85.9% and included in the "Very High" category. Thus the conclusion that could be drawn was that the website-based interactive learning media developed feasible to tested on a limited basis after revisions had been made according to the validator's suggestions.*

*Keywords: Learning Media, Research and Development, Lectora Inspire, Immune System*