

ABSTRAK

PENGEMBANGAN MEDIA PEMBELAJARAN BERBASIS PERMAINAN SNAKES AND LADDERS BERBANTUAN APLIKASI BERBASIS WEB GENIAL.LY PADA MATERI SISTEM PERTAHANAN TUBUH KELAS XI SMA

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Keberhasilan proses pembelajaran ditentukan oleh beberapa unsur pembelajaran itu sendiri, salah satunya media pembelajaran. Media pembelajaran merupakan alat yang berfungsi sebagai sarana dalam menyelenggarakan suatu proses pembelajaran guna mencapai tujuan pembelajaran itu sendiri. Berdasarkan hasil wawancara analisis kebutuhan yang dilaksanakan di 4 SMA di Daerah Istimewa Yogyakarta dan 1 SMA di Sulawesi Selatan, ditemukan bahwa materi ajar sistem pertahanan tubuh mengalami kendala dalam pelaksanaannya. Tujuan dari penelitian dan pengembangan ini adalah untuk mengetahui bagaimana bentuk dan kelayakan dari media ajar berbasis permainan *Snakes and Ladders* berbantuan aplikasi berbasis web *Genial.ly* pada materi Sistem Pertahanan Tubuh kelas XI SMA dalam proses pembelajaran.

Penelitian ini menggunakan metode *Research and Development* (R&D) dengan pendekatan *ADDIE* (*Analysis, Design, Development, Implementation, and Evaluation*) yang dikembangkan oleh Branch. Adanya keterbatasan waktu pelaksanaan penelitian, menyebabkan penelitian ini hanya dilakukan hingga tahap *development* (pengembangan). Tahap pengembangan sendiri diakhiri dengan validasi dan revisi produk. Produk penelitian dan pengembangan ini divalidasi oleh dua orang validator, yaitu validator materi dan validator media. Data hasil validasi selanjutnya diolah menggunakan metode analisis kuantitatif dan kualitatif.

Perolehan skor rata-rata dari validasi kedua validator adalah sebesar 3,23 dan produk masuk ke kategori “Baik”. Kesimpulan dari validator materi dan validator media terhadap media pembelajaran berbasis permainan *Snakes and Ladders* untuk materi Sistem Pertahanan Tubuh kelas XI SMA bahwa media ini layak diujicobakan dengan adanya perbaikan/revisi.

Kata kunci: *R&D*, media pembelajaran, *Snakes and Ladders*, *Genial.ly*, sistem pertahanan tubuh, kelas XI SMA

ABSTRACT

***THE DEVELOPMENT OF SNAKES AND LADDERS GAMES-BASED
LEARNING MEDIA WITH THE ASSISTED OF GENIAL.LY WEB-BASED
APPLICATION ABOUT BODY'S IMMUNE SYSTEM MATERIAL FOR
ELEVENTH GRADE HIGH SCHOOL***

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The success of the learning process is determined by several elements of the learning itself, one of which is learning media. Learning media is a tool that functions as a means of organizing a learning process in order to achieve the learning objectives themselves. Based on the results of needs analysis interviews conducted at 4 Senior High School in the Special Region of Yogyakarta province and 1 Senior High School in South Sulawesi province, it was found that the Body's Immune System teaching material experienced problems in its implementation. The purpose of this research and development is to find out how the form and feasibility of Snakes and Ladders game-based learning media with the assisted of Genial.ly web-based application about body's immune system material for eleventh grade high school in the learning process.

The study used the Research and Development (R&D) method with the ADDIE (Analysis, Design, Development, Implementation, and Evaluation) approach developed by Branch. Due to limited time of research implementation, this research was only conducted up to development stage. The development stage itself ends with product validation and revision. The research and development product is validated by two validators, namely material validator and media validator. Data validation results are then processed using quantitative and qualitative analysis methods.

The average score obtained from validation of the two validators was 3,23 and the product entered the "Good" category. The conclusion of the material expert and media expert on the Snakes and Ladders game-based learning media for the Body's Immune System material for eleventh grade is that media is feasible to try out with a number of revisions.

Keywords: *R&D, learning media, Snakes and Ladders, Genial.ly, the body's immune system, eleventh grade high school*