

ABSTRAK

PENGEMBANGAN MODEL PEMBELAJARAN *PROBLEM BASED LEARNING* BERBASIS *BLENDED LEARNING* TERINTEGRASI *E-LEARNING* JOGJABELAJAR PADA MATERI VIRUS KELAS X

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Hasil analisis kebutuhan empat guru biologi tingkat SMA di Kabupaten Bantul dan Sleman menunjukkan adanya permasalahan pembelajaran. Tantangan tersebut antara lain penurunan aspek kognitif, afektif dan psikomotorik serta materi bersifat kompleks dan abstrak. Salah satu materi pembelajaran yang memiliki sifat kompleks dan abstrak adalah materi virus. Penelitian ini bertujuan untuk mengembangkan dan mengetahui hasil validasi pengembangan perangkat model pembelajaran *Problem Based Learning* berbasis *Blended Learning* terintegrasi *E-Learning* JogjaBelajar pada materi virus kelas X.

Penelitian dan pengembangan menggunakan jenis penelitian *R&D* (*Research dan Development*) dengan model ADDIE (*Analysis, Design, Development, Implementation and Evaluation*). Penelitian ini menggunakan tiga dari lima tahap penelitian, yaitu 1) Analisis (*Analysis*), 2) Perancangan (*Design*), dan 3) Pengembangan (*Development*). Produk yang dikembangkan divalidasi oleh empat validator perangkat pembelajaran. Data penelitian dianalisis menggunakan teknik kualitatif dan kuantitatif. Produk yang dihasilkan dari tahap pengembangan berupa perangkat pembelajaran Silabus dan RPP (Rencana Pelaksanaan Pembelajaran). Hasil validasi produk oleh empat validator menunjukkan nilai rata-rata 3,57 untuk Silabus dan 3,47 untuk RPP dengan kriteria keduanya “Sangat Baik”. Produk Silabus dan RPP yang dirancang layak untuk diuji coba secara terbatas dengan revisi berdasarkan komentar dan saran para validator.

Kata Kunci: Model Pembelajaran, *Problem Based Learning*, *Blended Learning*, Virus, *R &D*.

ABSTRACT

DEVELOPMENT OF PROBLEM BASED LEARNING MODELS BASED BLENDED LEARNING INTEGRATED E-LEARNING JOGJABELAJAR ON CLASS X VIRUS MATERIALS

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The results of the needs analysis of the four senior high school biology teachers in Bantul and Sleman, indicating learning problems. These challenges include the decline in cognitive, affective and psychophysics and materials are complex and abstract. One of the learning materials that has a complex and abstract nature is virus material. This study aims to develop and find out the results of the validation of the development problem based learning models based blended learning integrated e-learning jogjabelajar on class X virus materials.

The research and development activity used the type of R&D (Research and Development) with the ADDIE (Analysis, Design, Development, Implementation, Evaluation). This study uses three of the five research stages namely 1) Analysis, 2) Design, and 3) Development. The product developed was validated by four validators of learning tools. The research is analysed using qualitative and quantitative techniques. The products resulting from the development stage Silabus and RPP (Rencana Pelaksanaan Pembelajaran) that have been validated, revised, and without a limited trial. The results of product validation by four validators showed an average value of 3.57 for the silabus and 3.47 for RPP with both criteria "Very Good". The silabus and RPP that have been designed were feasible to be tested on a limited trials with revisions based on comments and suggestions from the validators.

Keyword : Learning model, Problem based learning, Blended learning, Virus, R&D.