

## ABSTRAK

**Rodiah Ritonga, NIM 4191131020 (2023). Pengaruh Model Pembelajaran *Problem Based Learning* Berbantuan Media Video Animasi Terhadap Peningkatan Hasil Belajar Peserta Didik Pada Materi Larutan Asam Basa.**

Penelitian ini bertujuan untuk mengetahui perbedaan yang signifikan hasil belajar peserta didik yang dibelajarkan menggunakan model pembelajaran *Problem Based Learning* dengan model pembelajaran langsung berbantuan video animasi pada materi larutan asam basa. Subjek penelitian ini adalah peserta didik kelas XI IPA 1 dan peserta didik kelas XI IPA 2 SMA Negeri 7 Medan. Objek pada penelitian ini adalah Media Video Animasi yang akan di validasi oleh 1 Validator ahli media. Langkah-langkah dalam penelitian ini adalah 1) Penelitian dan pengumpulan data awal, 2) Observasi di sekolah SMA Negeri 7 Medan, 3) Perencanaan Penelitian, 4) Uji Validitas Tes terhadap peserta didik kelas XII IPA 5 di SMA Negeri 7 Medan, 5) Uji Kemampuan awal peserta didik kelas XI IPA 1 dan peserta didik kelas XI IPA 2 di SMA Negeri 7 Medan, 6) Memulai penelitian sesuai Rencana Pembelajaran berdasarkan Model Pembelajaran *Problem Based Learning* berbantuan media video animasi pada kelas eksperimen dan penelitian sesuai Rencana Pembelajaran berdasarkan Model Pembelajaran Langsung berbantuan media video animasi pada kelas kontrol di SMA Negeri 7 Medan. Metode penelitian yang digunakan adalah metode kuantitatif dalam bentuk *Quasy Experiment Design* (Eksperimen semu). Hasil penelitian menunjukkan  $t_{hitung} > t_{tabel}$  ( $4,530242 > 1,670649$ ) artinya terdapat perbedaan signifikan rata-rata hasil belajar peserta didik antara kelompok eksperimen dan kontrol sesudah terjadinya perlakuan. Simpulan dalam penelitian ini adalah terdapat perbedaan peningkatan hasil belajar peserta didik pada penggunaan model *Problem Based Learning* berbantuan media video animasi yang lebih baik dibandingkan dengan model pembelajaran langsung berbantuan media video animasi.

Kata kunci : Model Pembelajaran PBL, Video Animasi, Hasil Belajar

## ABSTRACT

**Rodiah Ritonga, NIM 4191131020 (2023). The Effect of Problem Based Learning Model Assisted by Video Animation Media on Increasing Student Learning Outcomes in Acid-Base Solution Material.**

This study aims to determine significant differences in the learning outcomes of students who are taught using the Problem Based Learning learning model with the direct learning model assisted by animated videos on acid-base solution material. The subjects of this study were students of class XI IPA 1 and students of class XI IPA 2 at SMA Negeri 7 Medan. The object of this research is Video Animation Media which will be validated by 1 media expert validator. The steps in this study were 1) Research and initial data collection, 2) Observation at SMA Negeri 7 Medan, 3) Research Planning, 4) Test the Validity of the Test on Class XII IPA 5 students at SMA Negeri 7 Medan, 5) Test Initial ability of students in class XI IPA 1 and students in class XI IPA 2 at SMA Negeri 7 Medan, 6) Starting research according to the Learning Plan based on the Problem Based Learning Learning Model assisted by animated video media in the experimental class and research according to the Learning Plan based on the Media-assisted Direct Learning Model Animated video for the control class at SMA Negeri 7 Medan. The research method used is a quantitative method in the form of Quasy Experiment Design. The results showed  $t_{\text{count}} > t_{\text{table}}$  ( $4.530242 > 1.670649$ ) meaning that there was a significant difference in the average learning outcomes of students between the experimental and control groups after the treatment. The conclusion in this study is that there is a difference in improving student learning outcomes in using the Problem Based Learning model assisted by animated video media which is better than the direct learning model assisted by animated video media.

Keywords: PBL Learning Model, Video Animation, Learning Outcomes

