

## ABSTRAK

**Agus Saka Prasetya, I Gede (2022)**, *Pengaruh Problem Based Learning Berbantuan Multimedia Terhadap Motivasi Belajar dan Berpikir Kritis Mata Pelajaran Kimia SMA*. Tesis, Teknologi Pembelajaran, Program Pascasarjana, Universitas Pendidikan Ganesha.

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*Kata kunci: Problem Based Learning* Berbantuan Multimedia, Motivasi Belajar, Keterampilan Berpikir Kritis.

Penelitian ini bertujuan untuk mendeskripsikan pengaruh pembelajaran *Problem Based Learning* berbantuan multimedia dan pembelajaran *Problem Based Learning* berbantuan LKPD terhadap motivasi belajar dan kemampuan berpikir kritis siswa; mendeskripsikan pengaruh pembelajaran *Problem Based Learning* berbantuan multimedia dan pembelajaran *Problem Based Learning* berbantuan LKPD secara bersama-sama terhadap motivasi belajar siswa; mendeskripsikan pengaruh pembelajaran *Problem Based Learning* berbantuan multimedia dan pembelajaran *Problem Based Learning* berbantuan LKPD terhadap kemampuan berpikir kritis siswa. Penelitian ini menggunakan metode *quasi experiment*. Variabel bebas dalam penelitian ini adalah model *Problem Based Learning* berbantuan multimedia, sedangkan variabel terikat dalam penelitian ini adalah motivasi belajar dan keterampilan berpikir kritis siswa dalam pelajaran kimia. Jumlah sampel dalam penelitian ini adalah 94 orang yang diambil dengan metode *purposive random sampling*. Desain penelitian yang digunakan adalah *pretest-posttest non-equivalent control group design*. Untuk menguji hipotesis, digunakan metode *Multivariate Analysis of Covariate (Mancova)*. Hasil penelitian menunjukkan bahwa: 1) ada perbedaan motivasi belajar dan keterampilan berpikir kritis secara bersama-sama antara siswa yang belajar dengan model pembelajaran PBL berbantuan multimedia dan siswa yang belajar dengan model pembelajaran PBL berbantuan LKPD, 2) terdapat perbedaan motivasi belajar antara siswa yang belajar dengan model pembelajaran PBL berbantuan multimedia dan siswa yang belajar dengan model pembelajaran PBL berbantuan LKPD, dan 3) terdapat perbedaan keterampilan berpikir kritis siswa yang belajar dengan model pembelajaran PBL berbantuan multimedia. Dan siswa yang belajar dengan model pembelajaran PBL berbantuan LKPD.

## **ABSTRACT**

**Agus Saka Prasetya, I Gede (2022)**, *The effect of multimedia-assisted Problem Based Learning on Learning Motivation and Critical Thinking in High School Chemistry subjects*. Thesis, Learning Technology, Post Graduate Study Program, Ganesha University of Education.

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*Keywords: Multimedia-Assisted Problem Based Learning, Learning Motivation, Critical Thinking Skills.*

*This study aims to describe the influence of learning Problem Based Learning for assisting multimedia and learning of Problem Based Learning LKPD-based motivation for learning and critical thinking skills of students; describe the influence of learning Problem Based Learning assistance with multimedia and LKPD Problem Based Learning, together learning about students Learning State-based learning abilities; the influence of LKPD Learning Basemedia Learning Problems with the effects of Learning LKPD Base thinking. This research used a quasi-experiment method. The free variable in this study is the Problem Base Learning for multimedia help, whereas the variables are bound in this study are learning motivation and critical thinking skills of students in chemical lessons. The number of samples in this study were 94 people who were taken using purposive sampling method. The research design used is non-test pretest ?? non-equivalent control group. To test the hypothesis, use the Multivariate Analysis of Covariate (Mancova) method. The results showed that: 1) there is a difference in learning motivation and critical thinking skills together between students who studied with a multimedia-based learning model of PBL-based learning and students who study with LKPD- based learning models, 2) there is a learning difference between students who study with multimedia-based learning models and students who study with LKPD-based learning models, and 3) there is a critical learning model with a PBL-based learning skills. And students who studied with LKPD-based learning model.*