

ABSTRAK

ULVA YULVIANA, 2022, **PENGARUH MODEL *PROBLEM BASED-LEARNING* BERBASIS *FLIPPED CLASSROOM* PENGARUH MODEL *PROBLEM* TERHADAP KEMAMPUAN BERPIKIR KRITIS PESERTA DIDIK PADA SUB KONSEP SISTEM GERAK PADA MANUSIA (Studi Eksperimen di Kelas XI MIPA MA Ansoriyah Tahun Ajaran 2021/2022).** Jurusan Pendidikan Biologi, Fakultas Keguruan dan Ilmu Pendidikan, Universitas Siliwangi Tasikmalaya.

Penelitian ini bertujuan untuk mengetahui pengaruh model *Problem Based-Learning* berbasis *Flipped Classroom* terhadap kemampuan berpikir kritis peserta didik pada sub konsep sistem gerak pada manusia (Studi Eksperimen di Kelas XI MIPA MA Ansoriyah Tasikmalaya Tahun Ajaran 2021/2022). Metode penelitian yang digunakan adalah metode *true exsperiment* dengan menggunakan *pretest posttest only control grup design*. Populasi dari penelitian ini adalah seluruh kelas XI MIPA MA Ansoriyah tahun ajaran 2021/2022. Sampel diambil dengan cara *cluster random sampling* yaitu kelas XI MIPA 2 sebanyak 32 peserta didik dan XI MIPA 3 sebanyak 27 peserta didik MA Ansoriyah. Teknik pengumpulan data dilakukan dengan memberikan soal *pretest* dan soal *posttest* dengan bentuk *essai* sebanyak 20 soal. Teknis analisis data yang digunakan adalah uji *t dependen test*. Berdasarkan analisis data dan pengujian hipotesis menunjukkan bahwa ada pengaruh *model problem based learning* berbasis *flipped classroom* terhadap kemampuan berpikir kritis peserta didik pada sub konsep sistem gerak pada manusia. Pengaruh yang didapatkan signifikan, dapat dilihat dari perolehan data hasil analisis uji *t dependent* dengan nilai Signifikan $0.000 < 0.05$.

Kata Kunci: *Problem Based Learning, Flipped classroom, berpikir kritis*

ABSTRACT

ULVA YULVIANA, 2022, **THE EFFECT OF THE PROBLEM BASED-LEARNING BASED ON FLIPPED CLASSROOM MODEL ON STUDENTS' CRITICAL THINKING SKILLS ON THE SUB-CONCEPT OF THE MOTION SYSTEM IN HUMANS (Experimental Study in Class XI MIPA MA Asoriyah Academic Year 2021/2022)**. Department of Biology Education, Faculty of Teacher Training and Education, Siliwangi University, Tasikmalaya

This study aims to determine the effect of the Problem based learning-based on Flipped classroom model on students' critical thinking skills on the sub-concept of the motion system in humans (Experimental Study in Class XI MIPA MA Ansoriyah Tasikmalaya Academic Year 2021/2022). The research method used is the true experiment method using a pretest-posttest only control group design. The population of this research is all class XI MIPA MA Ansoriyah for the academic year 2021/2022. The sample was taken by cluster random sampling, namely class XI MIPA 2 with 32 students and XI MIPA 3 with 27 students at MA Ansoriyah. The data collection technique was carried out by giving pretest and posttest questions in the form of essays to determine the effect of students' critical thinking skills and the technical data analysis used was a t-test or one sample t-test. Based on data analysis and hypothesis testing, it shows that there is an influence of the flipped classroom-based problem-based learning model on students' critical thinking skills in the sub-concept of the human movement system. The effect obtained is significant, it can be seen from the acquisition of data from the analysis of the dependent t test with a significant value of $0.000 < 0.05$.

Keyword: Based learning model, flipped classroom, critical thinking