

ABSTRAK

ISPI DILA KASTURI. 2026. **Pengaruh Model Problem Based Learning (PBL) Terhadap Motivasi Belajar Dan Kemampuan Berpikir Kritis Peserta Didik Pada Materi Sistem Gerak Manusia Studi Eksperimen di Kelas XI MIPA SMA Negeri 5 Tasikmalaya Tahun Ajaran 2023/2024).** Skripsi Jurusan Pendidikan Biologi. Fakultas Keguruan dan Ilmu Pendidikan Universitas Siliwangi, Tasikmalaya.

Penelitian ini bertujuan untuk mengetahui pengaruh model pembelajaran *Problem Based Learning* (PBL) terhadap motivasi belajar dan kemampuan berpikir kritis peserta didik pada materi sistem gerak manusia di kelas XI MIPA SMAN 5 Tasikmalaya tahun ajaran 2023/2024. Metode penelitian yang digunakan adalah *quasi experiment* dengan desain penelitian *the matching-only posttest-only control group design*. Populasi dalam penelitian ini yaitu seluruh kelas XI MIPA SMAN 5 Tasikmalaya berjumlah 249 peserta didik. Sampel yang digunakan dalam penelitian ini yaitu kelas XI MIPA 4 sebagai kelas eksperimen dan XI MIPA 7 sebagai kelas kontrol. Teknik pengambilan sampel menggunakan teknik *purposive sampling*. Teknik pengumpulan data motivasi belajar yaitu berupa angket dan lembar observasi sebanyak 18 pernyataan dan test kemampuan berpikir kritis sebanyak 23 soal uraian. Teknik analisis data yang digunakan yaitu uji ANOVA. Hasil uji hipotesis menunjukkan motivasi belajar kelas eksperimen dan kelas kontrol memperoleh nilai signifikansi $0,000 < 0,05$, serta kemampuan berpikir kritis di kelas eksperimen dan kelas kontrol memperoleh nilai signifikansi $0,000 < 0,05$, menunjukkan bahwa H_0 ditolak dan H_a diterima. Sehingga model *problem based learning* (PBL) berpengaruh secara signifikan terhadap motivasi belajar dan kemampuan berpikir kritis peserta didik. Dengan demikian dapat disimpulkan bahwa *Problem Based Learning* (PBL) berpengaruh baik terhadap motivasi belajar dan kemampuan berpikir kritis peserta didik pada materi sistem gerak manusia di kelas XI MIPA SMAN 5 Tasikmalaya tahun ajaran 2023/2024.

Kata Kunci: Motivasi Belajar, Kemampuan Berpikir Kritis, Model Pembelajaran, *Problem Based Learning* (PBL).

ABSTRACT

ISPI DILA KASTURI. 2026. *The Effect of Problem Based Learning (PBL) of Model on Students' Learning Motivation and Critical Thinking Skills on Human Musculoskeletal System.* (Experimental Study in Class XI MIPA SMA Negeri 5 Tasikmalaya Academic Year 2023/2024). Thesis 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 (PBL) learning model on students' learning motivation and critical thinking skills on the human musculoskeletal system in class XI MIPA SMAN 5 Tasikmalaya in the 2023/2024 academic year. The research method used was a quasi-experimental study with the matching-only posttest-only control group design. The population in this study was all 249 students from class XI MIPA of SMAN 5 Tasikmalaya. The sample used in this study was class XI MIPA 4 as the experimental class and class XI MIPA 7 as the control class.. The sampling technique used purposive sampling. The data collection technique for learning motivation was a questionnaire and observation sheet containing 18 statements and a critical thinking ability test containing 23 descriptive questions.. The data analysis technique used was the ANOVA test. The results of the hypothesis test showed that the learning motivation of the experimental and control classes achieved a significance value of $0.000 < 0.05$. and critical thinking skills in the experimental and control classes obtained a significance value of $0.000 < 0.05$, indicating that H_0 was rejected and H_a was accepted. Thus, the problem-based learning (PBL) model significantly influenced students' learning motivation and critical thinking skills. Thus, it can be concluded that Problem Based Learning (PBL) has a good effect on students' learning motivation and critical thinking skills on the human musculoskeletal system material in class XI MIPA SMAN 5 Tasikmalaya in the 2023/2024 academic year.

Keywords: *Learning Motivation, Critical Thinking Skills, Learning Model, Problem Based Learning (PBL).*