

## ABSTRAK

ULFI AZMI YUDIANSHARI, 2025. **Model Influence Problem Based Learning assisted Liveworksheets on Students' Problem Solving Abilities in the Motion system Material. Department of Biology Education. Faculty of Teacher Training and Education. Siliwangi University.**  
Tasikmalaya

---

*This study aims to determine the influence of the model Problem Based Learning assisted Liveworksheets on students' problem solving abilities in the material of motion systems (experimental study of class XI of SMA Negeri 1 Cikatomas in the 2024/2025 academic year). The population in this study was all class XI with a total of 12 classes and 405 students. The sample was taken using the technique purposive sampling regularly non-probability namely class XI-3 as an experimental class consisting of 35 students and class XI-5 as a control class consisting of 35 students. Data collection was carried out using a problem solving ability instrument consisting of 5 questions. The data analysis technique used was the t-test. Based on the hypothesis testing, it was found that the model Problem Based Learning assisted Liveworksheets significant effect of 0.000 or significance value  $< 0.05$  on students' problem solving ability. In the research results, the experimental class had a higher average score compared to the control class in problem solving ability. So it can be concluded that by applying the model Problem Based Learning assisted Liveworksheets students' problem solving abilities are better.*

**Keywords:** *Problem Based Learning, Liveworksheets, Problem Solving Skills*