

ABSTRAK

Suriyanti Jumbati 2025. “Penerapan Model *Problem Based Learning* (PBL) Untuk Mengatasi Kesulitan Siswa Dalam Menyelesaikan Soal Relasi Berbasis *Hots*” Di Bawah Bimbingan **Nurma Angkotasan, S.Pd., M.Pd. dan Dr. Hery Suharna., S.Pd. M.Sc. M.Pd.**

Penelitian ini bertujuan untuk mengetahui (1) Kesulitan siswa Dalam Menyelesaikan soal relasi Berbasis *Hots*, (2) Model Pembelajaran *problem based learning* dapat mengatasi kesulitan siswa Dalam Menyelesaikan soal relasi Berbasis *Hots*. Penelitian ini menggunakan jenis penelitian *pre-eksperimental design*. Adapun jenis penelitian *one group pretest-posttest design*. Sampel dalam penelitian ini adalah siswa kelas VIII-B SMP Negeri 7 Kota Ternate. Hasil penelitian ini menunjukkan (1) Kesulitan siswa dalam menyelesaikan soal relasi berbasis *hots* sebelum diterapkan model *problem based learning* menunjukan bahwa pada indikator menghubungkan sebanyak 20 siswa (100%), indikator menguraikan 19 siswa (95%), dan indikator menyimpulkan 20 siswa (100%) masih mengalami kesulitan dalam Menyelesaikan soal relasi Berbasis *Hots* (2) Model Pembelajaran *problem based learning* dapat mengatasi kesulitan siswa dalam menyelesaikan soal relasi berbasis *hots* dapat dilihat pada indikator menghubungkan sebanyak 11 siswa (55%), indikator menguraikan sebanyak 10 siswa (50%), dan indikator menyimpulkan sebanyak 17 siswa (85%) memperoleh nilai rata-rata 68,88. Pengujian hipotesis pada penelitian ini menunjukkan bahwa nilai signifikansi untuk mengatasi kesulitan siswa $0,001 < 0,05$ maka hipotesis diterima yang artinya bahwa penerapan model *problem based learning* untuk mengatasi kesulitan siswa dalam menyelesaikan soal relasi berbasis *hots*.

Kata kunci: *Problem based learning*, Mengatasi Kesulitan siswa, Berbasis *Hots*

ABSTRACT

Suriyanti Jumbati 2025. "Application of the *Problem Based Learning* (PBL) Model to Overcome Students' Difficulties in Solving Hots-Based Relationship Problems" Under the Guidance of **Nurma Angkotasana, S.Pd., M.Pd. and Dr. Hery Suharna., S.Pd. M.Sc. M.Pd.**

This research aims to determine (1) students' difficulties in solving hot-based relationship problems, (2) the problem based learning model can overcome students' difficulties in solving hot-based relationship problems. This research uses a pre-experimental design type of research. The type of research is one group pretest-posttest design. The sample in this research were students in class VIII-B of SMP Negeri 7 Ternate City. The results of this research show (1) Students' difficulties in solving hots-based relationship problems before the problem based learning model was applied. It shows that in the connecting indicators 20 students (100%), the indicators describe 19 students (95%), and the indicators conclude that 20 students (100%) still experience difficulties in solving Hots-based relationship questions (2) The problem based learning learning model can overcome students' difficulties in solving hots-based relationship questions. This can be seen in the connecting indicators of 11 students (55%), the indicators describing 10 students. (50%), and the indicators concluded that 17 students (85%) obtained an average score of 68.88. Hypothesis testing in this study shows that the significance value for overcoming student difficulties is $0.001 < \alpha = 0.05$, so the hypothesis is accepted, which means that the application of the problem based learning model is to overcome student difficulties in solving hots-based relationship problems.

Keywords: *Problem based learning*, Overcoming student difficulties, *Hots based*