

ABSTRAK

Lase, Intan Yulistin. 2025, Perbedaan Kemampuan Berpikir Kritis yang diajar Menggunakan Model *Problem Based Learning* dan *Discovery Learning* Siswa Kelas VII di SMP Negeri 2 Hiliduho, Pembimbing Drs. Desman Telaumbanua, M,Pd.

Kemampuan berpikir kritis merupakan salah satu tuntutan era globalisasi (abad - 21) demi menghadapi tantangan zaman yang semakin berkembang, namun kenyataannya kemampuan berpikir kritis masih belum optimal. Penelitian ini bertujuan untuk (1) Menghitung rata-rata nilai kelas *Problem Based Learning* (2) menghitung rata-rata nilai kelas *Discovery Learning* (3) Membuktikan apakah terdapat perbedaan yang signifikan kemampuan berpikir kritis siswa menggunakan model pembelajaran *Problem based learning* dan *Discovery learning*. Jenis penelitian ini yang digunakan adalah *Quasi experimental design* dengan desain penelitian adalah *Posstest-only Control Group design*, pada penelitian ini terbagi menjadi dua kelompok eksperimen yaitu X_1 (*Problem Based Learning*) dan X_2 (*Discovery Learning*). Subjek penelitian ini yaitu siswa kelas VII di SMP Negeri 2 Hiliduho. Instrumen penelitian yang digunakan adalah Tes kemampuan berpikir kritis adaptasi dari *California Critical Thinking Skills Test* (CCST), yang telah di uji validitas, reliabilitas, tingkat kesukaran dan daya pembeda dengan bantuan perangkat lunak SPSS Versi 2030. Setelah penerapan model pembelajaran *Problem based learning* maupun *Discovery learning* diketahui bahwa rata-rata nilai kelas yang diajar menggunakan model *problem based learning* sebesar sebesar 83,00, dan rata-rata nilai menggunakan model pembelajaran *Discovery Learning* sebesar 76,08 dan berdasarkan uji hipotesis menggunakan uji *Independent Samples T-test* menunjukkan bahwa nilai (2-tailed) P yaitu $< 0,01$, yang artinya $P < 0,05$, hal ini menunjukkan bahwa hipotesis (H_0) ditolak, sehingga dapat disimpulkan bahwa secara statistik terdapat perbedaan yang signifikan kemampuan berpikir kritis yang diajar dengan model pembelajaran *Problem based learning* dan *Discovery learning* siswa kelas VII di SMP Negeri 2 Hiliduho.

Kata kunci : Kemampuan berpikir kritis, *Problem based learning*, *Discovery learning*, pembelajaran IPA

ABSTRACT

Lase, Intan Yulistin. 2025, Differences in Critical Thinking Skills Taught Using Problem Based Learning and Discovery Learning Models for Grade VII Students at SMP Negeri 2 Hiliduho, Supervisor Drs. Desman Telaumbanua, M,Pd.

Critical thinking skills are one of the demands of the globalization era (21st century) in order to face the challenges of an increasingly developing era, but in reality critical thinking skills are still not optimal. This study aims to (1) Calculate the average value of the Problem Based Learning class (2) calculate the average value of the Discovery Learning class (3) Prove whether there is a significant difference in students' critical thinking skills using the Problem Based Learning and Discovery Learning learning models. This type of research used is Quasi-experimental design with Posttest-only Control Group design, in this study divided into two experimental groups namely X1 (Problem Based Learning) and X2 (Discovery Learning). The subjects of this study were grade VII students at SMP Negeri 2 Hiliduho. The research instrument used was a critical thinking ability test adapted from the California Critical Thinking Skills Test (CCTST), which has been tested for validity, reliability, level of difficulty and discriminatory power with the help of SPSS software version 2030. After the application of the Problem based learning and Discovery learning learning models, it is known that the average value of the class taught using the problem based learning model is 83.00, and the average value using the Discovery Learning learning model is 76.08 and based on the hypothesis test using the Independent Samples T-test, it shows that the value (2-tailed) P is <0.01, which means $P < 0.05$, this indicates that the hypothesis (H_0) is rejected, so it can be concluded that statistically there is a significant difference in critical thinking skills taught using the Problem based learning and Discovery learning learning models of class VII students at SMP Negeri 2 Hiliduho.

Keywords: *Critical thinking skills, Problem based learning, Discovery learning, Science learning*