**ABSTRAK**

**Perbedaan Peningkatan Kemampuan Pemahaman Konsep Matematis Siswa melalui Model Pembelajaran *Project Based Learning* dengan Model Pembelajaran *Problem Based Instruction* pada Materi**

**Bangun Datar Kelas VII SMP Swasta**

**Silindak T.P. 2020/2021**

**Oleh :**

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Penelitian ini bertujuan untuk mengetahui perbedaan peningkatan kemampuan pemahaman konsep matematis siswa melalui model pembelajaran *Project Based Leraning* dengan model pembelajaran *Problem Based Instruction.* Penelitian ini dilakukan terhadap siswa kelas VII SMP Swasta Silindak. Sampel ditetapkan dengan *purposive sampling.*

Metode yang digunakan dalam penelitian ini yaitu *quasi eksperimet* dengan melibatkan dua kelas yaitu kelas eksperimen I (VIIA) dan kelas eksperimen II (VIIB). Kedua kelas diberikan pretest, kemudian diberikan perlakuan dikelas eksperimen I dengan menggunakan model pembelajaran *Project Based Learning* sedangkan dikelas eksperimen II diberikan perlakuan dengan menggunakan model pembelajaran *Problem Based Instruction.* Setelah kedua kelas diberikan perlakuan maka diberikan posttest kepada kedua kelas. Hasil dari penelitian sebelum diberikan perlakuan maka kemampuan kedua kelas sama yaitu thitung< ttabel yaitu 1,43< 1,877 sedangkan setelah diberikan perlakuan maka thitung >ttabel yaitu 2,091> 1,877. Kesimpulan dalam penelitian ini menjelaskan bahwa terdapat perbedaan peningkatan kemampuan pemahaman konsep matematis siswa yang diajarkan dengan model pembelajaran *Project Based Learning* lebih baik daripada model pembelajaran *Problem Based Instruction.*

**Kata Kunci:** Model pembelajaran*Project Based Learning, Problem Based Instruction* dan pemahaman konsep.

**ABSTRACT**

***Differences in The Improvement of Students' Mathematical Concept Understanding Skills through Project Based Learning Model with***

***Problem Based Instruction Learning Model in Grade VII Private***

***Junior High School Flat Building Material Silindak***

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This study aims to find out the differences in the ability to understand mathematical concepts of students through the learning model Project Based Leraning with problem based instruction learning model. This research was conducted on grade VII students of Silindak Private Junior High School. The sample is set by purposive sampling.

The method used in this study is quasi eksperimet by involving two classes, namely experimental class I (VIIA) and experimental class II (VIIB). Both classes were given pretest, then given treatment in class experiment I using project based learning model while the second class experiment was given treatment using Problem Based Instruction learning model. After both classes are treated, posttests are given to both classes. The result of the study before being given treatment then the ability of both classes is the same thitung< ttabel is 1.43< 1.877 while after being given treatment thitung >ttabel is 2,091> 1,877. The conclusions in this study explain that there are differences in the ability to understand mathematical concepts of students taught with the Project Based Learning model better than the Problem Based Instruction learning model.

**Keywords**: Project Based Learning learning model, Problem Based Instruction and concept understanding.