

**PENGARUH MODEL PEMBELAJARAN *PROBLEM BASED LEARNING*  
BERBASIS PENILAIAN PORTOFOLIO TERHADAP KOMPETENSI  
PENGETAHUAN MATEMATIKA KELAS V SD NEGERI GUGUS  
MOH.HATTA TAHUN AJARAN 2019/2020**

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**ABSTRAK**

Tujuan dilakukannya penelitian ini adalah untuk mengetahui pengaruh yang signifikan model PBL berbasis penilaian portofolio terhadap kompetensi pengetahuan matematika kelas V SD. Jenis penelitian *quasi experiment*, desainnya *non equivalent control group*. Populasinya seluruh kelas V SD Negeri Gugus Moh.Hatta sebanyak 6 kelas, 242 siswa kemudian diambil dua sampel melalui *Random Sampling* untuk diberikan perlakuan, terpilih kelas V SD N 1 Panjer untuk kelas eksperimen sebanyak 40 orang menerapkan model PBL berbasis penilaian portofolio dan kelas V SD N 2 Panjer sebagai kelas kontrol sebanyak 39 orang dengan pembelajaran konvensional. Data dikumpulkan dengan metode tes jenis tes pilihan ganda 30 soal. Diperoleh rata – rata kelompok eksperimen  $\bar{X} = 81,18 > \bar{X} = 70,85$  rata – rata kelompok kontrol. Selanjutnya data diuji dengan *t-test polled varian*. Terbukti dari nilai  $t_{hitung} = 4,971 > t_{tabel} = 1,991$  pada  $dk = 77$  dan  $\alpha = 5\%$  yang artinya  $H_0$  ditolak dan  $H_a$  diterima, maka ada perbedaan signifikan terhadap kedua kelompok sampel. Kesimpulannya penerapan model PBL berbasis penilaian portofolio memberi pengaruh terhadap kompetensi pengetahuan Matematika kelas V SD Negeri Gugus Moh.Hatta tahun ajaran 2019/2020.

Kata kunci : Model PBL, Penilaian Portofolio, Kompetensi Pengetahuan Matematika.

## ABSTRACT

*The purpose of this research was to determine the significant effect of PBL model based on portfolio assessment on mathematical knowledge competence of classes V elementary. The type of the research was quasi experiment with non equivalent control group design. The population were all classes V elementary school Gugus Moh.Hatta in 6 classes with 242 student, then taken two samples through Random Sampling to be given treatment, selected class V SD N 1 Panjer for the experimental class as many as 40 people apply PBL models based on portfolio assessment and class V SD N 2 Panjer as a control class of 39 people with conventional learning. Data were collected by method test multiple choice type as many as 30 questions. Mean of experiment class was 81.18 > mean of control class was 70.85. Then, data was analyzed by t-test pooled varians. It evidenced by  $t_{count} = 4.971 > t_{table} = 1.991$  with  $df = 77$  and  $\alpha 55$ . It means  $H_0$  was rejected and  $H_a$  was accepted, so there was significant difference in competence mathematical knowledge between two sample groups. It conclude was the implementation of PBL model based on portfolio assessment give an influence on mathematical knowledge competence of classes V elementary school Gugus Moh.Hatta in Academic Year 2019/2020.*

*Keywords : PBL model, Portfolio Assessment, Mathematical Knowledge Competence.*

