

## ABSTRAK

Maulina Zaidatul Ma'rifah. 2018. Penerapan Model pembelajaran Kooperatif Learning Tipe Visual Auditory Kinestetik Berbantu Psymath Terhadap Keaktifan Siswa dan Pemahaman Konsep Matematika Kelas V. Fakultas Keguruan dan Ilmu Pendidikan, Universitas Islam Sultan Agung Semarang. Pembimbing I: Rida Fironika K, S.Pd.,M.Pd., Pembimbing II: Nuhyal Ulia S.Pd.,M.Pd.

Penelitian ini bertujuan untuk mengetahui pengaruh dalam Penerapan Model Pembelajaran Kooperatif Learning Tipe *Visual Auditory Kinestetik* Berbantu Psymath Terhadap Keaktifan Siswa dan Pemahaman Konsep Matematika Kelas V. Hasil analisis data adiperoleh kesimpulan bahwa: (1) Keaktifan siswa menggunakan model Pembelajaran *Kooperatif Learning* Tipe *Visual Auditory Kinestetik* Berbantu Psymath mempengaruhi nilai pemahaman konsep matematika. Dihasilkan nilai koefisien ( $R$ ) = 0,825 dengan koefisien determinasi ( $R$  Square) = 0,681 = 68,1%. Sedangkan nilai koefisien korelasi ditunjukkan uji ANOVA yang menghasilkan pengujian  $F_{hitung} = 40,58$  dengan nilai  $sig=0,000$ . Kriteria pengujiannya adalah jika nilai  $sig < \alpha$  maka koefisien korelasi tersebut signifikan. Karena nilai  $sig = 0,000 < \alpha = 0,05$  maka koefisien korelasi untuk persoalan diatas signifikan dengan besar pengaruh 68,1%. (2) Kemampuan pemahaman konsep matematika dengan menggunakan model *Visual Auditory Kinestetik* dapat memenuhi KKM. Menggunakan uji t, dengan kriteria pengujian yang nilai Asymp (2-tailed)=0,000 <  $\alpha$  maka  $H_a$  ditolak. Karena nilai nilai Asymp (2-tailed)= 0,000 < 0,05 maka  $H_o$  di terima.

**Kata Kunci:** Model pembelajaran kooperatif learning tipe *Visual Auditory kinestetik*, Psymath, keaktifan siswa, pemahaman konsep matematika.

## **ABSTRACT**

Maulina Zaidatul Ma' rifah. 2018. *Application of Learning Model Cooperative Learning Visual Type Auditory Kinestetik Help Psymath Against Student Activity and Understanding Concept of Mathematics Class V. Faculty of Teacher Training and Education, Islamic University of Sultan Agung Semarang. Advisor I: Rida Fironika K, S.Pd., M.Pd., Supervisor II: Nuhyal Ulia S.Pd., M.Pd.*

*This study aims to determine the influence in the Application of Cooperative Learning Learning Model of Visual Auditory Kinestetik Assisted Psymath Against Student Activity and Understanding Concept of Mathematics Class V. The results of the analysis of adiperoleh data by the conclusion that: (1) Student Activity using Learning Cooperative Learning Model Visual Auditory Kinestetik Help Psymath affects the value of understanding mathematical concepts. Resulted coefficient value (R) = 0,825 with coefficient of determination (R Square) = 0,681 = 68,1%. While the value of correlation coefficient indicated ANOVA test resulted test Fcount = 40,58 with value of sig = 0,000. Criteria penggujiannya is if the value sig <  $\alpha$  then the correlation coefficient is significant. Because the value sig = 0.000 <  $\alpha$  = 0.05 then the correlation coefficient for the above problem is significant with the influence of 68.1%. (2) The ability to comprehend the concept of mathematics by using the Visual Auditory Kinesthetic model can fulfill the KKM. Using t test, with test criteria that Asymp value (2-tailed) = 0,000 <  $\alpha$  then  $H_a$  is rejected. Since the value of Asymp (2-tailed) = 0,000 < 0,05 then  $H_o$  is received.*

**Keywords:** *Cooperative learning model of learning kinestetik Visual Auditory type, Psymath, student activeness, understanding of mathematical concepts.*