

**PENERAPAN MODEL PEMBELAJARAN KOOPERATIF  
TIPE THINK PAIR SQUARE (TPSQ) BERBANTUAN  
MULTIMEDIA UNTUK MENINGKATKAN KEMAMPUAN  
PEMECAHAN MASALAH SISWA PADA MATA  
PELAJARAN KKPI**

**ABSTRAK**

*Penelitian ini bertujuan untuk: 1) Mengetahui bagaimana mengembangkan multimedia pembelajaran yang akan digunakan pada proses pembelajaran kooperatif tipe Think Pair Square (TPSq); 2) Mengidentifikasi apakah terdapat perbedaan rerata nilai antara siswa yang mendapatkan penerapan model kooperatif tipe Think Pair Square (TPSq) berbantuan multimedia dibandingkan dengan siswa yang mendapatkan pembelajaran secara konvensional; 3) Mengetahui respon siswa terhadap kegiatan pembelajaran dengan menggunakan model pembelajaran kooperatif tipe Think Pair Square (TPSq). Metode yang digunakan dalam penelitian ini adalah metode Kuasi Eksperimen dengan desain penelitian Nonequivalent Control Group Design, sampel yang digunakan adalah kelas X RPL B dan kelas X RPL D SMK Negeri 1 Lemahsugih. Mata pelajaran yang dipilih adalah KKPI dengan materi Microsoft Excel. Dari hasil pengujian hipotesis menunjukkan bahwa siswa yang pembelajarannya menggunakan model Think Pair Square (TPSq) memiliki peningkatan kemampuan pemecahan masalah lebih baik daripada siswa yang mendapat pembelajaran secara konvensional serta respon siswa terhadap penerapan model pembelajaran kooperatif tipe Think Pair Square (TPSq) menunjukkan respon yang positif. Pada pengujian gain didapat rerata normalized gain pada kelas eksperimen sebesar 0,58 dengan kategori sedang dan kelas kontrol 0,39 dengan kategori sedang. Dari hasil rerata gain diperoleh bahwa kelas eksperimen memiliki rerata nilai lebih tinggi dibanding kelas kontrol.*

**Kata Kunci :** Model Pembelajaran Kooperatif, Tipe TPSq, Multimedia, Kemampuan Pemecahan Masalah, Mata Pelajaran KKPI

# THINK PAIR SQUARE TYPE OF COOPERATIVE LEARNING MODEL APPLYING WITH MULTIMEDIA ASSISTED TO INCREASE IN STUDENTS' PROBLEM-SOLVING ABILITIES

## ABSTRACT

*The purpose of this study is to: 1) Knowing how to develop multimedia learning that will be used in the process of cooperative learning Think Pair Square (TPSq); 2) Identify whether there are differences in the mean scores between children who received the application model of cooperative Think Pair Square (TPSq) assisted multimedia compared to students who receive conventional learning; 3) Knowing the students' responses to the learning activities using cooperative learning model Think Pair Square (TPSq). The method which used in this research is Quasi Experimental with Nonequivalent Control Group Design. The sample of this research is students from X class RPL B and class X RPL D SMK Negeri 1 Lemahsugih. The chosen subjects is KKPI with microsoft excel material. From the results of hypothesis testing showed that students who received the application of cooperative learning Think Pair Square (TPSq) have improved their problem-solving abilities better than students who received conventional learning and the students' responses to the application of cooperative learning model Think Pair Square (TPSq) showed a positive responses . The average normalized gain in experiment class is 0,58 and in control class is 0,39 are obtained from gain examination. From the results obtained that the average gain of the experimental class had a mean score higher than the control class. The average gain result shows that experiment class has higher average score than average score in control class.*

*Keywords: Cooperative Learning Model, TPSq Type, Multimedia, Problem-Solving Abilities, KKPI Subjects*