**ABSTRAK**

**ANALISIS PEMBELAJARAN KOMPOSISI FUNGSI DAN FUNGSI INVERS MELALUI MODEL KOOPERATIF TIPE *NUMBERED***

 ***HEAD TOGETHER* BERBANTUAN**

**LKPD DI SMA**

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Tujuan penelitian ini adalah : 1) Menghasilkan LKPD untuk pembelajaran materi komposisi fungsi dan fungsi invers di SMA yang layak menurut validator. 2) Menghasilkan desain pembelajaran materi komposisi fungsi dan fungsi invers melalui model pembelajaran kooperatif tipe *Numbered Head Together* berbantuan LKPD di SMA. Subjek dari penelitian ini adalah validator yang terdiri dari 2 dosen ahli dan 3 guru matematika SMA. Adapun yang menjadi objek penelitian ini adalah: 1) Desain pembelajaran materi komposisi fungsi dan fungsi invers melalui model kooperatif tipe *Numbered Head Together* di SMA. 2) LKPD materi komposisi fungsi dan fungsi invers melalui model kooperatif tipe *Numbered Head Together* di SMA.

Analisis pembelajaran komposisi fungsi dan fungsi invers melalui model kooperatif tipe *Numbered Head Together* berbantuan LKPD di SMA. Berdasarkan hasil penelitian yang telah dilakukan maka kesimpulan yang dapat diuraikan dalam penelitian ini adalah: Kevalidan media pembelajaran LKPD pada materi Komposisi Fungsi dan Fungsi Invers berdasarkan penilaian dari validator mendapat nilai rata-rata 3,70 dengan kategori valid. Sedangkan hasil analisis kevalidan desain pembelajaran, berdasarkan penilaian validator mendapat nilai rata-rata 3,78 dengan kategori valid. Dengan demikian, hasil dari validasi LKPD dan desain pembelajaran oleh validator sesuai dengan kriteria kevalidan sehingga valid digunakan dan dikembangkan.

**Kata Kunci** : *Numbered Head Together* (NHT), LKPD, Komposisi Fungsi dan Fungsi Invers

***ABSTRACT***

***AN ANALYSIS OF THE COMPOSITION FUNCTIONS AND INVERS FUNCTIONS LEARNING THROUGH COOPERATIVE***

***MODELS TYPE NUMBERED HEAD TOGETHER***

***LKPD ASSISTED IN HIGH SCHOOL***

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*The objectives of this research were: 1) Producing student worksheet for learning material composition functions and inverse functions in high school which is feasible according to the validator. 2) Produce learning design materials composition functions and inverse functions through cooperative learning model type Numbered Head Together assisted by LKPD in SMA. The subject of this research was a validator consisting of 2 expert lecturers and 3 high school mathematics teachers. As for the objects of this research were: 1) The design of learning materials composition functions and inverse functions through the cooperative model type Numbered Head Together in SMA. 2) LKPD on composition functions and inverse functions through the cooperative model type Numbered Head Together in SMA.*

*The learning analysis of the composition functions and inverse functions through the cooperative model type Numbered Head Together assisted by LKPD in SMA. Based on the results of the research that had been carried out, the conclusions that could be described in this research were: The validity of the LKPD learning media on the Inverse Function and Composition Function material based on the evaluation of the validator gets an average value of 3.70 with the valid category. While the results of the validity of the learning design analysis, based on the validator's assessment, got an average value of 3.78 in the valid category. Thus, the results of the LKPD validation and the learning design by the validator match the validity criteria so that they were valid to be used and developed.*

***Keywords:*** *Numbered Head Together (NHT), LKPD, Composition Functions and Inverse Functions*