

ABSTRAK

Arif Wahyu Hidayat. K7115025. **PENERAPAN MODEL PEMBELAJARAN *MEANS ENDS ANALYSIS* (MEA) UNTUK MENINGKATKAN KETERAMPILAN PENALARAN BANGUN DATAR.** Skripsi, Surakarta : Fakultas Keguruan dan Ilmu Pendidikan Universitas Sebelas Maret Surakarta, Mei 2019

Tujuan penelitian ini untuk meningkatkan keterampilan penalaran bangun datar dengan menerapkan model pembelajaran *Means Ends Analysis* (MEA). Model pembelajaran *Means Ends Analysis* (MEA). Model pembelajaran *Means Ends Analysis* (MEA) dapat mengembangkan pemikiran reflektif, kritis, logis, sistematis, dan kreatif yang dibutuhkan dalam keterampilan penalaran. Keterampilan matematis ini perlu diintegrasikan dalam pembelajaran untuk menghadapi abad 21.

Penelitian ini berbentuk Penelitian Tindakan Kelas dengan tiga siklus. PTK yang dilaksanakan dalam penelitian ini terdiri dari empat tahap, yaitu: 1) perencanaan; 2) pelaksanaan; 3) observasi; 4) refleksi. Subjek penelitian ini adalah peserta didik kelas IV SD Negeri Serengan II No. 256 Surakarta tahun ajaran 2018/2019 yang berjumlah 32 peserta didik. Penelitian ini menggunakan teknik pengumpulan data berupa wawancara, observasi, tes dan dokumentasi dengan analisis data triangulasi teknik. Analisis data yang digunakan adalah model analisis interaktif Miles-Huberman.

Kondisi awal keterampilan penalaran kelas IV SD Negeri Serengan II No.256 Surakarta menunjukkan bahwa rerata sebesar 33,85 dan persentase ketuntasan klasikal sebesar 0%. Pada siklus pertama mengalami peningkatan ketuntasan klasikal 6,06% dengan rata-rata 38,05, persentase ketuntasan pembelajaran kedua sebesar 11,76% dan rata-rata 43,79. Penelitian dilanjutkan dengan siklus kedua dengan persentase ketuntasan 39,39% dan rata-rata 60,94, persentase ketuntasan pembelajaran kedua sebesar 50% dengan rata-rata 64,54. Penelitian dilanjutkan dengan siklus ketiga dengan persentase 76,67% dan rata-rata 77,78, pembelajaran kedua 82,35% dan rata-rata 79,58. Hasil tersebut menunjukkan bahwa penerapan model pembelajaran *Means Ends Analysis* (MEA) dapat meningkatkan keterampilan penalaran bangun datar.

Kata Kunci: keterampilan penalaran, model pembelajaran *Means Ends Analysis*, bangun datar, sekolah dasar

ABSTRACT

Arif Wahyu Hidayat. K7115025. ***THE APPLICATION OF MEANS ENDS ANALYSIS (MEA) LEARNING MODEL TO IMPROVE REASONING SKILLS OF PLANE FIGURE.*** Thesis. Surakarta: Teacher Training and Education Faculty of Sebelas Maret University, Mei 2019.

The purpose of this research is to improve the reasoning skills in the plan figure by applying Means Ends Analysis (MEA) learning model. Means Ends Analysis (MEA) learning model can develop reflective, critical, logical, systematic, and creative thinking of the students needed to reasoning skills. Mathematical reasoning needs to be integrated in learning deal with the 21st century.

This research is a Classroom Action Research with three cycles. Each cycle consists of four step of planning, action, observation, and reflection. The subjects of this research were students of IV class at SD Negeri Serengan II Surakarta in the 2018/2019 academic year, totalling 35 students. Data collection techniques are using interview, observations, tests and documentation. Data validity tests are using technique triangulation and source triangulation. Interactive model of Miles-Huberman was used to data analysis technique.

The initial condition of reasoning skills of IV class the average value class score of 33,85 with 0% in classical completeness. The first cycle began with the first learning resulting in increased 6,06% classical completeness with 38,05 of average, second learning was 11,76% and the average was 43,79. The study continued with second cycle with the percentage of achievement at first learning resulting in a percentage 39,39% with average 60,94, second learning was 50% with 64,54 average. The study continued with third cycle with the percentage was 76,67% and the average was 77,78, second learning was 82,35% and the average was 79,58. These result indicate that through Means Ends Analysis learning model can improve reasoning skills of plane figure.

Keyword: *reasoning skills, Means Ends Analysis learning model, plane figure, elementary school*