

ABSTRAK

Astri Eteke, 2024. Penerapan Model *Problem Based Learning* Dalam Meningkatkan Kemampuan Berpikir Reflektif Matematis Siswa Kelas X MA Alkhairaat Tolonuo (Halut) Pada Materi Suku Banyak **Nurma Angotasan, S.Pd. M.Pd. Dan Dr. H. In Hi. Abdullah, S.Pd., M.Si.**

Tujuan penelitian ini adalah untuk mengetahui: 1) Kemampuan berpikir reflektif matematis siswa sebelum dan sesudah diterapkan model *problem based learning* 2) Terdapat peningkatan kemampuan berpikir reflektif matematis siswa kelas X MA Alkhairaat tolouo (Halut), 3) Peningkatan kemampuan berpikir reflektif siswa X MA Alkhairaat tolouo (Halut) setelah diterapkan model *problem based learning* (PBL).

Populasi dalam penelitian ini adalah seluruh siswa kelas X MA Alkhairaat tolouo (Halut) yang berjumlah 20 siswa, jenis penelitian yang digunakan yaitu jenis penelitian kuantitatif. Instrumen yang digunakan dalam penelitian ini terdiri. Teknik tes berupa uraian yang terdiri dari 3 butir soal, dan analisis data yang digunakan adalah analisis deskriptif dan analisis inferensial yaitu tafsiran aspek metakognitif, dan gain ternormalisasi (N-Gain).

Kemampuan berpikir reflektif matematis siswa kelas X Mas Alkhairaat Tolonuo (Halut) sebelum diterapan model *problem based learning*, tes awal menunjukkan bahwa kategori sedang sebanyak 5 siswa dengan presentase 25% dan kategori rendah sebanyak 15 dengan presentase 75%. Setelah pembelajaran dengan penerapan model *Problem Based Learning*, kategori tinggi sebanyak 12 siswa dengan presentase 60% dan kategori sedang sebanyak 8 siswa dengan presentase 40%.

Terdapat peningkatan kemampuan berpikir reflektif matematis siswa setelah diterapkan model *Problem Based Learning* pada materi suku banyak.

Peningkatan kemampuan berpikir reflektif matematis siswa setelah diterapkan model *problem based learning* pada materi suku banyak dalam kategori sedang

Kata Kunci : Model *Problem Based Learning*, Kemampuan Berpikir Reflektif Matematis Siswa Materi Suku Banyak

ABSTRACT

Astri Eteke, 2024. Application Of The Problem Based Learning Model In Improving The Mathematical Reflective Thinking Ability Of Class X MA Alkhairaat Tolonuo (Halut) Students On Tribal Material Many Nurma Angotasan, S.Pd. M.Pd. Dan Dr. H. In Hi. Abdullah, S.Pd., M.Si.

The expected objectives of this research are to determine: 1) students' mathematical reflective thinking abilities before and after the problem based learning model is implemented 2) that there is an increase in mathematical reflective thinking abilities of class X MA Alkhairaat Tolonuo (Halut), 3) the increase in thinking abilities Reflective student X MA Alkhairaat Tolonuo (Halut) after applying the problem based learning (PBL) model. The population in this research were all class X MA Alkhairaat Tolonuo (Halut) students, totaling 20 students. The type of research used as quantitative research. The instruments used in this research consisted of. The test technique is in the form of a description consisting of 3 questions, and the data analysis used is descriptive analysis and inferential analysis, namely interpretation of metacognitive aspects and normalized gain (N-Gain). The mathematical reflective thinking ability of class After learning using the problem based learning model, there were 12 students in the high category with a percentage of 60% and in the medium category there were 8 students with a percentage of 40%. There is an increase in students' mathematical reflective thinking abilities after applying the problem based learning model to multi-dimensional material. Increased students' mathematical reflective thinking abilities after applying the problem based learning model to multi-ethnic material in the medium category

Keywords: Problem Based Learning Model, Students' Mathematical Reflective Thinking Ability on Multicultural Materials