

ABSTRAK

ZUHUR FARDANI. Analisis Kecerdasan Logis Matematis dan Kepercayaan Diri (*Self Confidence*) Siswa Dalam Pembelajaran Matematika Melalui Model *Problem Based Learning* (PBL). Tesis, Medan: Program Pascasarjana Universitas Negeri Medan, Mei 2021.

Penelitian ini bertujuan untuk menganalisis: (1) Kecerdasan logis matematis siswa-siswi setelah pelaksanaan model *problem based learning*; (2) Kepercayaan diri (*self confidence*) siswa-siswi setelah pelaksanaan *problem based learning*; dan (3) Kesulitan siswa dalam menyelesaikan tes kecerdasan logis matematis siswa setelah diterapkan model *problem based learning*. Penelitian ini merupakan penelitian kualitatif deskriptif. Subjek penelitian ini adalah siswa MAS Al-Washliyah Km.6 Medan Kelas XI-A yang berjumlah 30 orang, kemudian diangkat subjek wawancara berdasarkan kategori kecerdasan logis matematis dan pola jawaban yang dominan pada setiap kategori. Adapun hasil penelitian sebagai berikut: (1) Kecerdasan logis matematis siswa setelah diterapkan model *problem based learning* didapat bahwa dari 30 siswa terdapat 8 siswa yang memiliki kecerdasan logis matematis kategori tinggi, 12 siswa yang memiliki kategori sedang, dan 11 siswa yang memiliki kategori rendah. Untuk setiap indikator, siswa memiliki rata-rata penilaian indikator kemampuan berhitung yaitu kategori sedang; indikator bernalar dan berpikir logis yaitu kategori sedang; dan indikator memecahkan masalah yaitu kategori sedang. (2) Kepercayaan diri (*self confidence*) siswa setelah diterapkan model *problem based learning* didapat bahwa dari 30 siswa terdapat 6 siswa yang memiliki kepercayaan diri (*self confidence*) kategori tinggi, 20 siswa yang memiliki kategori sedang, dan 4 siswa yang memiliki kategori rendah. (3) Kesulitan siswa dalam menyelesaikan tes kecerdasan logis matematis siswa a) pada kategori tinggi dan sedang, siswa mengalami kesulitan pada indikator pemecahan masalah; b) pada kategori rendah, siswa mengalami kesulitan pada indikator konsep dan pemecahan masalah.

Kata Kunci: *Kecerdasan Logis Matematis, Kepercayaan Diri, Model Problem Based Learning*



ABSTRAK

ZUHUR FARDANI. *Analysis Of Student Mathematic Intelligence and Self Confidence In Mathematic Learning Through The Problem Based Learning Model.* Tesis, Medan: Program Pascasarjana Universitas Negeri Medan, Mei 2021.

This study aims to analyze: (1) Students' mathematical logical intelligence after implementing a problem-based learning model; (2) Students' self confidence after implementing a problem-based learning model; (3) Students' difficulties in completing students' mathematical logical intelligence tests after implementing a problem-based learning model. This research is a descriptive qualitative research. The subjects of this study were students of MAS Al-Washliyah Km.6 Medan Class XI-A, totaling 30 people, then the interview subjects were appointed based on the mathematical logical intelligence category and the dominant answer patterns in each category. The results of the study were as follows: (1) Students' mathematical logical intelligence after applying the problem-based learning model found that out of 30 students there were 8 students who had high category mathematical logical intelligence, 12 students had medium category, and 11 students had low category. For each indicator, students have an average assessment of the numeracy ability indicator, namely the moderate category; indicators of reasoning and logical thinking, namely the medium category; and indicators of solving problems, namely the medium category. (2) Students' self confidence after implementing a problem-based learning model found that out of 30 students there were 6 students who had high category self confidence, 20 students had medium category, and 4 students had low category (3) Students' difficulties in completing students' mathematical logical intelligence tests a) in the high and medium categories, students have difficulty in solve the problem category; b) in the low category, students have difficulty in the concept and solve the problem category.

Kata Kunci: *Intelligence Logis Mathematical, Self Confidence, Problem Based Learning Model*