**ABSTRAK**

**Izzati, Fisi Haqia 2024.** *Analisis Kesalahan Siswa Dalam Menyelesaikan Soal Grafik Fungsi Kuadrat Menggunakan Kriteria Watson Ditinjau Dari Self-Efficacy Matematis*. Skripsi. Jurusan Pendidikan Matematika Universitas Peradaban. Pembimbing, Eka Farida Fasha S. Si., M. Pd.

Penelitian ini bertujuan untuk mengetahui bagaimana analisis kesalahan siswa dalam menyelesaikan soal grafik fungsi kuadrat menggunakan kriteria Watson ditinjau dari *self-efficacy* matematis. Penelitian ini menggunakan metode kualitatif jenis deskriptif*.* Teknik pengumpulan datanya adalah observasi, wawancara, kuesioner (angket), dan dokumen. Teknik analisis data mengadopsi analisis data model Miles Huberman yaitu *data reduction, data display,* dan *conclusion drawing/verification*. Hasil penelitian menunjukan bahwa subjek dengan *self-efficacy* matematis berkategori baik melakukan kesalahan pada kriteria Watson id, shp, dan oc, serta subjek yakin dan mencoba meyakinkan diri terhadap kemampuan matematikanya saat mengerjakan soal. Kemudian subjek berkategori cukup baik melakukan kesalahan kriteria ip, id, shp, oc, dan o, serta subjek merasa ragu dengan kemampuan matematikanya saat mengerjakan soal. Kemudian subjek dengan kategori kurang melakukan kesalahan pada kriteria id, shp, dan oc, serta subjek seringkali merasa putus asa dan ragu dengan kemampuan matematikanya saat mengerjakan soal.

**Kata Kunci:** Grafik Fungsi Kuadrat; Kesalahan Siswa; Kriteria Watson; *Self-Efficacy* Matematis.

***ABSTRACT***

**Izzati, Fisi Haqia 2024**. *Analysis of Student Errors in Solving Problems on Graphs of Quadratic Functions Using Watson’s Criteria in View of Mathematical Self-Efficacy.* Thesis. *Department of Mathematics Education study program, Universitas Peradaban. Supervisor*, Eka Farida Fasha S. Si., M. Pd.

*This study aims to find out how to analyze student’s errors in solving quadratic function graph problems using Watson’s criteria in terms of mathematical self-efficacy. This research uses a descriptive qualitative method. Data collection techniques used in this research are observation, interviews, questionnaires, and document. The data analysis technique used in this research adopts the Miles Huberman model of data analysis, namely data reduction, data display, and conclusion drawing/verification. The research results showed that subjects with good mathematical self-efficacy error in the Watson’s id, shp, and oc criteria, and subjects were confident and tries to convince himself of his mathematical abilities when working on problems. Then the subjects categorized as good enough error in the ip, id, shp, oc, and o criteria, and the subjects felt doubtful about their mathematical abilities when working on the problem. Then subjects with less categories error on the id, shp, and oc criteria, and subjects often feel hopeless and doubtful about their mathematical abilities when working on problems.*

***Keywords:*** *Graphs of Quadratic Functions; Mathematical Self-Efficacy; Student Errors; Watson’s Criteria.*