

ABSTRAK

Qiftiyah, Rif'atul. 2022. *Analisis Kemampuan Berpikir Logis Matematis Siswa dalam Pemecahan Masalah Ditinjau dari Self Confidence di SMAN 1 Krian*. Skripsi. Program Studi Pendidikan Matematika. Fakultas Sains dan Teknologi. Universitas PGRI Adi Buana Surabaya. Dosen Pembimbing Annisa Dwi Sulistyanningtyas, S.Si., M.Si

Kata Kunci: Kemampuan Berpikir Logis, Self Confidence, kognitif, afektif, kontekstual

Ketika membicarakan kemampuan siswa Indonesia, salah satu referensi yang bisa dipakai adalah hasil survei PISA. Dalam survei menunjukkan hasil nilai rata-rata tes kemampuan dan pengetahuan di bidang matematika sebesar 371 di bawah nilai rata-rata sebesar 486. Dari hasil tersebut dapat dilihat bahwa perlu adanya penyesuaian dalam kemampuan kognitif, salah satunya kemampuan berpikir logis matematis. Selain aspek kognitif ada pula aspek afektif diantaranya ada *self confidence*. Peran *self confidence* di sini dapat memperkuat dorongan untuk mencapai sebuah keberhasilan memecahkan masalah.

Penelitian ini bertujuan untuk mengetahui kemampuan berpikir logis matematis siswa SMAN 1 Krian Kelas XI tahun ajar 2022/2023 dalam pemecahan masalah kontekstual jika ditinjau dari *self confidence* pada materi lingkaran. Metode penelitian yang digunakan pada penelitian adalah penelitian kualitatif. Instrumen yang digunakan antaranya tes kemampuan berpikir logis matematis, angket *self confidence*, aerta pedoman wawancara yang telah divalidasi.

Berdasarkan hasil yang telah ditemukan, profil kemampuan berpikir logis matematis ditinjau dari *self confidence* tinggi dapat memunculkan semua indikator kemampuan berpikir logis matematis yaitu klasifikasi, menghubungkan, tahap menghitung, serta tahap menarik kesimpulan. profil kemampuan berpikir logis matematis ditinjau dari *self confidence* sedang hanya mampu memunculkan 3 indikator dari 4 indikator kemampuan berpikir logis matematis. profil kemampuan berpikir logis matematis ditinjau dari *self confidence* rendah hanya mampu memunculkan 1 sampai 2 indikator dari 4 indikator.

ABSTRACT

Qiftiyah, Rif'atul. 2023. *Analysis of Students' Mathematical Logical Thinking Ability in Problem Solving in View of Self Confidence at SMAN 1 Krian*. Udergraduate Thesis. Mathematics Education Departement. Faculty of Science and Technology. PGRI Adi Buana University, Surabaya. Advisor: Annisa Dwi Sulistyaningtyas, S.Sc., M.Sc

Keywords: Logical Thinking Ability, Self Confidence, cognitive, affective, contextual

When discussing the abilities of Indonesian students, one of the references that can be used is the results of the PISA survey. The survey showed that the average test score for ability and knowledge in mathematics was 371 below the average score of 486. From these results it can be seen that adjustments are needed in cognitive abilities, one of which is the ability to think logically and mathematically. In addition to cognitive aspects, there are also affective aspects, including self-confidence. The role of self-confidence here can strengthen the drive to achieve success in solving problems.

This study aims to determine the ability to think logically mathematically in class XI SMAN 1 Krian students in the academic year 2022/2023 in solving contextual problems when viewed from self-confidence in the circle material. The research method used in this research is qualitative research. The instruments used included a test of the ability to think logically and mathematically, a self-confidence questionnaire, as well as a validated interview guide.

Based on the results that have been found, the profile of the ability to think logically mathematically in terms of high self-confidence can bring up all indicators of the ability to think logically mathematically, namely classification, connecting, calculating stages, and drawing conclusions. The profile of the ability to think logically mathematically in terms of moderate self-confidence is only able to bring up 3 out of 4 indicators of the ability to think logically and mathematically. The profile of the ability to think logically and mathematically in terms of low self-confidence is only able to bring up 1 to 2 indicators out of 4 indicators.