# ABSTRAK

**Murrena, Aurelia Evelin. 2022. Analisis Kemampuan Literasi Matematika dan Metakognisi Peserta Didik Kelas X MIPA 4 SMA Negeri 3 Klaten dalam Menyelesaikan Soal Model PISA. Skripsi. Program Studi Pendidikan Matematika, Jurusan Pendidikan Matematika dan Ilmu Pengetahuan Alam, Universitas Sanata Dharma, Yogyakarta.**

Literasi matematika dan metakognisi berperan dalam pemecahan masalah kehidupan sehari-hari. Tujuan dari penelitian ini adalah: (1) mendeskripsikan kemampuan literasi matematika, dan (2) mendeskripsikan kemampuan metakognisi peserta didik dalam menjawab pertanyaan pada soal model PISA.

Penelitian ini menggunakan jenis penelitian deskriptif. Pedoman wawancara dan soal literasi matematika menjadi instrumen pengumpulan data. Soal-soal literasi matematika adaptasi PISA yang digunakan dalam tes berkisar dari level 1 hingga level 6 dan total terdapat enam soal. Penelitian ini menggunakan teknik model Miles & Huberman untuk analisis data, yang meliputi (1) reduksi data, (2) penyajian data, dan (3) menarik kesimpulan. Enam peserta didik kelas X MIPA 4 SMA Negeri 3 Klaten berperan sebagai subjek penelitian, dengan dua dari masing-masing tiga tingkat kemampuan tinggi, sedang, dan rendah.

Hasil penelitian ini menunjukkan bahwa subjek S17, S33, dan S14 mampu mencapai kemampuan literasi matematika pada level 4. Sedangkan capaian kemampuan literasi matematika oleh subjek S9, S3, dan S11 berada pada level 3. Kemampuan metakognisi subjek dalam menyelesaikan soal model PISA juga bervariasi. Subjek S17, S33, S14, dan S9 berpotensi pada tahap *planning, monitoring,* dan *evaluating* dengan kemampuan metakognisi berada pada level *reflective use.* Subjek dengan kategori kemampuan rendah yaitu subjek S3 dan S11 berpotensi pada tahap *planning* dan *monitoring.* Kedua subjek mencapai kemampuan metakognisi pada level *semistrategic use.*

**Kata Kunci:** Kemampuan Literasi Matematika, Kemampuan Metakognisi, Soal PISA

# *ABSTRACT*

***Murrena, Aurelia Evelin. 2022. Analysis of Mathematical Literacy and Metacognition Ability of Class X MIPA 4 Students of SMA Negeri 3 Klaten in Solving PISA Models Problems. Undergraduate Thesis. Mathematics Education Study Program, Department of Mathematics and Natural Sciences Education, Faculty of Teacher Training and Education, Sanata Dharma University, Yogyakarta.***

*Mathematical literacy and metacognition play a role in solving everyday life problems. The aims of this study are: 1) to describe mathematical literacy ability, and (2) to describe the metacognition ability of students in answering questions at the PISA models.*

*This research uses descriptive research type. Interview guidelines and math literacy questions became data collection instruments. The PISA adaptation mathematical literacy questions used in the test range from level 1 to level 6 and there are a total of six questions. This study uses the Miles & Huberman model technique for data analysis, which includes (1) data reduction, (2) data presentation, and (3) draw conclusions. Six students of class X MIPA 4 SMA Negeri 3 Klaten acted as research subjects, with two of each of the three levels of high, medium, and low ability.*

*The results of this study showed that S17, S33, and S14 subjects were able to achieve mathematical literacy ability at level 4. Meanwhile, the achievement of mathematical literacy ability by S9, S3, and S11 subjects is at level 3. The subject's metacognition ability in solving PISA model problems also varies. Subjects S17, S33, S14, and S9 have the potential to be at the planning, monitoring, and evaluating stage with metacognition ability at the level of reflective use. Subjects with low capability categories, namely S3 and S11 subjects, have the potential to be at the planning and monitoring stage. Both subjects achieved metacognition ability at the level of semistrategic use.*

***Keywords**: Mathematical Literacy Ability, Metacognition Ability, PISA Problem*