ABSTRAK

ANALISIS KEMAMPUAN LITERASI SAINS SISWA KELAS X MIPA DI SMA NEGERI 1 SEYEGAN

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Literasi sains menjadi salah satu kemampuan yang penting dimiliki oleh siswa di era pendidikan abad 21. Literasi sains dapat diartikan sebagai kemampuan untuk terlibat dengan isu-isu yang berkaitan dengan sains. Berdasarkan hasil PISA 2018, literasi sains siswa di Indonesia termasuk kategori rendah. Penelitian ini bertujuan untuk menganalisis kemampuan literasi sains siswa kelas X MIPA di SMA Negeri 1 Seyegan. Informasi terkait literasi sains perlu diketahui agar digunakan sebagai referensi dalam mengembangkan pelaksanaan pembelajaran untuk meningkatkan kemampuan literasi sains. Penelitian ini merupakan penelitian deskriptif dengan metode survei. Populasi dalam penelitian ini adalah siswa kelas X MIPA di SMA Negeri 1 Seyegan. Pengambilan data dilakukan secara sensus pada 143 siswa. Instrumen yang digunakan adalah soal tes pilihan ganda yang dikembangkan berdasarkan *framework* PISA 2018 dan lembar pedoman wawancara. Teknik analisis data dilakukan dengan memberikan skor pada jawaban siswa, kemudian perolehan skor dihitung dalam bentuk persentase dan dikategorisasi. Aspek literasi sains yang dianalisis meliputi aspek kompetensi, pengetahuan, dan konteks. Hasil penelitian didapatkan bahwa kemampuan literasi sains siswa berada pada kategori sangat baik sebesar 9%, kategori baik sebesar 22%, kateogri cukup sebesar 34%, kategori kurang sebesar 11%, dan kategori kurang sekali 24%.

Kata kunci: Analisis, Literasi Sains, Siswa kelas X MIPA

ABSTRACT

ANALYSIS OF SCIENTIFIC LITERACY ABILITY OF TENTH GRADE SCIENCE STUDENTS AT SMA NEGERI 1 SEYEGAN

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Scientific literacy is one of the ability that is important to be have by students in the 21st century education era. Scientific literacy can be interpreted as the ability to engage with issues related to science. Based on the PISA 2018 results, students scientific literacy in Indonesia is in the low category. This research was aimed to analyze the scientific literacy ability of tenth grade students at SMA Negeri 1 Seyegan. Information related to scientific literacy needs to be known so that it is used as a reference in developing the implementation of learning to improve scientific literacy ability. This research is descriptive research with a survey method. The population in this study were students of tenth grade at SMA Ngeri 1 Seyegan. Data collection was carried out by census on 143 students. The instruments used were multiple choice test questions developed based on the PISA 2018 framework and interview guide sheets. The data analysis technique was carried out by giving a score to the student answer, then the score was calculated in the form of a percentage and categorized. The analyzed aspects of scientific literacy include aspects of competence, knowledge, and context. The results of the study showed that students scientific literacy ability were in the very good category at 9%, the good category at 22%, the moderate category at 34%, the less category at 11%, and the very less category at 24%.

Keyword: Analysis, Scientific literacy, Tenth grade student