

Abstrak

Ismi Titi Ivani Nababan, NIM 4181141012 (2018). Analisis Kemampuan Literasi Sains Siswa Kelas X SMA Negeri 6 Pematangsiantar.

Penelitian ini Untuk mengetahui kemampuan literasi sains siswa kelas X SMA Negeri 6 Pematangsiantar materi Invertebrata, profil pencapaian literasi sains siswa, kemampuan siswa dalam kompetensi menjelaskan fenomena secara ilmiah, merancang dan mengevaluasi penyelidikan secara ilmiah, menafsirkan data bukti secara ilmiah di literasi sains menurut PISA 2018 materi invertebrata. Penelitian dilaksanakan di SMA NEGERI 6 Pematangsiantar. Waktunya selama 2 bulan pada bulan Maret-Mei. Sampel sebanyak 142 orang siswa. Teknik pengambilan sampel dilakukan secara Purposive sampling. Jenis penelitian adalah penelitian deskriptif kuantitatif. Instrumen Penelitian menggunakan instrumen tes 3 aspek kompetensi literasi sains menurut PISA 2018 yakni, menjelaskan fenomena secara ilmiah, mengevaluasi dan merancang secara ilmiah, menafsirkan data dan bukti secara ilmiah. Persentase kemampuan literasi sains siswa aspek kompetensi kategori kurang sebesar 59,04%. Persentase kompetensi menjelaskan fenomena secara ilmiah tergolong dalam kategori cukup sebesar 60,56%. Persentase kompetensi merancang dan mengevaluasi penyelidikan ilmiah tergolong dalam kategori kurang sebesar 57,39%. Persentase kompetensi menafsirkan data dan bukti ilmiah tergolong dalam kategori kurang sebesar 50,70%. Profil kemampuan literasi sains persentase sebesar 43% dengan kategori literasi telah membudaya kemudian 48,60% kategori literasi telah berkembang dan 8,45% kategori literasi perlu dikembangkan.

Kata kunci : Invertebrata, literasi sains, profil pencapaian literasi sains.



Abstrak

Ismi Titi Ivani Nababan, NIM 4181141012 (2018). Analysis of Science Literacy Ability of Class X Students of SMA Negeri 6 Pematangsiantar.

This study finds out the scientific literacy ability of class X students of SMA Negeri 6 Pematangsiantar Invertebrate material, profiles of student scientific literacy competencies, students' abilities in explaining scientific phenomena, designing and investigating scientifically, interpreting scientific evidence data in scientific literacy according to PISA 2018 material. The research was carried out in SMA NEGERI 6 Pematangsiantar. The time is for 2 months in March-May. The sample was 142 students. The sampling technique was purposive sampling. This type of research is descriptive quantitative research. The Research Instrument uses a test instrument for 3 aspects of scientific literacy competence according to PISA 2018, namely, explaining phenomena scientifically, developing and applying scientifically, applying data and scientific evidence. The percentage of students' literacy skills in the category less competence is 59.04%. The percentage of competence to explain phenomena scientifically is in the sufficient category of 60.56%. The percentage of category searches and scientific research belonging to less than 57.39%. The percentage of examination of the category of data and scientific evidence is classified as less than 50.70%. The percentage of scientific literacy ability profile is 43% with the literacy category being entrenched, then 48.60% the literacy category has developed and 8.45% the literacy category that needs to be developed.

Keywords : Invertebrates, science literacy, profile of scientific literacy achievement.

