ABSTRAK

Mindo Lilis Hutabarat, **Analisis Literasi Sains Buku Biologi SMA Kelas X Semester I di Kota Medan.** Tesis. 2019. Program Studi Pendidikan Biologi Program Pascasarjana Universitas Negeri Medan (UNIMED)

Literasi sains siswa Indonesia masih tergolong rendah, dan buku teks yang baik dapat meningkatkan literasi sains siswa. Penelitian ini bertujuan untuk mengetahui tingkat literasi sains pada buku teks biologi kelas 10 sekolah menengah atas negeri (SMAN) di Medan. Literasi sains yang dianalisis dalam katerogi, 1) *the knowledge of science*, 2) *science as a way of thinking*, 3) *the investigative of science*, and 4) *interaction of science, technology, and society*. Subjek penelitian ini adalah buku teks biologi SMAN, yaitu buku terbitan Yrama Wydia, Grafindo, dan Quadra. Metode yang digunakan adalah metode deskriptif yaitu dengan cara menganalisis buku teks yang digunakan di SMAN 1, SMAN 3, dan SMAN 4 Medan. Data dianalisis dengan menggunakan statistik deskriptif. Hasil analisis data menunjukkan bahwa literasi sains paling tinggi pada kategori *the knowledge of science* terdapat pada buku terbitan Grafindo sebesar 60,71%; pada kategori *science as a way of thinking* terdapat pada buku terbitan Quadra sebesar 54,17%; pada kategori *the investigative of science* terdapat pada buku Yrama Widia dan Grafindo sebesar 55,95%; pada kategori *interaction of science, technology, and society* terdapat pada buku Quadra 54,17%. Serta secara keseluruhan buku yang memiliki literasi sains yang paling tinggi ialah buku terbitan Quadra sebesar 57,78% dengan kategori berliterasi baik.

Kata kunci: Analisis Sains, Buku teks, Literasi Sains

ABSTRACT

Mindo Lilis Hutabarat, **Analysis Scientific Literacy of Biology Textbooks for 10th Grade at Medan.** Thesis. 2019. Biology Education Studies Program Graduate Program, State University of Medan (UNIMED)

The scientific literacy of Indonesian students is still relatively low, and good textbooks can improve students' scientific literacy. This study aims to determine the level of scientific literacy in 10th grade biology textbooks in state high schools (SMAN) in Medan. Science literacy analyzed in science, 1) the knowledge of science, 2) science as a way of thinking, 3) the investigative of science, and 4) the interaction of science, technology, and society. The subject of this study is a high school biology textbook, namely a book published by Yrama Wydia, Grafindo, and Quadra. The method used is the descriptive method that is by analyzing textbooks used in SMAN 1, SMAN 3, and SMAN 4 Medan. Data were analyzed using descriptive statistics. The results of data analysis show that the highest scientific literacy in the knowledge of science category is found in Grafindo's published book of 60.71%; in the category of science as a way of thinking, it is found in the book Quadra published at 54.17%; in the investigative of science category found in the books Yrama Widia and Grafindo of 55.95%; in the interaction of science, technology, and society category, Quadra's book is 54.17%. As well as overall books that have the highest scientific literacy are books published by Quadra of 57.78% with good literacy categories.

Keywords: Analysis of Science, Textbooks Biology, Scientific Literacy