

ANALISIS POLA ARGUMEN TOULMIN BUKU AJAR KIMIA SMA/MA KELAS XII SEMESTER I KURIKULUM 2013

Oleh

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ABSTRAK

Tujuan penelitian ini yaitu mendeskripsikan dan menjelaskan pola argumen Toulmin, persentasenya, tingkat ketajaman argumennya dan argumen yang tidak logis pada buku ajar kimia SMA/MA Kelas XII Semester I Kurikulum 2013 dari salah satu penulis dan penerbit tertentu. Jenis penelitian ini adalah analisis dokumen dengan pendekatan kualitatif. Penelitian ini diawali dengan menentukan buku kimia kelas XII yang dianalisis dengan survei, dan dipilih buku kimia kelas XII yang paling banyak digunakan di sekolah. Metode pengumpulan data dalam penelitian ini menggunakan metode dokumentasi. Uji keabsahan data dilakukan dengan uji *credibility* dengan memperpanjang masa pengamatan, meningkatkan ketekunan dalam penelitian, triangulasi waktu dan triangulasi antar-peneliti. Hasil penelitian menunjukkan bahwa buku tersebut mengandung pola argumen Toulmin yang terdiri atas pola argumen dengan dua elemen (C-G dan G-C) sebanyak 65,91%, pola argumen dengan tiga elemen (C-W-G, C-G-W, W-G-C, W-C-G, G-C-W, G-W-C, C-G-R, dan Q-C-G) sebanyak 22,40%, pola argumen dengan empat elemen (B-G-W-C, Q-C-G-W, C-W-B-G, C-G-B-W, G-C-W-B, C-G-W-B, G-W-C-B, C-G-W-R, G-W-B-C, C-G-W-Q, C-W-G-B-, G-C-W-R, dan C-R-G-W) sebanyak 11,04%, dan pola argumen dengan lima elemen (C-W-G-B-Q dan G-Q-W-B-C) sebanyak 0,65%. Tingkat ketajaman elemen argumen Toulmin meliputi *claim*, *ground*, *warrant*, *backing*, *qualifier* dan *rebuttal* pada buku tersebut sebagian besar tergolong bagus dan sangat bagus menurut kriteria *I-Rubric*, dan tergolong tinggi dan sedang menurut kriteria TAP. Argumen yang terdapat pada Bab Reaksi Redoks dan Elektrokimia serta Bab Unsur-unsur Utama dalam Sistem Periodik Unsur memiliki banyak kekurangan dalam menjelaskan *claim*, sedangkan empat bab lainnya memiliki argumen yang sebagian besar sudah baik.

Kata kunci: Pola argumen Toulmin, buku kimia, tingkat ketajaman argumen, metode dokumentasi

**TOULMIN'S ARGUMENT PATTERN ANALYSIS OF HIGH SCHOOL
CHEMISTRY TEXTBOOK FOR CLASS XII ODD SEMESTER 2013
CURRICULUM**

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ABSTRACT

The purpose of this study is to describe and explain the pattern of Toulmin's argument, their percentage, the level of sharpness of the arguments and illogical arguments in the chemistry textbook of high school Class XII odd semester Curriculum 2013 from one particular author and publisher. This type of research is document analysis with a qualitative approach. This research was initiated by determining the chemistry textbooks for class XII which were analyzed by survey, and selecting the chemistry book for class XII which were the most widely used in schools. The method of data collection in this study used the documentation method. The validity of the data was tested with credibility test by extending the period of observation, increasing persistence in research, triangulation of time and triangulation between researchers. The results showed that the book contained a pattern of Toulmin's arguments consisting of argument patterns with two elements (C-G and G-C) as much as 65.91%, argument patterns with three elements (C-W-G, C-G-W, W-G-C, W-C-G, G-C-W, G-W-C, C-G-R, and Q-C-G) as many as 22.40 %, argument pattern with four elements (B-G-W-C, Q-C-G-W, C-W-B-G, C-G-B-W, G-C-W-B, C-G-W-B, G-W-C-B, C-G-W-R, G-W-B-C, C-G-W-Q, C-W-G-B, G-C-W-R, and C-R-G-W) as much as 11.04%, and argument pattern with five elements (C-W-G-B-Q) and G-Q-W-B-C) as much as 0.65%. The level of sharpness of the elements of Toulmin's argument including claim, ground, warrant, backing, qualifier and rebuttal in the book is mostly good and very good according to the I-Rubric criteria, and is classified as high and medium according to the TAP criteria. The arguments in the Chapters on Redox Reactions and Electrochemistry and the Chapters on Main Group Elements in the Periodic System of the Elements have many flaws in explaining the claims, while the other four chapters have arguments that are for the most part good.

Key words: *Toulmin's argument pattern, chemistry book, level of sharpness of argument, documentation method*