DEVELOPING POP-UP BOOK OF CHEMICAL HOUSEHOLD TOPIC FOR JUNIOR HIGH SCHOOL LEVEL

Ghery Priscylio, Rini Fadh Marsya, Latisma Latisma, Andromeda Andromeda

Abstract

This study aimed to develop pop up book on Chemical in Household topic. Method of the study used Research and Development by 4-D stages model: define, design, develop and disseminate. Validation sheet and practically questionnaire were the instrument to collect the data. The pop up book was validated by four experts, 2 lecturers from the Department of Chemistry, Faculty of Mathematics and Natural Sciences, Universitas Negeri Padang, 1 lecturer of FBS Fine Arts, Universitas Negeri Padang and 1 junior high school science teacher. The practicality of the instructional materials was carried out on 1 science teacher and 27 eighth grade students at SMP Negeri 21 Padang. The data obtained were analyzed by using Cohen Kappa Formula. The validity test of the Pop Up book obtained an average value of kappa 0.87 moment with a very high category and a practicality test for the book based on the results of data analysis from teachers’ and student questionnaires. The response of teachers’ questionnaires obtained a 0.89 kappa moment value with a very high practicability category. The response of students’ questionnaires got an average moment value of kappa 0.83 with a very high practicability category. The result also showed that the Pop Up book can increase students’ interest to learn and understand science lessons in junior high school level.

Keywords

pop up book; chemical in household topic; 4-D models; integrated science

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Phase Define: Pop-Up Book as A Media Learning Elementary School Student based Indigenous Science 1, 2, 3, 4 1 Local Wisdom Farmers Village Salt Jono. Amazon's K-12 Schools & Teaching bookstore features thousands of books for elementary, junior high, and high school teachers, including student workbooks, assessment manuals, and Common Core maps and teaching guides. Educators looking for school supplies can save time and money by outfitting their classrooms with colorful décor, and can fill their bookshelves with helpful workbooks and children's books for students in Kindergarten, 1st grade, 2nd grade, 3rd grade, 4th grade, middle school, and high school. Public, private, charter, and alternative school teachers can find tools for the Chemistry Books for High School Students. 1. High School Chemistry Review (Princeton Review Series) by Nilanjen Sen, Paperback: 192 pages, Publisher: Princeton Review If trudging through your textbook to study and complete homework assignments has become frustrating grind, then get ready for a smooth ride to higher test scores and outstanding grades with this book. It tells you straight, thoroughly explaining the important topics you'll need to understand to prepare for quizzes and tests, complete homework assignments effectively, and earn higher grades. This guide, covers: "Chemical Term Recommended reading book lists for Primary and Secondary school aged children, including fiction and non-fiction titles for all abilities. 20 pirate books for children interested in life on the high seas and primary schools looking for pirate books for cross curricular topics. Authors include James Davies, Cella Rees, Neil Gaiman, Lindsay Eagar, Derek Keilty, Cornelia Funke, and Philip Ardagh. Continue Reading.

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