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(ENVIRONMENTAL EDUCATION)

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READING BOOK/POLLUTION FROM STONE-MINING AND  
GRINDING INDUSTRIES

NADSINEE CHAIKAE0 : THE DEVELOPMENT AND ASSESSMENT OF A  
SUPPLEMENTARY READING BOOK ON POLLUTION FROM STONE-MINING AND  
GRINDING INDUSTRIES FOR THE SECONDARY SCHOOL STUDEN LEVEL 1.  
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SRISUPAN, M.Ed. 143 p. ISBN 974-665-101-3

The objectives of this research were to construct a supplementary reading book regarding pollution from stone-mining and grinding industries for the secondary school student level, and to study the achievement and satisfaction levels of the sampled students using this book.

The study was divided into three steps. Firstly, the book was constructed by setting concepts, objectives, units of study and format. Secondly, the tests were piloted three times with three students, ten students and thirty students, respectively. Thirdly, the quality of the book was evaluated using a pre-test and post-test by two samples groups in two schools. Sixty students in each school were randomly selected by the simple random sampling technique, and divided into two groups for the experiment. Data on the achievement and satisfaction of the supplementary reading book were collected and analyzed by computer. The statistics were analyzed using t-test.

The results indicated that after using the book, the experimental groups increased their knowledge significantly at level 0.05. Regarding the satisfaction aspect, the experimental groups were rated high in satisfaction with the book.

This research concluded that, this supplementary reading book was suitable for use in secondary school level 1, for increasing of the knowledge and awareness on the pollution problems from stone-mining and grinding industries.