

# LEVEL OF CREATIVE THINKING SKILLS OF HIGH SCHOOL CHEMISTRY TEACHERS IN YOGYAKARTA CITY

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## ABSTRACT

This research aims to determine the feasibility of a questionnaire and creative thinking skills questions to be used to measure the creative thinking skills of high school chemistry teachers in Yogyakarta City based on expert judgment, and determine the level of creative thinking skills of high school chemistry teachers in Yogyakarta City based on the results of filling out the questionnaire and the results. problem solving and creative thinking skills.

This research is a qualitative descriptive study using a survey method on the level of creative thinking skills of high school chemistry teachers in the city of Yogyakarta. The research population was 47 high school chemistry teachers in the city of Yogyakarta, while the research sample was 12 high school chemistry teachers from 11 state high schools, 12 high school chemistry teachers from 36 private high schools. The research instrument was a creative thinking skills questionnaire sheet with 25 statements and creative thinking skills questions in the form of 10 case study questions. which is explained in terms of 5 aspects of creative thinking skills, namely fluency of thinking, flexibility of thinking, elaboration, originality and sensitivity which are referred to from various sources and references. Before being applied to the sample, the questionnaire instrument was validated theoretically (content validity) by 3 expert lecturers from the Department of Chemistry Education, Physics Education, and Mathematics Education, while the case study question instrument was validated by 3 high school chemistry material experts, namely lecturers from the Department of Chemical Education. from the aspects of material, construction and language. The results of data collection from filling out questionnaires by 24 high school chemistry teachers were analyzed descriptively qualitatively, to obtain categories of levels of creative thinking skills, both for the group of public and private high school chemistry teachers and as a whole. Likewise, by completing 10 case study questions, the level of creative thinking skills of the sample can be determined based on the assessment rubric criteria that have been created.

The results of this research show that the questionnaire and questions on creative thinking skills were declared suitable for measuring the creative thinking skills of high school chemistry teachers in the city of Yogyakarta based on expert judgment, for the questionnaire through improvements according to expert input/suggestions, while for the questions it was shown from the Aiken index value in above 0.92 of each question item. The level of creative thinking skills of high school chemistry teachers in the city of Yogyakarta based on the results of the questionnaire shows an average total score of 4.05 (high category), while based on problem solving it shows an average total score of 3.06 (fair category).

Kata Kunci: *creative thinking skills, high school chemistry teacher, case study*