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#173 Summary

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Submission




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Title and Abstract

Title	A SURVEY ANALYSIS OF PRE-SERVICE CHEMISTRY TEACHERS' CRITICAL THINKING SKILLS
Abstract	This study aimed at analyzing the level of students' critical thinking skills as well as investigating the correlation between students' critical thinking skills and their grade level. A survey involving 220 pre-service chemistry teachers of Yogyakarta State University, Indonesia was conducted. The sample was taken using the

convenience sampling technique. The data were collected using a Critical Thinking Rubric (OHRCT) developed by Oliver-Hoyo (2003). The result of this study shows that (i) the average score of students' critical thinking skills was still considered low (13.95 ± 2.151), (ii) abstract and written presentation appeared as the components that obtained the highest and the lowest score respectively, (iii) significant difference was found between the score of students' critical thinking skills based on grade level in favour of junior students ($p=0.000$), and (iv) a moderate positive and linear correlation existed between the students' critical thinking skills and grade level ($r=0.442$, $p=0.000$). The findings indicate that the improvement in students' critical thinking skills has certain influences on the improvement of students' cognition and learning experience after attending courses in chemistry. Based on the result, several recommendations have been proposed to improve university students' critical thinking skills.

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#173 Review


[SUMMARY](#) **[REVIEW](#)** [EDITING](#)

Submission

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