

Review of: "Paulian Approach to Critical Thinking: Assessing an Intervention Program"

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Potential competing interests: No potential competing interests to declare.

Paul's approach to critical thinking is a very well known approach in the field of CT. The author had an experiment on teacher trainees with an intervention program. The aim of this research is to improve the external validity of the procedures and explore the practical consequences of the 'Critical Thinking Intervention Program' (CTIP). However, there are some serious issues with the manuscript.

METHODOLOGY: The procedures for selecting individuals or sample of the study is not clear. How data was collected?, how permissions were elicited? Data collection and data analysis procedures were written in bullet format point by point. However; we need to see detailed explanations like how data was analysed, which techniques were used to analyse the data and so on. Researcher, in the methodology section, mentioned that the research was carried out with a mixed method approach but which approaches specifically utilized were not explained in detail.

RESULTS: The results provided for each research question is very limited. Serial statistical techniques were conducted but I did not see any table or any statistical evidence to support the results reported in the manuscript.

In discussion, the authors need to provide more details regarding each discussion point. For example, What we have learnt from the results of this research? I feel like the sections of this manuscript abruptly appears without connoting to any findings of this research. Besides, neither in the previous sections nor in the discussion I noticed any citation supporting the findings and statements. In addition to all, I cannot understand, which statement belongs to author and which sentences are derived from literature once there is no in text citation throughout the manuscript.

This manuscript needs heavy refinements and corrections regarding the theoretical background.