



## HOW EFFECTIVE IS “CONCEPTUAL CHANGE APPROACH” IN TEACHING PHYSICS?

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### Abstract

Both at home and abroad, the majority of the studies carried out in teaching physics is about students' misconceptions and ways of overcoming this problem. This results from the fact misconceptions are the most significant factor that negatively contributes to students' academic success. It has recently been observed that most studies discuss the process of “Conceptual Change Approach” so as to eliminate the misconception problem and improve students' learning. The “Conceptual Change Approach”, whose aim is to deal with students' misconceptions regarding concepts, principles and phenomenologies in physics, embodies many strategies. This research presents some studies that have proven the effectiveness of conceptual change strategies in recovering students' misconceptions. This study, together with some suggestions, explains how it is possible to do so with “Conceptual Change Approach” in detail.

**Key Words:** misconception, conceptual change approach, teaching physics.