

## Validity of CAL Value Inventory in Predicting Achievement Goals

### Abstract

Achievement goal orientation has a huge influence on student's learning outcome. While past research showed that achievement goal orientation could be influenced by Big Five personality inventory, basic psychological needs, and Portrait Values Questionnaire (PVQ), we explored in this study whether values as measured by CAL Value Inventory (CVI), a locally developed value inventory, provided incremental validity in predicting the use of mastery and performance goal while controlling for all the previous measurements. A total of 169 participants took part in this study. Results showed that three CVI factors provided incremental validity in predicting mastery and performance goal on top of Big Five personality inventory, basic psychological needs, and PVQ. Specifically, prevention focus enhanced the use of mastery goal, freedom undermined the use of performance goal, and health & safety undermined the use of both mastery and performance goals. These results established that CVI was a useful assessment to understand achievement goal orientation. Our findings suggested that educators could create interventions based on relevant values to promote the use of optimal goal setting strategies.

**Keywords:** *achievement goals, values, CAL Value Inventory, prevention focus, freedom, health & safety*