

## Abstract

The interaction of cognition and emotion has long been investigated in psychology. This study explores how recognition correlates with strength and complexity of emotions. Apart from cognition-emotion interaction, it is noticed that the difference between recognition, identification and transportation are often ambiguous. Therefore, this study aims to differentiate these cognitive processes conceptually from the perspective of emotion intensity and complexity. 209 participants were asked to complete a questionnaire after viewing a 4-minute short film. The findings suggest that there is a positive correlation between emotion intensity and recognition. Emotion complexity is found to explain part of variance in recognition. Differences among recognition, transportation and identification are found. Spectators' enjoyment and past experience are also found to correlate with these cognitive operations.

*Keyword:* Recognition, identification, transportation, emotion, short films