

## **CORRELATION BETWEEN LOTS AND HOTS SCORES AMONG UUM STUDENTS**

**Mohammad Shah  
Kamarulzaman**  
Universiti Utara  
Malaysia, MALAYSIA

**Siti Nazuar Sailin**  
Universiti Utara  
Malaysia  
MALAYSIA

**Noor Aida Mahmor**  
Universiti Utara  
Malaysia  
MALAYSIA

**Ahmad Jelani Shaari**  
Universiti Utara  
Malaysia  
MALAYSIA

### **ABSTRACT**

Higher order of thinking skills (HOTS) and lower order of thinking skills (LOTS) have shown to be important goals in education. Many countries and learning institutions around the world have realised the importance of having workers who are both knowledgeable and have advanced thinking skills to increase the number and quality of innovations to compete globally. These two thinking skills are pivotal in improving the quality of one's education and life. General opinion from scholars and educationist tend to assume that HOTS is superior to LOTS by implementation and relevance. However, as much as HOTS is complex, its foundational elements and practices rely heavily on LOTS. This study seeks to analyse the correlation between LOTS and HOTS by carrying out an analytical measure between students. A number of 120 students from the Cognitive Science and Ethics course in UUM comprising of 82 female and 38 male students took part in the study. The data collected was analysed using the SPSS software, and the findings are discussed in relation to the positive correlation established between the two orders of thinking skills. The results of the study have shown that LOTS is important in providing a foundational platform for the application of HOTS.

**Keywords:** LOTS, HOTS, Correlation.