

Table 3. Correlations between critical thinking skills, creative, and time management

	Critical thinking	Creative thinking	Time management
Critical thinking	1,000	0,708**	0,921**
Creative thinking		1,000	0,744**
Time management			1,000

**) *significant at the 0, 01 level (2-tailed)*

There was a correlation between critical thinking skills, creative thinking, and student time management. These correlations are presented in Table 3. Based on Table 3, the three skills correlate with each other significantly. The highest correlation occurred between critical thinking skills and time management ($r = 0.921$) while creative thinking skills with time management were 0.744 and creative thinking skills with critical thinking were 0.708. Critical and creative thinking skills were including higher order thinking skills. Both of critical and creative thinking skills require mental operations such as induction, deduction, classification and rationalization [6]. The process of critical thinking involves interpreting activities, conducting analysis, evaluating, making conclusions, communicating, and self-regulation [4,7]. Creative thinking also involves mental activities including curiosity, generating a number of ideas, generating new ideas, and elaborating on new ideas that are more varied [3]. Based on the description, there was a mental dimension slice between critical thinking, creative thinking [11], and time management. Mental activities are closely related to efforts to consider the real conditions (each stage of the project) [8,9], the goals / targets that have been set, the allocation of time for project implementation, and the ability to complete the project itself [11]. The linkage of mental processes causes a positive correlation between higher order thinking skills (critical thinking and creative thinking) with time management skills.

4. Conclusion

The students worksheet that are developed using project based learning can enhance higher order thinking skills and time management in the medium and very high influence categories respectively. The student worksheet also has a high influence on improving student time management and improving time management is included in the high category. There was a correlation between higher order thinking skills and time management skills showing that there was a link between mental processes in the critical and creative thinking process with time management as students carry out the project stages.

5. References

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